

CATALOG



2024-25



Ethel May and

TRINITY VALLEY COMMUNITY COLLEGE
ATHENS KAUFMAN PALESTINE TERRELL WWW.TVCC.EDU

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GENERAL INFORMATION

The online College catalog provides the programs of study and course descriptions available through Trinity Valley Community College. It includes information about admission to the College, enrollment, degrees, certificates and academic policies. Although this catalog was prepared on the basis of the best information available at the time of publication, all information, including statements of tuition and fees, course offerings, and admission and graduation requirements, is subject to change without notice or obligation. This catalog does not constitute a contract between Trinity Valley Community College and the student.

Effective Catalog Date

The effective date of this catalog is the beginning of the 2024 fall semester. A student must graduate by August 31, 2029, to be eligible for graduation under the provisions of this catalog.

History

Henderson County Junior College was founded by a group of Athens civic leaders headed by J. P. Pickens, Orval Pirtle, and public school administrators in late 1945 and early 1946. The creation of Henderson County Junior College was formally approved by voters in the election of May 4, 1946. The first registration was conducted in temporary facilities at Athens High School on June 3, 1946, and three days later, classes began there. The board of trustees provided Henderson County Junior College with its own facilities at the present location of the Athens campus on June 24, 1946. The college moved to its new campus for the beginning of the fall semester, 1946.

Henderson County Junior College began its development into a multi-campus institution with the initiation of an off-campus instructional program at the Texas Department of Corrections, Coffield Unit, in the spring of 1969. Course offerings were subsequently expanded to the following correctional units: Beto I, Powledge Unit and the Michael Unit.

The campus in Palestine was established in 1972 and moved to its present facility three miles north of Palestine in 1975.

The Terrell campus was established in 1973 to serve the northern portion of what had become an enlarged Henderson County Junior College District. The present campus opened in the fall of 1986 with the addition of the M.L. Risinger LRC building in 2006.

In May of 1983, a new Health Science Center complex was completed in Kaufman for the purpose of providing various health occupation programs. The health occupation programs were moved to a new Health Science Center in Terrell in 2020.

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As a result of the continued regional expansion of the college, the board of trustees authorized and approved a name change from Henderson County Junior College to Trinity Valley Community College in September 1986.

Trinity Valley Community College has a proud heritage of service to the people within the region and is currently engaged in continuous growth and development toward the realization of its full potential in higher education.

Custodian of Records

The registrar is the custodian of all records for currently enrolled students and for all official academic records. The Vice President of Instruction/Chief Academic Officer is the custodian of academic status records.

Board of Trustees

Steve Grant, **President**, Athens - District 1

Bettye Mayfield, **Member**, Kaufman - District 2

Michael Hembree, **Vice President**, Athens - District 3

Dr. Clayton Gautreaux, **Member**, Seven Points - District 4

Ginger Morton, **Member**, Chandler - District 5

Dr. Charlie Risinger, **Member**, Terrell - District 6

Jerry Stone, **Member**, Malakoff - District 7

Ron Day, **Secretary**, Mabank - District 8

Dr. Terry Eason, **Member**, Kaufman - District 9

Additional TVCC Board of Trustees information is available on the TVCC webpage.

College Administration

Melinda Berry, M.A.

Associate Vice President, Student Advocacy/ADA Coordinator

Karla Bryan, Ed.

Director of Learning Resources

Tony Buford, A.A.S.

Director of Facilities and Building Services

Heath Cariker, MPA

Director of Campus Police and Public Safety

Holley Collier, Ed.D.

Associate Vice President of Instructional Innovation and Support

Alicia Coan, A.A.S.

Director of System Support Services

Tonya Richardson-Dean, M.A.

Director of Student Financial Aid and Veteran's Services

Tammy Denney

Vice President of Student Services

Janene Dotts, M.S.

Director of Human Resources

Joanna Fritz, M.S.

Director of Marketing and Communications

David Gibson, M.S.

Vice President of Information Technology and CIO

Stephanie Golem, B.A., CPA
Director of Accounting Services and Controller

Leon Hanson
Director of Transportation and Logistics

Audrey Hawkins, M.Ed.
Director of Student Life and Diversity

Vacant
Executive Director of the TVCC Foundation

Christie Hicks, M.S.
Director of Adult and Continuing Education

David Hopkins, B.S., CPA
Vice President of Administrative Services and CFO

Randall Vandertuin
Director of TDCJ Programs

Jennifer Johnston, MBA
Director of Small Business Development Center

Harold Jones, M.P.A.
Director of Housing/Dining/Judicial Officer

Mary Helen Kelm, M.Ed.
Associate Vice President of Dual Credit

Beth Ann Kidd, M.B.A.
Director of Bookstore Services

James King, A.A.
Director of Client Support Services

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Eddie Kite, M.Ed.

Director of Intercollegiate Athletics

Jason Morrison, Ed.D.

President

Myles Pennington II, MBA

Director of Media Support Services

Erica Richardson, M.S.

Associate Vice President of Academic Affairs

Courtney Skiles, M.S.

Director of Admission & Recruiting

Jason Smith, DNP

Associate Vice President, TVCC-Health Science Center

Spencer Wagley, Ed.D.

Vice President of Instruction

Richard Crosby, M.S.

Associate Vice President of Workforce Education

Vacant

Director of Strategic Planning, Effectiveness, and Accreditation

Caroline Whitaker, B.S., M.B.A

Registrar

Marcus McArthur

Vice President, Operations & External Relations

Division/Curriculum Chairpersons

Cade Allen, Ph.D.
Civics

Robert Brittain, M.S.
Business & Technology

Dana Curry, Ph.D.
Social Science

Michael Felty, Ph.D.
Career & Technology

Kristin Huggins, Ed.D.
Fine Arts and Kinesiology

John Placyk, Ph.D.
Science/AG

Amy Rogers, M.A.
English and Language Arts

Vacant
Accounting, Economics, and Mathematics

Suzzette Stringer,
Education and Public Services

Directory of Correspondence

All correspondence should be addressed to Trinity Valley Community College, 100 Cardinal Drive, Athens, Texas 75751 or call 903-677-TVCC, Toll-Free 1-866-882-2937 (TVCCYES) or TVCC website. Direct requests relating to the following areas to the appropriate office listed below:

- Instruction - Vice President of Instruction
 - 903-675-6231
- Academic Education - Associate Vice President of Academic Affairs
 - 903-675-6262
- Workforce Education - Associate Vice President of Workforce Education
 - 903-675-6266
- Adult, Continuing, and Workforce Education - Director of Adult, and Continuing Education
 - 903-675-6330
- Distance Learning - Learning Management System Administrator
 - 903-675-6286
- Housing - Director of Student Housing
 - 903-675-6256
- International Students - Assistant Registrar
 - 903-670-2648
- Advisement - Director of Student Pathways
 - 903-675-6204
- Testing - Director of Testing
 - 903-675-6386
- Admissions
 - 903-675-6217
- Registrar
 - 903-675-6293
- Business Services - Controller and Director of Accounting Services
 - 903-670-2688
- Financial Aid - Director of Financial Aid
 - 903-675-6387
- Information Technology - Help Desk
 - 903-675-6300
- Foundation, Development, and Alumni Relations - Executive Director of Institutional Advancement
 - 903-670-2664

- Institutional Effectiveness - Director of Strategic Planning, Effectiveness, and Accreditation
 - 903-675-6282
- Veteran Affairs - Veteran Affairs Officer
 - 903-670-6387
- Affirmative Action - Affirmative Action Officer
 - 903-675-6215
- Disabilities - ADA Compliance Coordinator
 - 903-675-6224
- Public Information - Public Information Officer
 - 903-670-2636
- Health Science Center Campus - Health Science Center Campus
 - 469-614-3800
- Palestine Campus - Palestine Campus Provost
 - 903-729-0256
- Terrell Campus - Terrell Campus Provost
 - 972-563-9573
- Correctional Education - Associate Vice President for TDCJ
 - 903-723-7008

Academic Calendar 2024-2025

Fall 2024

Fall 2024 08/26/24 – 12/10/24

Registration Starts	4/8
Registration Ends	8/23
Classes Begin	8/26
Drop/Add Period	8/26 – 8/27
Census	9/11
Withdrawal Deadline	11/2
Final Exams	12/04 – 12/10
Grades Due	12/11 at 10 AM
Commencement	12/13

Fall 8 week 1 08/26/24 – 10/15/24

Registration Starts	4/8
Registration Ends	8/23
Classes Begin	8/26
Drop/Add Period	8/26 – 8/27
Census	9/3
Withdrawal Deadline	9/27
Final Exams	10/14 – 10/15
Grades Due	10/16 at 10 AM

Fall 8 week 2 10/21/24 – 12/10/24

Registration Starts	4/8
Registration Ends	10/16
Classes Begin	10/21
Drop/Add Period	10/21 – 10/22
Census	10/28
Withdrawal Deadline	11/22
Final Exams	12/09 – 12/10
Grades Due	12/11 at 10 AM

Campus Closures

Labor Day	9/2
Fall Break	10/17 – 10/18
Thanksgiving	11/27 – 11/29

Housing / Campus Dining

Housing/Dining Opens	8/21
Dining Closed	11/27 – 12/01
Limited Housing Operations	11/27 – 12/01
Dining Closed	12/10 at 5 PM
Housing Closed at 5 PM (except graduates)	12/11

Financial Aid

Financial Aid Priority Deadline	7/1
TVCC Financial Aid priority deadline to have applications submitted to guarantee processing prior to the start of term. All application/missing documents received after this date will be process after the census for the term.	8/1

International Students

Application Deadline	7/1
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Scholarship Deadline

Application Deadline	6/1
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Graduation

Application Deadline	10/15
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Wintermester 2024

Wintermester 2024 12/16/24 – 1/09/25

Registration Starts	10/28
Registration Ends	12/13
Classes Begin	12/16
Drop/Add Period	12/16
Census	12/18
Withdrawal Deadline	1/7
Final Exams	1/08 – 1/09
Grades Due	1/10 at 10 AM

Campus Closures

Holiday Break	12/18 at 12 PM – 1/03
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Spring 2025

Spring 2025 01/21/25 – 05/14/25

Registration Starts	10/28
Registration Ends	1/17
Classes Begin	1/21
Drop/Add Period	1/21 – 1/22
Census	2/5
Withdrawal Deadline	4/25
Final Exams	5/08 – 5/14
Grades Due	5/15 at 10 AM
Commencement	5/16

Spring 8 week 1 .01/21/25 – 03/12/25

Registration Starts	10/28
Registration Ends	1/17
Classes Begin	1/21
Drop/Add Period	1/21 – 1/22
Census	1/28
Withdrawal Deadline	2/28
Final Exams	3/11 – 3/12
Grades Due	3/13 at 10 AM

Spring 8 week 2 03/24/25 – 05/14/25

Registration Starts	10/28
Registration Ends	3/14
Classes Begin	3/24
Drop/Add Period	3/24 – 3/25
Census	3/31
Withdrawal Deadline	4/25
Final Exams	5/13 – 5/14
Grades Due	5/15 at 10 AM

Campus Closures

MLK Day	1/20
Spring Break	3/17 – 3/21
Good Friday	4/18

Housing / Campus Dining

Housing/Dining Opens	1/15
Dining Closed	3/15 – 3/23
Housing Closed	3/15 – 3/23
Dining Closed	5/14 at 5 PM
Housing Closed at 5 PM (except graduates)	5/15

Financial Aid

Financial Aid Priority Deadline	11/01/24
TVCC Financial Aid priority deadline to have applications submitted to guarantee processing prior to the start of term. All application/missing documents received after this date will be process after the census for the term.	1/05/25

International Students

Application Deadline	11/01/24
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Scholarship Deadline

Application Deadline	11/01/24
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Graduation

Application Deadline	3/12
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Summer 2025

Summer 12 week 05/27/25 – 08/12/25

Registration Starts	4/7
Registration Ends	5/22
Classes Begin	5/27
Drop/Add Period	5/27 – 5/28
Census	6/16
Withdrawal Deadline	7/31
Final Exams	8/11 – 8/12
Grades Due	8/13 at 10 AM

Nursing Transition 05/21/25 – 08/06/25

Registration Starts	4/7
Registration Ends	5/20
Classes Begin	5/21
Drop/Add Period	5/21 – 5/22
Census	6/11
Withdrawal Deadline	7/24
Final Exams	8/05 – 8/06
Grades Due	8/7 at 10 AM

TDCJ Academic 05/21/25 – 08/12/25

Registration Starts	4/7
Registration Ends	5/20
Classes Begin	5/21
Drop/Add Period	5/21 – 5/22
Census	6/11
Withdrawal Deadline	7/31
Final Exams	8/11 – 8/12
Grades Due	8/13 at 10 AM

Summer 6 week 1 05/27/25 – 07/02/25

Registration Starts	4/7
Registration Ends	5/22
Classes Begin	5/27
Drop/Add Period	5/27 – 5/28
Census	6/2
Withdrawal Deadline	6/18
Final Exams	7/01 – 7/02
Grades Due	7/03 at 10 AM

Summer 10 week Cosmetology 05/27/25 – 07/30/25

Registration Starts	4/7
Registration Ends	5/22
Classes Begin	5/27
Drop/Add Period	5/27 – 5/28
Census	6/16
Withdrawal Deadline	7/10
Final Exams	7/29 – 7/30
Grades Due	7/31 at 10 AM

Summer 6 week 2 07/08/25 – 08/12/25

Registration Starts	4/7
Registration Ends	7/7
Classes Begin	7/8
Drop/Add Period	7/08 – 7/09
Census	7/14
Withdrawal Deadline	7/31
Final Exams	8/11 – 8/12
Grades Due	8/13 at 10 AM

Campus Closures

Memorial Day	5/26
Juneteenth	6/19
Independence Day	7/4
Friday Closures	5/23, 5/30, 6/6, 6/13, 6/20, 6/27, 7/11, 7/18, 7/25, 8/01, 8/08

Housing / Campus Dining

Housing/Dining Opens	5/21
Dining Closed	7/02 at 5 PM
Housing Closed	7/03 at 5 PM
Housing/Dining Opens	7/7
Dining Closed	8/12 at 5 PM
Housing Closed	8/13 at 5 PM

Financial Aid

Financial Aid Priority Deadline	4/1
TVCC Financial Aid priority deadline to have applications submitted to guarantee processing prior to the start of term. All application/missing documents received after this date will be process after the census for the term.	5/1

Flight School Orientation	
Orientation	7/7 7/26 8/22
Graduation	
Application Deadline	7/2

Faculty & Staff

Fall 2024	
Administration return to 5 day work week	8/12
Division Chairs Return	8/14
Faculty Return	8/19
Staff/Faculty Convocation	8/19
Learning Day	10/4
Spring 2025	
Administration Return	1/6
Division Chairs Return	1/8
Faculty Return	1/13
Staff/Faculty Convocation	1/13
Learning Day	3/7
Summer 2025	
Four day schedule begins	5/19
Five day schedule begins	8/11
Division Chairs Return	8/13
Faculty Return	8/18

Vision, Mission, Statement of Purpose, and Values

Vision

Trinity Valley Community College will be a leader in providing quality education, innovative programs, and purpose for our students, employees, and communities.

Mission

Transforming lives through affordable and accessible education.

Statement Of Purpose

The TVCC Statement of Purpose is determined in statute identified in the Texas Education Code, Section 130.003, which states that the charge of each public community college shall be to provide the following:

- Technical programs up to two years in length leading to an associate degree or certificates;
- Vocational programs leading directly to employment in semi-skilled or skilled occupations;
- Freshman and/or sophomore courses in arts and sciences;
- Continuing adult education programs for occupational or cultural upgrading;
- Compensatory education programs designed to fulfill the commitment of an admissions policy that allow the enrollment of disadvantaged students;
- A continuing program of counseling and guidance designed to assist students in achieving their individual educational goals;
- Workforce development programs designed to meet local and statewide needs;
- Adult literacy and other basic skills programs for adults; and
- Other purposes as may be prescribed by the Texas Higher Education Coordinating Board for post-secondary education in Texas.

TVCC Values

Trinity Valley Community College adopted “The Cardinal Way” as its service standards. The Cardinal Way is to be a leader and these are the actions of a leader.

Courageous

Accountable

Respectful

Driven

Inspirational

Networker

Authentic

Life-long learner

Campuses

Since its beginning, Trinity Valley Community College has been in a continuous state of growth and development to meet the needs of its ever-expanding program offerings. This development reflects the establishment of additional campuses in Anderson and Kaufman counties. The official designations of campuses are as follows:

- Athens Main Campus
- Kaufman Satellite Campus
- Palestine Satellite Campus
- Terrell Health Science Center
- Terrell Satellite Campus
- Texas Department of Criminal Justice (TDCJ) Satellite Campus

Campus Information

Athens Main Campus

100 Cardinal Drive

Athens, TX 75751

903-677-TVCC; Fax: 903-675-6316

TVCC-Kaufman Center

800 ED Hall Drive

Kaufman, TX 75142-1861

972-932-4309; Fax: 972-932-5751

Palestine Satellite Campus

2970 North Highway 19

Palestine, TX 75801-2380

903-723-7000; FAX: 903-723-7074

Terrell Health Science Center

1551 TX-34 South

Terrell, TX 75160

469-614-3800; Fax: 469-614-3847

Terrell Satellite Campus

1200 Interstate 20

Terrell, TX 75160-5300

972-563-9573; Fax: 972-563-4960

TDCJ Satellite Campus (Correctional Education Programs)

2970 North State Hwy. 19

Palestine, TX 75803

903-723-7008; Fax: 903-723-7071

Affirmative Action

Affirmative Action Equal Educational Opportunity

Recruitment, hiring, promotions, training, lay-offs, termination, rate of pay and other forms of compensation; the recruitment and admission of students; the availability of student loans, grants, and scholarships; the opportunity to participate in student activities; the provision of student services; the use of college housing; and the operation of any programs and activities shall be administered without regard to race, color, religion, sex (including pregnancy, gender identity, and sexual orientation), parental status, national origin, age, disability, genetic information (including family medical history), political affiliation, military service, or other non-merit based factors.

Trinity Valley Community College is an affirmative action/equal opportunity institution, which provides educational and employment opportunities on the basis of merit and without discrimination or harassment in full compliance with the Civil Rights Act of 1964, as amended; the Age Discrimination in Employment Act of 1967, as amended; the Rehabilitation Act of 1973 (Section 503, 504); Americans with Disabilities Act, as amended, Title IX of the Educational Amendments of 1972; the Vietnam Era Veterans Assistance Act of 1974; Article 5221k V.A.C.S.; and Executive Orders 11246 and 11758.

Trinity Valley Community College does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities. For questions or concerns regarding discrimination based on a disability, contact:

ADA/Section 504 Coordinator
100 Cardinal Drive
Athens, TX 75751
903-675-6224
Email Student Access (disability@TVCC.edu)

For all other questions or concerns regarding discrimination, contact:

Director of Human Resources/Title IX Coordinator

100 Cardinal Drive
Athens, TX 75751
903-675-6215
Email Human Resources (humanresources@TVCC.edu)

TVCC will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

As directed by the U.S. Department of Education, Title IX mandates that colleges receiving federal funding provide gender equity, not just in sports, but in all areas of campus life, meaning that all students should be able to receive an education free of harassment, sexual violence, and gender discrimination. All questions, concerns, or allegations of such conduct should be directed to the Trinity Valley Community College Title IX Coordinator, Director of Human Resources, by any of the following means:

Human Resources

Office AD214

Office phone 903-675-6215

Email Human Resources (humanresources@TVCC.edu)

or by completing the anonymous reporting form on the Human Resources Title IX section of the website

Accreditation and Program Approval

Accreditation

Trinity Valley Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award certificates, associate and baccalaureate degrees. Questions about the accreditation of Trinity Valley Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website.

Associate Degree Nursing program Accreditation

The Department of Education (DOE) recognizes the Accreditation Commission for Education in Nursing for TVCC's Associate Degree Nursing Program that received its last reaffirmation of accreditation in 2017 with no sanctions or negative actions.

RN-to-BSN program accreditation

The Department of Education (DOE) recognizes the initial accreditation through the Accreditation Commission for Education in Nursing for TVCC's Baccalaureate Nursing Program effective March 28, 2022.

Accreditation Commission for Education in Nursing (ACEN)

3390 Peachtree Road NE, Suite I 400
Atlanta, GA 30326
(404) 975-5000

<https://www.acenursing.org/candidacy/>

Note: Upon granting of initial accreditation by the ACEN Board of Commissioners, the effective date of initial accreditation is the date on which the nursing program was approved by the ACEN as a candidate program that concluded in the Board of Commissioners granting initial accreditation.

Program Approval

Programs, courses and degrees offered by Trinity Valley Community College are approved by the Texas Higher Education Coordinating Board.

Completion Rate

The completion rate for Trinity Valley Community College is 25% for first-time, full-time students within a three year period.

Public Information

Public Information (Open Records) Requests

Pursuant to Texas law, Trinity Valley Community College has designated addresses for receiving requests for public information. To request records from Trinity Valley Community College, you must submit your request, in writing, using one of these options:

1. By email to the Public Information Officer:

publicinformation@TVCC.com

2. By mail to:

Public Information Office, Athens Campus

100 Cardinal Drive

Athens, Texas 75751

3. In person at:

Liberal Arts Building, Room 115, Athens Campus

Please note that requests sent via fax or by any other method other than those designated above are not accepted. A request sent via mail or email must be sent to the Public Information Officer at the addresses listed above or Trinity Valley Community College is

not required to respond. A public information request sent to any other address will not qualify as an open records request under the Texas Public Information Act.

TVCC Foundation

The mission of the Trinity Valley Community College (TVCC) Foundation is to support the growth and development of TVCC as well as its students, faculty and staff. TVCC Foundation fulfills this mission by actively encouraging private gifts from individuals, corporations and foundations to transform lives through affordable and accessible education.

Foundation Board

Executive Cabinet

Mike Hembree, Chairman
Jeff Ayers, Vice Chairman
David Hopkins, Treasurer
Nicole Cornish, Secretary

Staff Members

Dr. Jason Morrison, TVCC President
Emily Heglund, CFRM, Executive Director of TVCC Foundation

Members

Mary Ensign, Athens
Tom Sheram, Athens
Ashley McKee, Athens
Blake Laird, Athens
Eddie Lick, Athens
Ethan Jackson, Athens

Ex-Officio

Jess Laird, Athens

TVCC Foundation Scholarships

The Purpose Of The Foundation Scholarship Program

The TVCC Foundation is committed to our mission to support the college by having funds available to provide scholarships to students desiring an education.

How Foundation Scholarships Can Be Used

A Foundation scholarship can be used to cover the direct and indirect costs of education depending on donor agreements. This includes: the purchase of books, payment of fees and tuition, miscellaneous related expenses and the costs of room and board.

All Foundation scholarships are awarded in June and November of each year and split evenly between fall and spring. Students who receive a scholarship for the fall semester must maintain the GPA, hours and other requirements outlined in the scholarship parameters in order to receive their awarded scholarship in the spring.

Eligibility To Apply

Any TVCC student is encouraged to apply for a Foundation scholarship. Each scholarship has individual requirements based on the donor wishes through scholarship memorandum of understanding (MOU) agreements.

For scholarships that require the student to reside in the TVCC service area, students must live in one of the following school districts:

Athens, Brownsboro, Canton, Cayuga, Chandler, Crandall, Cross Roads, Edgewood, Elkhart, Eustace, Forney, Frankston, Fruitvale, Kaufman, Kemp, LaPoyner, Mabank, Malakoff, Martins Mill, Murchison, Neches, Palestine, Rains, Scurry-Rosser, Slocum, Terrell, Trinidad, Westwood and Wills Point.

For scholarships that require the student to reside in the TVCC tax district, students must live in one of the following school districts:

Athens, Brownsboro, Chandler, Crandall, Cross Roads, Eustace, Frankston, Kaufman, Kemp, LaPoyner, Mabank, Malakoff, Murchison, Palestine, Scurry-Rosser, Terrell, and Trinidad.

Criteria To Apply

- Unless otherwise noted in the scholarship eligibility criteria, a student must be enrolled as a full-time student for most scholarships (nursing scholarships are a minimum of 3 hours)
- Each Foundation scholarship recipient will be matched with the scholarship that best fits their needs and the criteria of each Foundation scholarship
- Must meet all TVCC admission requirements as found in the TVCC Catalog.

Application Process

- Applicants must complete and submit the TVCC Foundation scholarship application **by June 1** of each year for fall and spring semester. An additional scholarship application period will be opened in early October for spring semester scholarships only. The deadline for this application period is **November 3**.
- Applications must have two signed letters of recommendation from non-family members.
- Applications require a copy of the applicant's most recent transcript (high school, GED, other colleges or universities) as of date of application.
- Applications must include an essay from the student explaining their academic goals and objectives and why they desire the scholarship requested. This must also include a separate list of volunteer and community activities in which the student has participated.
- Students who receive a Foundation scholarship **must** attend the annual Foundation scholarships ceremony. Details of the ceremony are mailed to recipients after the award period. Those who may have scheduling conflicts on the selected date of the event must contact the Foundation office at foundation@TVCC.edu or 903-670-2620.
- Students who receive a Foundation scholarship must present their award certificate to the TVCC Financial Aid office in order to claim the funds. Call Linda Land at 902-670-2620 if you need assistance.
- Scholarships available will be matched with the needs of each student.
- Foundation scholarships can **only** be used at TVCC and cannot be transferred to other colleges or universities.
- All Foundation scholarship recipients must maintain a 2.0 GPA to receive future foundation scholarships. Some Foundation scholarships require 2.5 or higher.
- After the scholarship committee convenes and makes awards, recipients will receive written notification. Applicants are encouraged to provide their current mailing addresses.

Ongoing Requirements Of Foundation Scholarship Awards

If there is an unused balance of the award beyond the fall semester; the student can carry those funds to the spring semester within the same academic year provided all eligibility requirements have been maintained.

If the Foundation award is not used within the same academic year, it will go back into the Foundation scholarship fund for future use by other TVCC students.

The Value Of Each Scholarship

The value of Foundation scholarship awards vary by scholarship. The value of a specific scholarship will be noted in the letter that students receive when notified. **Most awards range from \$500-\$2,000.**

The TVCC Foundation awards two types of scholarships to its students: endowed and non-endowed.

- Endowed scholarships are set up to be funded in perpetuity with the corpus of the donor gift intact and only the earnings awarded to students.
- Non-endowed funds are funded on an as-needed basis, and the entire donor fund can be depleted.

Contact Kandi Jones at Kandi.jones@TVCC.edu for (kristen.bennett@TVCC.edu) more information about foundation scholarships that are currently available.

We are proud of you for pursuing your dreams! Don't give up and remember we are here for you if you need us. Email us at foundation@TVCC.edu or call 903-670-2620.

ADMISSION AND REGISTRATION

Admission Requirements

Trinity Valley Community College (TVCC) maintains an open door admissions policy and constantly strives to provide programs beneficial to all students. Applicants are considered for admission without regard to race, color, religion, sex (including pregnancy, gender identity, and sexual orientation), parental status, national origin, age, disability, genetic information (including family medical history), political affiliation, military service, or other non-merit based factors. Students entering certain workforce programs should carefully consider their individual criminal history as it can impact the eligibility for pursuing state and national licenses.

Students who have been accepted to TVCC but do not register for coursework for two consecutive 16 week semesters will be required to reapply to TVCC before registering.

All students should review and comply with Texas Success Initiative (TSI) policies. The TSI Assessment is a comprehensive diagnostic and placement testing system. Please contact the TVCC Testing (p. 48) Center for additional information.

Stay informed about TVCC with important consumer information about financial aid resources and requirements, retention rate, gainful employment and institutional information located on the Consumer & Disclosure Information page.

The administration of admission policies at Trinity Valley Community College is the responsibility of the Admissions Office.

All correspondence concerning admissions should be addressed to the following:

Admission's Office
Trinity Valley Community College
100 Cardinal Drive
Athens, TX 75751

Admission Procedures

Beginning Freshman Students (Non-Dual Credit)

1. Students enrolling in college for the first time may qualify for admission by any one of the following methods:
 - a. Graduating from a high school
 - b. Presenting a notarized record of the high school equivalent work completed and the date of successful completion or satisfactory completion of the General Educational Development test (GED)*
 - c. Obtaining individual approval from academic advising; *See Individual Approval Policy (p. 61) section of this publication.*
 - d. Passing all sections of TSI (p. 48) and submitting a notarized statement from a high school official verifying that the student is not enrolled in school
2. Beginning freshmen students must have, prior to registration, the following information on file in the TVCC Admissions Office:
 - a. Submit your application
 - b. An official transcript of high school grades and credits or GED transcript with date of graduation or completion; English translation of transcripts is required.*
 - c. ¹Official TSI test results
 - d. Proof of bacterial meningitis vaccination that is not more than five years old (students over 22 are not required to have this vaccine)

¹ If a student who is required to become TSI complete does not receive the minimum required scores, the student will be required to enroll in prescribed corequisite courses and remain in those courses until the student's educational plan is complete.

Transfer Students

1. Students who have previously attended other accredited colleges may qualify for admission if the following documents are submitted prior to registration:
 - a. Submit your application
 - b. An official transcript of grades and credits from all colleges previously attended; English translation of transcripts is required.
Students on scholastic or disciplinary suspension from other institutions will be required, in addition to the above, to appear before the Academic Review Board (p. 159) which will make the final decision concerning acceptance and conditions of enrollment
 - c. ¹Official TSI test results (p. 40)
 - d. Proof of bacterial meningitis vaccination that is not more than five years old (students over 22 are not required to have this vaccine)
2. See Transcript Evaluation Process outlined in this catalog.

¹ If a student who is required to become TSI complete does not receive the minimum required scores, the student will be required to enroll in prescribed corequisite courses and remain in those courses until the student's educational plan is complete.

Dual/Concurrent/PINNACLE ECHS Enrollment (High School Students)

Dual credit refers to a system under which an eligible high school student enrolls in a college course(s) and receives credit from both the college and the high school simultaneously, regardless of location or mode of delivery. Concurrent enrollment refers

to a system under which an eligible high school student enrolls in college-level courses while still enrolled in high school and receives college credit without simultaneously receiving high school credit for these courses. Dual credit and concurrent courses include both academic courses as well as technical/workforce courses. For example, English, mathematics, history, government, criminal justice, welding, health occupations, business, ranch management and others are included..

High school students may be eligible to receive dual credit toward high school graduation for successfully completing TVCC core curriculum courses, technical/workforce courses and/or foreign language courses. Dual credit courses can be offered at the high school campus during regular high school hours and/or after high school hours, via embedded instruction, online, Zoom or on any of the TVCC campuses.

High school students may enroll in academic transfer and/or technical/workforce dual credit courses once they have met the following requirements:

- received permission from their parent/guardian and high school counselor;
- completed all TVCC admissions requirements and prerequisites for courses they wish to take;
- met the Texas Success Initiative Assessment-2 (p. 44) (TSIA-2) requirements;

High school students participating in the dual credit or PINNACLE ECHS programs may earn college credit that can culminate with a status of core complete, an attained associate degree or technical/workforce credential.

High school freshmen and sophomores are also allowed to enroll in TVCC-approved dual credit academic transfer and technical/workforce courses but may be required to meet certain additional admission requirements other than those stated above. Contact the director of dual credit for further details.

For students wishing to enroll in more than 18 semester credit hours, certain requirements must be met. Dual credit students with a GPA below 2.0 are placed on Scholastic Probation. Students placed on Scholastic Probation may be required to meet with a dual credit advisor prior to registration until they have earned a Cumulative GPA of 2.0 or higher. Contact the director of dual credit for further details.

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High school students enrolled in the dual credit or PINNACLE ECHS programs are eligible to enroll in all TVCC semesters, including fall 16-week, fall 8-week-1, fall 8-week-2, mini-winter semester, spring 16-week, spring 8-week-1, spring 8-week-2, summer 1, summer 2 and all summer.

High school students enrolled in the dual credit or PINNACLE ECHS programs are eligible for all TVCC student services, including, but not limited to, library services, student mentoring, student counseling, student advising with the dual credit director, free tutoring and disability services.

The dual credit program waives tuition on two academic classes for each semester that high school students are enrolled. Students are responsible for a flat fee for each of the two academic classes, plus the cost of learning resources. Tax paying district students' flat fee is \$49 per semester credit hour. Non-taxing district students' flat fee is \$60 per semester credit hour. Additional fees for online courses and lab fees are not included in the flat rate. Upon enrollment in the third class, the student is responsible for full tuition and fees. The dual credit program waives all tuition and fees for dual credit technical/workforce courses located at the high school and taught by an embedded high school instructor. Refer to the tuition and fees (p. 55) section of this catalog for a complete and current list of the taxing and non-taxing district schools. TVCC participates in the FAST program.

Visit the dual credit website for more detailed information on eligibility, requirements and services.

Health Science Students

All correspondence about admission to a specific health science program should be addressed to the following:

Health Science Center Counselor
Trinity Valley Community College
1551 TX-34
Terrell, TX 75160

Admission to Associate Degree Nursing, RN-TO-BSN, LVN-to-ADN Transition, Paramedic-to-ADN Transition, Vocational Nursing, Surgical Technology, pharmacy technician, Paramedic and patient care technology Programs

Students entering certain health science programs should carefully consider their individual criminal history as it can impact the eligibility for pursuing state and national licenses. Applicants must fulfill the following requirements to be considered for entrance into these programs:

1. Submit your application
2. ¹Provide documentation of TSI (p. 40) completion or exemption (p. 41).
TSI completion is not required for the Pharmacy Technician, Paramedic or Patient Technology certificate programs but the TSI test should have been taken before application to those programs.
3. Submit minimum passing scores on each area of the designated health occupations admissions test; current testing information can be found in the Health Occupations brochure on the Health Science Center webpage, or by contacting the HSC counselor. The health occupations admissions test is not required for the pharmacy technician, paramedic, clinical medical assistant, RN-to-BSN, nor the patient care technology programs.
4. Complete the prerequisites as outlined in the current brochures, with a grade of C or better
5. Submit official transcripts from all previously attended colleges to the Registrar's Office and complete the online application for the health occupations program(s) of choice by the application deadline published in the brochures
6. Have a cumulative grade point average of 2.5 or better on a 4-point system for all previous college work. If all qualified students are selected and there are still positions available, students with a cumulative GPA of 2.0 will be considered using the same point system

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- ¹ If a student who is required to become TSI complete does not receive the minimum required scores, the student will be required to enroll in prescribed corequisite courses and remain in those courses until the student's educational plan is complete.

There is a process for selection of students who are admitted to these health occupations programs. It is the student's responsibility to contact an advisor for information regarding the current process. It is the student's responsibility to keep the Health Science Center informed of any changes in name, address, email address or telephone number.

After acceptance into a health science program, the student must meet clinical requirements including meeting functional abilities, negative TB test or chest x-ray, immunization records, a negative drug screen, Basic Life Support certification for health care providers, and acceptable criminal background and registry checks.

Any ADN or VN applicant who has been convicted of a crime other than a minor traffic violation must be cleared by the Texas Board of Nursing before starting the core courses. Applicants will be sent information about getting fingerprinted for the FBI criminal background check for the Board of Nursing. Applicants with hits will either be approved by the Board of Nursing or asked to submit a petition for a declaratory order concerning their eligibility to take the NCLEX licensing examination. Applicants who have been hospitalized or treated for mental illness and/or chemical dependency must submit a petition for a declaratory order concerning their eligibility to take the NCLEX licensing exam. To access the petition for a declaratory order, go to Texas Board of Nursing and click on forms.

International Students

Correspondence related to the admission of international students should be addressed to the following:

Office of International Students
Trinity Valley Community College
100 Cardinal Drive
Athens, TX 75751

or email: international@TVCC.edu

The college requires the international applicant to:

1. Submit your application;
2. Provide the college with official transcripts from all previously attended institutions including high school and college; English translation of transcripts is required.*
3. Provide official TOEFL score of 41 iBT, 450 paper or 132 computer; or IELTS band score of 5.5. Applicants from countries where English is an official language are exempt from TOEFL or IELTS.
4. Provide proof of financial support in the amount of \$15,000;
5. Copy of passport

Transfer Students are also required to submit completed International Student Advisor's Report Form and all college transcripts from attended institutions. Transfer students must provide copies of current I-20 and U.S. Visa.

If admitted, the international student must:

1. Be a full-time student (minimum of 12 semester hours);
2. Live on campus in college housing with a meal plan unless approved for off-campus housing by the Trinity Valley Community College Housing Committee (off-campus permission must be obtained by August 15 for the fall and by January 5 for the spring semester);
3. Pay tuition, fees and the first installment on room/board upon registration;
4. Purchase hospital or health insurance and show evidence of policy before enrollment;
5. Maintain the same academic and attendance standards as other students, if for two consecutive semesters, an international student does not maintain a minimum GPA of 2.0, he/she will not be eligible to re-enter TVCC;
6. Provide proof of bacterial meningitis vaccination (in English) that is not more than 5 years old (students over 22 are not required to have this vaccine); and
7. ¹Enroll in the appropriate courses as determined by TSI (p. 40) requirements.

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- ¹ If a student who is required to become TSI complete does not receive the minimum required scores, the student will be required to enroll in prescribed corequisite courses and remain in those courses until the student's educational plan is complete.

All students should review and must comply with TSI (p. 40) policies.

*If TVCC Admissions has reason to believe that the high school diploma is not valid or was not obtained from an entity that provides secondary school education, the Director of Admissions will evaluate the validity of the student's high school completion. The Director of Admissions will:

- 1) check with the high school to confirm the validity of the student's diploma; and
- 2) confirm with the relevant department or agency in the state in which the secondary school is located that the secondary school is recognized as a provider of secondary school education.

Active-Duty Service Members

A student who is serving on active duty as a member of the armed forces of the United States who is called to duty during a semester will be readmitted to Trinity Valley Community College upon return. Service members who are gone for more than two long semesters will be required to resubmit an application and updated admissions documents.

**Disclaimer: Trinity Valley Community College refrains from high-pressure recruitment tactics such as making multiple unsolicited contact (3 or more), including contacts by phone, email, or in-person or engage in same-day recruitment and registration for the purpose of securing Service member enrollments.*

If TVCC Admissions has reason to believe that the high school diploma is not valid or was not obtained from an entity that provides secondary school education, the Director of Admissions will evaluate the validity of the student's high school completion. The Director of Admissions will:

- check with the high school to confirm the validity of the student's diploma; and*
- confirm with the relevant department or agency in the state in which the secondary school is located that the secondary school is recognized as a provider of secondary school education.*

Required Immunizations

Student Immunizations

Students who are enrolled in clinical courses in health occupation programs are required to complete a medical information form and will be required to have updated immunizations as specified by the Division of Health Occupations. In accordance with Senate Bill 1517, (Texas Legislature, 1991). All students should have measles, mumps, rubella and tetanus immunizations prior to admission. Students who are enrolled in clinical courses in health occupation programs (except RN-to-BSN), are required to complete a medical form and will be required to have updated immunizations as specified by the Division of Health Occupations. Although TVCC does not require the Covid-19 vaccine, health occupations clinical students may be required to get vaccinated and boosted depending on the requirements of their respective clinical facilities.

All students under the age of 22 are required to have proof of the bacterial meningitis vaccine that is not more than five years old.

Bacterial Meningitis

This information is being provided to all new college students in the state of Texas. Bacterial meningitis is a serious, potentially deadly disease that can progress extremely fast—so take utmost caution. It is an inflammation of the membranes that surround the brain and spinal cord. The bacteria that cause meningitis can also infect the blood. This disease strikes about 3,000 Americans each year, including 100-125 on college campuses, leading to 5-15 deaths among college students every year. There is a treatment, but those who survive may develop severe health problems or disabilities.

What are the Symptoms of Bacterial Meningitis?

- High fever
- Severe headache
- Rash or purple patches on skin
- Vomiting
- Light sensitivity
- Stiff neck
- Confusion and sleepiness
- Nausea
- Lethargy
- Seizures

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There may be a rash of tiny, red/purple spots caused by bleeding under the skin. These can occur anywhere on the body.

The more symptoms, the higher the risk, so when these symptoms appear seek immediate medical attention.

How Can I Find Out More Information About Bacterial Meningitis?

- Contact your own health care provider.
- Contact your regional Texas Department of Health office at 903-595-3585.
- Contact web sites: www.cdc.gov/ncidod/dbmd/diseaseinfo; www.acha.org .

Testing

Placement Examinations

Trinity Valley Community College adheres to the “open door” admissions policy. This policy provides that any graduate of an accredited high schools or any holder of a certificate of high school equivalency will be eligible for admission when presenting the proper credentials. Students entering certain workforce programs should carefully consider their individual criminal history as it can impact the eligibility for pursuing state and national licenses. Prior to registration, students may be required to take an approved test for TSI (p. 40) purposes or an official placement test designated by the Trinity Valley Community College testing personnel. TSI is only required for students enrolled in an associates degree or level one certificate program.

ACT Student Assessment

Trinity Valley Community College is a test center for national administrations of the ACT Student Assessment. Tests are given most October, February and April, according to ACT needs. Registration must be completed with the headquarters of the American College Testing Program in Iowa City, IA approximately 30 days before the chosen date for testing. High school officials should be consulted for further information.

Certificate of High School Equivalency/General Educational Developmental (GED) Testing

TVCC offers the General Educational Developmental (GED) testing program which provides a means for determining the educational level of adults who have not completed a formal high school education. A certificate of high school equivalency, not a high school diploma, may be issued to adults who successfully complete the GED examination, verifying that the holder has demonstrated a level of educational competence equivalent to that of a high school senior. The GED certificate may be used for job qualification, for admittance to occupational training, for college and for personal reasons. GED testing is currently only offered on the TVCC-Athens Campus and is offered in both the English and Spanish language. Any resident of Texas who has not graduated from an accredited high school is eligible to take the high school equivalency test, if requirements are met.

CLEP Exams

The College-Level Examination Program or CLEP provides students of any age the opportunity to earn college credit by demonstrating college-level achievement through a program of exams in undergraduate college courses.

Refer to the Credit by Examination (p. 146) page for exam and test score details.

TSI Testing Requirements

Texas Success Initiative Program (TSI)

The Texas Success Initiative (TSI) is mandated by Texas law and went into effect in September of 2003. The purpose of TSI is to ensure that all students enrolling in public higher education in Texas possess the academic skills needed to perform effectively in college-level coursework. TSI includes a testing component designed to identify and provide diagnostic information about the reading, writing and mathematics skills of each student. On January 11, 2021, the new version of the exam went into effect and is now known as the TSIA2. The new TSIA 2.0 includes an integrated reading and writing section (ELAR). Students who have not reached the college ready score for enrollment prior to the

effective date must take the new TSIA 2.0. Students who are retesting in the Reading and/or Writing sections cannot combine TSIA and TSIA2 test results.

Students who do not receive the minimum required score on an approved TSI assessment are required to enroll in co-requisite courses or participate in other activities designed to assist the students in overcoming the academic deficiencies identified by that assessment.

The state approved assessment instrument is the TSI Assessment.

Assessment and Placement of Students

Prior to registering for coursework in an associate degree or level two certificate, students must submit official test scores on an approved Texas Success Initiative (TSI) test unless the student meets one of the TSI exemptions. Students who do not receive the minimum required test scores will be required to enroll in corequisite courses and remain in those courses until passing test scores in each area (reading, writing and math) are received or until passing the corequisite courses. Level one certificates and Occupational Skills Awards do not require TSI testing.

Students who complete the TSI assessment and meet the minimum benchmarks in effect on the date of testing will be designated as TSI complete in that area. These scores will remain valid for course placement for a period of five years from the date of testing.

TSI Testing Exemptions

Any student who has been determined to be exempt in mathematics, reading, and/or writing shall not be required to enroll in developmental coursework and/or interventions in the corresponding area of exemption. The following students shall be exempt from the requirements of Administrative Code Title 19, including the TSI (p. 40), whereby exempt students shall not be required to provide additional demonstration of college readiness and shall be allowed to enroll in any entry-level freshman course as defined in 19 Administrative Code 4.53(12):

- For a period of five years from the date of testing, a student who is tested and performs at or above the following standards that cannot be raised by institutions:
 - **ACT:**
 - **ACT administered prior to February 15, 2023:** Composite score of 23 with a minimum score of 19 on the English test shall be exempt for both the reading and writing sections of the TSI (p. 40) assessment, and/or 19 on the mathematics test shall be exempt for the mathematics section of the TSI (p. 40) assessment; or
 - **ACT administered on or after February 15, 2023:** a combined score of 40 on the English and Reading (E+R) tests shall be exempt for both reading and writing or ELAR sections of the TSI Assessment. A score of 22 on the mathematics test shall be exempt for the mathematics section of the TSI Assessment. There is no composite score.
 - **SAT:**
 - **SAT administered on or after March 5, 2016*:** Minimum score of 480 on the Evidenced-Based and Writing (EBRW) test shall be exempt for both reading and writing sections of the TSI (p. 40) assessment; a minimum score of 530 on the mathematics test shall be exempt for the mathematics section of the TSI assessment. There is no combined score to exempt students from all 3 sections of the TSI. (p. 40)
 - **SAT administered prior to March 2016*:** Combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum score of 500 on both **critical reading** and mathematics is required for both reading and writing sections of the TSI (p. 40) assessment; a combined critical reading (formerly "verbal") and mathematics score of 1070 with a minimum of 500 on the mathematics test shall be exempt for the mathematics section of the TSI (p. 40) assessment.
 - Mixing or combining scores from the SAT administration prior to March, 2016 and the SAT administered on or after March, 2016 is not allowable. For a period of five years from the date of testing, a student who is tested and performs at or above the following standards (on state assessments) that cannot be raised by institutions:

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- On the **eleventh grade exit-level Texas Assessment of Knowledge and Skills (TAKS)** with a minimum scale score of 2200 on the mathematics section and/or a minimum scale score of 2200 on the English language arts section with a writing subsection score of at least 3, shall be exempt from the TSI (p. 40) assessment required under Title 19 for those corresponding sections; or
- **STAAR end-of-course (EOC)** with a minimum Level 2 score of 4000 on the English III shall be exempt from the TSI (p. 40) assessment required under this title for both reading and writing, and a minimum Level 2 score of 4000 on the Algebra II EOC shall be exempt from the TSI (p. 40) assessment required under this title for the mathematics section.
- A student who has graduated with an associate or baccalaureate degree from an institution of higher education.
- A student who transfers to an institution from a private or independent institution of higher education or an accredited out-of-state institution of higher education and who has satisfactorily completed college-level coursework as determined by the receiving institution.
 - A student who has previously attended any institution and has been determined to have met readiness standards by that institution. For students meeting non-Algebra intensive readiness standards in mathematics as defined in 19 Administrative Code 4.59 (relating to determination of readiness to perform entry-level freshman coursework), institutions may choose to require additional preparatory coursework/interventions for Algebra intensive courses, including MATH-1314 College Algebra/MATH-1324 Mathematics for Business & Social Sciences.
- A student who is enrolled in a certificate program of one year or less (Level One certificates, 42 or fewer semester credit hours or the equivalent).
- A student who successfully completes a college preparatory course under Education Code 28.014 is exempt for a period of 24 months from the date of high school graduation with respect to the content areas of the course. The student must enroll in the first college-level course in the exempted content area in the student's first year of enrollment with TVCC. This exemption applies only to students who completed the college preparatory course with an ISD that partnered with TVCC to provide the course. Students with a TSI exemption for a college preparatory course who earn less than a C in the students' first college-level course in the exempted content area will be required to demonstrate college readiness by enrolling in a co requisite model developmental pathway.
- A student who is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or for at least the three-year period preceding enrollment, as a member of a reserve component of the armed forces of the United States; or

A student who on or after August 1, 1990, was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or serves as a member of a reserve component of the armed forces of the United States.

- **GED**--Only on tests taken after 8/23/2016 : **minimum score of 165 on the Mathematical Reasoning subject test** shall be exempt for the mathematics section of the TSI Assessment. A minimum score of 165 on the Reasoning Through Language Arts (RLA) subject test shall be exempt for the English Language Arts Reading (ELAR) section of the TSI Assessment.
- **HiSET**--Only on tests taken after 8/23/2016: minimum score of 15 on the Mathematics subtest shall be exempt for the mathematics section of the TSI Assessment. A minimum score of 15 on the Reading subtest and a minimum score of 15 of the Writing subtest, including a minimum score of 4 on the essay will be exempt from the ELAR section of the TSI Assessment.

Partial Exemption:

Students who meet one of the following testing criteria can be partially exempt from the TSI (p. 40) requirements using the following qualifying standards on the ACT, SAT, TAKS, or STAAR EOC tests **with scores that are no more than five years old from the date of testing:**

- **ACT Reading & Writing administered prior to March 2023:** Composite score of 23 with a minimum score of 19 on the English test shall be exempt for both the reading and writing sections of the TSI (p. 48) assessment, and/or 19 on the mathematics test shall be exempt for the mathematics section of the TSI (p. 48) assessment; or
- **ACT Reading & Writing administered on or after March 2023:** A minimum score of 19 on the English test shall be exempt for both the ELAR (reading and writing sections) of the TSI (p. 48) assessment, and/or 19 on the mathematics test shall be exempt for the mathematics section of the TSI (p. 48) assessment.
- **ACT Math administered prior to March 2023:** Composite score of 23 or higher with a score of 19 or higher on the math subtest. Student must take the reading and writing sections of a test approved for TSI (p. 48) purposes.
- **ACT Math administered on or after March 2023:** A score of 19 or higher on the math subtest. Student must take the reading and writing sections of a test approved for TSI (p. 48) purposes.
- **SAT Reading & Writing administered prior to March 2016¹:** Composite score of 1070 or higher with a score of 500 or higher on the critical reading subtest. Student must take the math section of a test approved for TSI (p. 48) purposes.
- **SAT Reading & Writing administered on or after March 5, 2016¹:** Minimum score of 480 on the Evidenced-Based and Writing (EBRW) is required for exemption on both reading and writing sections

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- **SAT Math administered prior to March 2016¹:** A composite score of 1070 or higher, with a score of 500 or higher on the math subtest. Student must take the reading and writing sections of a test approved for TSI (p. 48) purposes.
- **SAT Math administered on or after March 5, 2016¹:** minimum score of 530 on the mathematics test is required for exemption on the mathematics sections.
- **STAAR End-of Course (EOC) Math:** Minimum of Level 2 (4000) on Algebra II EOC for mathematics. Student must take the reading and writing sections of a test approved for TSI (p. 48) purposes.
- **STAAR End-of Course (EOC) Reading and Writing:** Minimum of Level 2 (4000) on the English III EOC. Student must take the math section of a test approved for TSI (p. 48) purposes.

¹ Combining scores from the SAT administered prior to March 2016 and the SAT administered on or after March 5, 2016 is not allowable.

² The composite score and the subtest scores of the SAT/ACT must be earned on the same test administration.

³ ACT and SAT partial exemptions are only valid for tests dated April 2004 or later.

High School TSI Qualifications

As outlined in TAC Title 19, part 1, chapter 4, subchapter D, a high school student is eligible to enroll in dual credit courses that require English Language Arts and Reading TSI-2 completion if the student:

- Demonstrates college readiness by achieving the minimum passing standards under the provisions of the **TSIA-2**;
- Demonstrates the **TSIA-2** exemption specified;
- Achieves a minimum of Level 2 (4000) final recommended score on the English II STAAR EOC (prior to May 16, 2024);
- Achieves a minimum combined score of 107 on the **PSAT/NMSQT** with a minimum score of 50 on the reading test administered prior to October 15, 2015 (*mixing or combining scores from the PSAT/NMSQT administered prior to October 15, 2015 and the PSAT/NMSQT administered on or after October 15, 2015 is not allowable*); No PSAT scores from test taken after May 16, 2024 will be accepted for TSI-2 exemptions.
- Achieves a minimum score of 460 on the evidence-based reading and writing (EBRW) test on the **PSAT/NMSQT** administered on or after October 15, 2015 (*mixing or combining scores from the PSAT/NMSQT administered prior to October 15, 2015 and the PSAT/NMSQT administered on or after October 15, 2015 is not allowable*); No PSAT scores from test taken after May 16, 2024 will be accepted for TSI-2 exemptions.
- Achieves a minimum composite score of 23 on the **ACT/PLAN** with a minimum score of 19 in English (prior to Feb. 15, 2023); Achieves a combined score of 40 on the English and Reading **ACT** tests (post Feb. 15, 2023)
- Achieves a minimum combined score of 1070 on the **SAT** with a minimum score of 500 on the critical reading test administered prior to March 5, 2016 (*mixing or combining scores from the SAT administered prior to March 5, 2016 and the SAT administered on or after March 5, 2016 is not allowable*);
- Achieves a minimum score of 480 on the evidence-based reading and writing (EBRW) test on the **SAT** administered prior to March 5, 2016 (*mixing or combining scores from the SAT administered prior to March 5, 2016 and the SAT administered on or after March 5, 2016 is not allowable*).

A high school student is eligible to enroll in dual credit courses that require Mathematics TSI-2 completion if the student:

- Demonstrates college readiness by achieving the minimum passing standards under the provisions of the **TSIA-2**
- Demonstrates the **TSIA-2** exemption specified;
- Achieves a minimum Level 2 (4000) final recommended score on the **Algebra I STAAR EOC** and passing grade in the Algebra II course (prior to May 16, 2024);

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- Achieves a minimum Level 2 (4000) final recommended score on the **Algebra II STAAR EOC**;
- Achieves a minimum combined score of 107 on the **PSAT/NMSQT** with a minimum score of 50 on the mathematics administered prior to October 15, 2015 (*mixing or combining scores from the PSAT/NMSQT administered prior to October 15, 2015 and the PSAT/NMSQT administered on or after October 15, 2015 is not allowable*); No PSAT scores from test taken after May 16, 2024 will be accepted for TSIA-2 exemptions.
- Achieves a minimum score of 510 on the mathematics test on the **PSAT/NMSQT** administered on or after October 15, 2015 (*mixing or combining scores from the PSAT/NMSQT administered prior to October 15, 2015 and the PSAT/NMSQT administered on or after October 15, 2015 is not allowable*); No PSAT scores from test taken after May 16, 2024 will be accepted for TSIA-2 exemptions.
- Achieves a minimum composite score of 23 on the **ACT/PLAN** with a minimum score of 19 in mathematics (prior to Feb. 15, 2023). Achieves a score of 22 on the mathematics **ACT** test. There is no composite score (post Feb. 15, 2023).
- Achieves a minimum combined score of 1070 on the **SAT** with a minimum score of 500 on the mathematics test administered prior to March 5, 2016 (*mixing or combining scores from the SAT administered prior to March 5, 2016 and the SAT administered on or after March 5, 2016 is not allowable*);
- Achieves a minimum score of 530 on the mathematics test on the **SAT** administered prior to March 5, 2016 (*mixing or combining scores from the SAT administered prior to March 5, 2016 and the SAT administered on or after March 5, 2016 is not allowable*).

A high school student is eligible to enroll in technical/workforce dual credit courses contained in a Level 1 certificate program, or a program leading to a credential of less than a Level 1 certificate, at a public junior college or public technical institute.

An eligible high school student who enrolls in a dual credit course that requires TSI completion in reading, writing or mathematics during their junior year under the STAAR EOC provisions (refers only to STAAR scores taken prior to May 16, 2024) shall not be required to demonstrate further evidence of eligibility to enroll in dual credit courses in the twelfth grade.

To be eligible for enrollment in a dual credit course offered by a public college, students must meet all the college's regular prerequisite requirements designated for that course (e.g., minimum score on a specified placement test, minimum grade in a specified previous course, etc.).

An eligible high school student who enrolls in a dual credit course that requires TSI completion in reading, writing, or mathematics during their junior year under the PSAT/NMSQT, ACT/PLAN, or SAT provisions and earns a grade of C or better in their dual credit course has demonstrated eligibility to enroll in dual credit courses in the twelfth grade. No PSAT scores from test taken after May 16, 2024 will be accepted for TSIA-2 exemptions.

An eligible high school student who enrolls in a dual credit course that requires TSI completion in reading, writing, or mathematics during their junior year under the PSAT/NMSQT, ACT/PLAN, or SAT provisions and does not earn a grade of C or better in their dual credit course must demonstrate eligibility to enroll in dual credit courses in the twelfth grade. No PSAT scores from test taken after May 16, 2024 will be accepted for TSIA-2 exemptions.

For additional information on Texas Success Initiative Assessment policies or test dates at TVCC, contact the testing center at Athens or the Advisement centers at the Health Science Center, Palestine or Terrell campuses.

Developmental Education Corequisite Requirements

Developmental Education Corequisite Program

Before registering for coursework, students pursuing an AA, AAS, or a qualified Certificate must submit official test scores on the state-approved Texas Success Initiative (TSI) A2 test unless the student meets one of the TSI exemptions. Students who do not receive the minimum required test scores will be required to enroll in corequisite courses and remain in those courses until:

- passing TSIA2 scores in each area are received, or
- successfully completing the credit-bearing corequisite course.

Corequisite courses are designed to assist students in attaining mastery of basic skills needed for college success. These courses are required for students whose college readiness level (as identified by TSIA2 scores) demonstrates a need for skills development in reading, writing, and/or mathematics.

Corequisite courses are also an option for students who wish to review and develop basic educational skills, even though the courses may not be required based on TSIA2 scores. The non-credit-bearing corequisite courses carry no semester hour credit, do not transfer, do not calculate into a student's academic GPA, and cannot be used for graduation purposes.

The developmental education corequisite curriculum is outlined in the following table:

Developmental Corequisite Studies Curriculum

Course	Course Name	Special Notes
BASC-0011	Non-credit, basic IRW	Non-credit- structured tutoring
BASC-0022	Non-credit, basic Math	Non-credit- structured tutoring
DECO-0001	Composition support, repeat course	Required for students who did not complete DECO-0301/ENGL-1301 on first attempt; Co-enrollment with DECO-0301/ENGL-1301 required.
DECO-0301	Composition support	Co-enrollment with ENGL-1301 required
DECO-0014	Support for algebraic thinking, repeat course	Required for students who did not complete DECO-0314/MATH-1314 on first attempt; Co-enrollment with DECO-0314/MATH-1314 required.
DECO-0314	Support for algebraic thinking	Co-enrollment with Math-1314 required
DECO-0024	Support for business math, repeat course	Required for students who did not complete DECO-0324/MATH-1324 on first attempt; Co-enrollment with DECO-0324/MATH-1324 required.
DECO-0324	Support for business math	Co-enrollment with Math-1324 required
DECO-0032	Support for mathematical thinking, repeat course	Required for students who did not complete DECO-0332/MATH-1332 on first attempt; Co-enrollment with DECO-0332/MATH-1332 required.
DECO-0332	Support for mathematical thinking	Co-enrollment with MATH-1332 required
DECO-0042	Support for statistical thinking, repeat course	Required for students who did not complete DECO-0342/MATH-1342 on first attempt; Co-enrollment with DECO-0332/MATH-1332 required.
DECO-0342	Support for statistical thinking	Co-enrollment with MATH-1342 required

Expected Performance in Corequisite Courses

If a student does not receive the minimum required scores on an approved TSIA2 test, the student will be required to enroll and attend prescribed paired corequisite courses and remain in those courses until passing test scores are submitted, or the corequisite sequence is successfully completed.

The corequisite studies program is intended to assist students in acquiring the essential skills needed to succeed in college. All students are expected to do their utmost to complete the corequisite and paired credit courses within one semester. Students may earn an A, B, C, D, F, or W in the paired courses. If a student withdraws from the corequisite course, they must withdraw from the paired credit course as well.

Blocked Courses Determined by TSI Scores

Some academic courses are blocked from enrollment based on TSI requirements. In such instances, students must pass the appropriate section on an approved TSIA2 test or complete the required corequisite paired course sequence to become eligible to enroll in the courses that are blocked in their degree plan. Blocked courses in each TSI area (reading, writing, and math) are outlined below:

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Reading

Students must be TSI complete in reading to enroll in the following courses:

Code	Title	Hours
ARTS-1301	Art Appreciation	3
ARTS-1303	Art History I (prehistoric to the 14th Century)	3
ARTS-1304	Art History II (14th Century to Present)	3
BIOL-1406	Biology for Science Majors I	4
BIOL-1407	Biology for Science Majors II	4
BIOL-2401	Anatomy and Physiology I	4
BIOL-2402	Anatomy and Physiology II	4
BIOL-2404	Anatomy and Physiology	4
BIOL-2420	Microbiology for Non-Science Majors	4
CHEM-1405	Introductory Chemistry I	4
CHEM-1407	Introductory Chemistry II	4
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
CHEM-2423	Organic Chemistry I	4
DRAM-1310	Theater Appreciation	3
DRAM-2366	Film Appreciation	3
MUSI-1306	Music Appreciation	3
MUSI-1307	Music Literature	3
MUSI-1310	American Music	3
SPCH-1321	Business and Professional Communication	3
SPCH-1315	Public Speaking	3
PHYS-1415	Physical Science I	4
PHYS-1417	Physical Science II	4

Reading and Writing

Students must be TSI complete in reading and writing to enroll in the following courses:

Code	Title	Hours
ENGL-1302	Composition II	3
ENGL-2322	British Literature I	3
ENGL-2323	British Literature II	3
ENGL-2327	American Literature I	3
ENGL-2328	American Literature II	3
ENGL-2332	World Literature I	3
ENGL-2333	World Literature II	3

Math

Students must be TSI algebraic complete in math to enroll in the following courses:

Code	Title	Hours
ACCT-2401	Principles of Financial Accounting	4
ACCT-2402	Principles of Managerial Accounting	4
BIOL-1406	Biology for Science Majors I	4
BIOL-1407	Biology for Science Majors II	4
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
CHEM-2423	Organic Chemistry I	4
MATH-1314	College Algebra	3
MATH-1324	Mathematics for Business & Social Sciences	3
MATH-1325	Calculus for Business and Social Sciences	3
MATH-1350	Mathematics for Teachers I (Fundamentals of Mathematics I)	3
MATH-1351	Mathematics for Teachers II (Fundamentals of Mathematics II)	3
MATH-2320	Differential Equations	3
MATH-2312	Pre-Calculus Math	3
MATH-2413	Calculus I	4
MATH-2414	Calculus II	4
MATH-2415	Calculus III	4
MATH-2318	Linear Algebra	3
PHYS-1401	College Physics I	4
PHYS-1402	College Physics II	4
PHYS-2425	University Physics I	4
PHYS-2426	University Physics II	4
PSYC-2317	Statistical Methods in Psychology	3

MATH

Students must be TSI non-algebraic complete in math to enroll in the following courses:

Code	Title	Hours
BIOL-2401	Anatomy and Physiology I	4
BIOL-2402	Anatomy and Physiology II	4
CHEM-1405	Introductory Chemistry I	4
CHEM-1407	Introductory Chemistry II	4
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
MATH-1342	Elementary Statistical Methods	3

Academic Fresh Start

Texas Senate Bill 1321, entitled “Right to an Academic Fresh Start” allows a person who is a resident of Texas to apply for undergraduate admission and not have coursework completed 10 or more years prior to the date of anticipated enrollment included as consideration in the admission decision. This allows undergraduate students to begin a new course of study with a clear academic record.

Note: This is an “all or nothing” option. You are not able to pick and choose which courses to ignore and which courses to count. If you choose the “Academic Fresh Start” option, you will not receive any credit for courses you took 10 or more years ago. Courses that have been used to obtain a previous degree or certificate may not be able to be cleared with an Academic Fresh Start.

This means that:

- Courses taken previously cannot be used to fulfill new prerequisite requirements
- Course taken previously cannot be counted towards your new degree
- Courses taken previously will not be counted in your new GPA calculations

The provision does not affect coursework completed between the 10 years prior date and the new enrollment date.

Even if you choose the Academic Fresh Start option, you must still complete the usual admissions process, including providing information on all colleges or universities previously attended and providing official copies of transcripts from all schools you attended.

Students under the Fresh Start provision must still meet the criteria for the Texas Success Initiative unless they have met one of the exemptions. The Academic Fresh Start Provision does not affect Texas Success Initiative exemptions claimed on the basis of college credit earned prior to September 1989.

An approved Academic Fresh Start only applies to academic records. Approval does not determine eligibility for federal and/or state funds awarded through the Financial Aid office as your financial aid GPA is not changed by an approved Academic Fresh Start.

Individual Approval Policy

To be admitted to the college through individual approval, a student must be at least 18 years of age; take the TSI (p. 40) exam; meet with the Director of Student Pathways to discuss educational goals; then submit the individual approval form with Director of Student Pathways signature to the Registrar's Office. For financial aid implications, view our Ability to Benefit policy.

Transcript Evaluation

Transcripts submitted to the Trinity Valley Community College Registrar's Office two weeks prior to registration are evaluated and results are given to students at registration. Transcripts received after this time are evaluated during the semester in which they are received. Students can obtain copies in the Advising Center or on their MyCardinalConnect portal. All college courses with a grade of D or higher are accepted in transfer except for selected health occupation programs (see list below). Students should consult an advisor for more information. There is no limit on the number of transfer hours accepted. Transfer credit is only awarded from regionally accredited institutions; however, all official college transcripts are required to be submitted prior to enrollment. International credits are not transferable to TVCC, nor are degrees awarded outside of the US. See articulated credit (p. 152) for prior learning opportunities.

Health Science programs that require a grade of 75% or better:

Associate Degree Nursing

Clinical Medical Assistant

Emergency Medical Services

Patient Care Technology

Pharmacy Technician

Surgical Technology

Vocational Nursing

RN-to-BSN

Registration

Online Registration

Eligible students may register for all TVCC courses via the online registration system available through MyCardinalConnect

Once a student has been admitted to the college and visited with an advisor, they may register online. Online registration occurs at specific times during the year.

Check the college calendar for dates of registration. During online registration, students may change their schedule by dropping and adding courses in the MyCardinalConnect.

Who is Eligible to Register Online through MyCardinalConnect?

1. Students who have met admissions requirements, including advising for first time college students;
2. Students who are currently enrolled;
3. Students who have previously attended and have submitted a new TVCC application of admissions. (Students who have missed a fall or spring semester must complete and submit a new application for admission.)
- 4.

Who is Not Eligible to Register Online through MyCardinalConnect?

1. Students currently on an academic probation (p. 159)- these students must meet with their advisor prior to enrolling for another semester
2. Students currently on an academic suspension (p. 159) - these students must meet with the Retention Specialist prior to enrolling for another semester;
3. Students who have completed 30 semester credit hours and not visited with an advisor. **All students must see an advisor at the completion of 30 semester hours to plan completion of degree requirements or goals.**
4. Students who are currently in high school.
5. Students who are not TSI (p. 40) complete.

Registration by Academic and Workforce Advising

Who Must See an Advisor Prior to Registering Online?

TVCC believes that all students benefit from academic advising; however, they have the opportunity to self-enroll and register through their MyCardinalConnect portal if they meet the eligibility criteria under “Who is eligible to register online through MyCardinalConnect”.

Otherwise, students must see an advisor before they are allowed to register online if they:

1. Are first-time college students (including students who were previously dual credit students but are now at TVCC as full or part-time students);
2. Are not TSI (Texas Success Initiative) (p. 48) complete in one or more areas
3. Need to have transfer credits applied from another institution;
4. Are on academic probation (p. 193);
5. Have completed 30 semester hours of college credit.

TUITION AND FEES

Financial Obligations

Financial responsibility applies to all financial transactions that may result from enrollment at the College during the semester and academic year. Financial obligations include tuition, fees, living expenses, and other additional fees. The term "financial obligations" shall include the return of all properties of the college on student assignment; for example library books, athletic equipment, technology equipment, or uniforms.

Payment Deadlines

Payment deadlines are posted in the Payment Deadlines section under General Information. Payment or payment arrangements not received by payment deadlines will result in the student being dropped for non-payment. If expenses exceed any financial aid awarded to the student, the student is obligated to pay the balance of the account. In the event a student registers for future term(s) because current semester charges are not past due, these current-term charges must be paid prior to the start date of any future term(s) to prevent dis-enrollment from those future terms(s). Students who do not pay, or make satisfactory arrangements to pay, all financial obligations will not be allowed to register for classes.

Billing Information

Billing information will be communicated to students through MyCardinalConnect student portal and the student's College e-mail account. The College accepts payment via student financial aid and third-party sponsorship, but the responsibility for payment remains with the student. It is the student's responsibility to keep track of their account balance and

any funding sources. If financial aid is not granted or if third-party sponsors do not pay within a reasonable period, the student is required to pay the full amount due.

Consequences of Withdrawing after Refund Period

Students withdrawing after the stated refund dates have passed remain liable for full tuition and fee charges. Failure to attend classes does not constitute an official drop or withdrawal. Students must drop or withdraw before the first day of the term in order to receive a full tuition refund. If a student fails to drop by posted deadlines in the academic calendar, the student is obligated to pay the balance of the account.

Consequences of Unpaid Balances

Any unpaid balance may be reported to a billing service and then to a collection agency retained by Trinity Valley Community College. If an unpaid balance has been reported to a collections agency retained by Trinity Valley Community College, the student will pay any collection and/or attorney fees associated with the collections effort, including, but not limited, to collection fees that are assessed as a percentage of the debt owed to Trinity Valley Community College.

Tuition and General Fees

Tuition and Fee Schedule

Tax-Paying District:

Tuition: \$39 per semester hour

General Fee: \$49 per semester hour, maximum of \$999

The following school districts are considered within the tax-paying district: Athens, Brownsboro, Crandall, Cross Roads, Eustace, Frankston, Kaufman, Kemp, LaPoynor, Mabank, Malakoff, Murchison, Scurry-Rosser, Terrell and Trinidad

Branch Campus Tax-Paying District:

Tuition: \$39 per semester hour

General Fee: \$49 per semester hour, maximum of \$999

Out of District Palestine ISD Fee: \$22 per semester hour

The following school districts are considered within the branch campus tax-paying district: Palestine

Out of Tax-Paying District:

Tuition: \$39 per semester hour

General Fee: \$49 per semester hour, maximum of \$999

Out-of-District Fee: \$76 per semester hour, maximum of \$999

Non-Resident:

Tuition: \$150 per semester hour

General Fee: \$49 per semester hour, maximum of \$999

Hours	Regular Tax-Paying District	Branch Campus Tax-Paying District	Out of Tax-Paying District	Non-Resident
1	\$88	\$110	\$164	\$199
2	\$176	\$220	\$328	\$398
3	\$264	\$330	\$492	\$597
4	\$352	\$440	\$656	\$796
5	\$440	\$550	\$820	\$995
6	\$528	\$660	\$984	\$1194
7	\$616	\$770	\$1148	\$1393
8	\$704	\$880	\$1312	\$1592
9	\$792	\$990	\$1476	\$1791
10	\$880	\$1100	\$1640	\$1990
11	\$968	\$1210	\$1804	\$2189
12	\$1056	\$1320	\$1968	\$2388
13	\$1144	\$1430	\$2132	\$2587
14	\$1232	\$1540	\$2231	\$2786
15	\$1320	\$1650	\$2319	\$2985
16	\$1408	\$1760	\$2407	\$3184
17	\$1496	\$1870	\$2495	\$3383
18	\$1584	\$1980	\$2583	\$3582
19	\$1672	\$2090	\$2671	\$3781
20	\$1760	\$2200	\$2759	\$3980
21	\$1818	\$2280	\$2817	\$4149
22	\$1857	\$2341	\$2856	\$4299

The above charges include the statutory tuition and all required fees except those specific to courses. To be eligible for in-state tuition rates, an individual must provide proof of Texas residency for the year prior to enrollment. To be eligible for in-district tuition rates, an individual must be a Texas resident and have lived in the TVCC tax district for the six months prior to enrollment.

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TVCC's general fee is collected to cover the costs related to serving TVCC students outside of the classroom. Specifically, the general fee supports student life, learning resource services, facilities and technology resources, enrollment and advising services, and campus security.

NOTE: tuition refunds will be adjusted based on posted tuition and fee refund schedule above and apply beginning day one of a semester

State law requires Trinity Valley Community College to set aside a portion of every students' tuition to fund assistance for qualifying students. Authority for these mandatory set-asides is found in Texas Education Code, Sections 56.011, 56.012, and 56.465.

Additional Fees

- \$40 internet fee for each distance learning course
- \$100 reinstatement fee for students reinstated after the official census date
- \$117 per credit hour fee for courses taken the third time and each time thereafter (Non-funded Course Fee)
- \$25 payment plan fee if tuition and fees are paid using the college's installment payment plan; a down payment may be required for a student to enter into a payment plan
- \$35 standard lab fee. Some designated individual courses with labs contain fees higher than \$35. Refer to the course descriptions in this catalog for these standard and designated lab fees

Living Expenses

For current living expenses information, [click here](#). Rates may change without notice.

Refund Timeline and Process

Tuition Refund Policy

For the purpose of the refund policy, a class day is defined as a day during which college classes are conducted. Class days are computed beginning the first day of classes for the term, not according to the number of times a particular class has met. **It is the student's responsibility to drop courses.**

Students enrolled in semester credit hour courses who officially withdraw or drop their semester credit hour load at Trinity Valley Community College shall have tuition and mandatory fees refunded according to the following schedule. (Refer to Academic Calendar (p. 18) for semester length)

Fall or Spring Semester (16 week)

- Prior to the first class day: 100%
- Day 1-15: 70%
- Day 16-20: 25%
- Thereafter: None

Fall or Spring Semester (8-week)

- Prior to the first class day: 100%
- Day 1-8: 70%
- Day 9-10: 25%
- Thereafter: None

Summer Semester (12-week)

- Prior to the first class day: 100%
- Day 1-12: 70%
- Day 13-15: 25%
- Thereafter: None

Summer Semester (6-week)

- Prior to the first class day: 100%
- Day 1-5: 70%
- Day 6-7: 25%
- Thereafter: None

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Refunds for courses with unique scheduling will be processed according to the table below:

Date		Refund %
Prior to the first class day of the term		100%

Length of Term in Weeks	Last day for 70% refund	Last day for 25% refund
2 or less	2	N/A
3	3	4
4	4	5
5	5	6
6	5	7
7	7	9
8	8	10
9	9	11
10	9	12
11	10	14
12	12	15
13	13	16
14	13	17
15	14	19
16 or longer	15	20

Refund of tuition is subject to change by legislative and/or TVCC Board of Trustees action without notice.

- Based on the Refund Schedule, credit balances are automatically reflected on the student's account upon withdrawal or course cancellation.
- Refunds will be made to the debit/credit card used for payment if the refund is processed within 180 days of the original date of payment.
- Refunds for cash, check, ACH, debit/credit after 180 days of the original payment, will be processed using the student's preferred refund method selected with the contracted third-party refunding company.
- IMPORTANT NOTE: Financial Aid students withdrawing before the 60 percent refund point in the term may be required to repay funds unearned due to requirements for the return of Title IV funds.
- Refunds are calculated/based on invoiced amounts, not payments made.

- STUDENTS WHO HAVE OPTED FOR THE INSTALLMENT PAYMENT PLAN AND ARE DROPPING CLASSES AND/OR WITHDRAWING ARE RESPONSIBLE FOR THE FULL PAYMENT OF THE PROMISSORY NOTE. **REFUNDS WILL BE APPLIED TO ANY BALANCE DUE ON THE NOTE.**
- Students must be cautioned that there will be at least a 30 percent penalty for partial and/or complete withdrawals after term begins.

Tuition Refund Policy Appeal Process

Students may request a review of their refund eligibility through the end of the next long semester for which the refund is requested. Students who meet the Tuition Refund Request Guidelines may complete and submit the Tuition Appeal Form found on the TVCC website.

FINANCIAL AID

The financial aid program at Trinity Valley Community College is designed to provide federal and state financial aid through scholarships, grants, loans and on-campus employment.

The Free Application for Federal Student Aid (FAFSA) is available on the Federal Student Aid website the first weekday on or after **October 1** for awards to be made for use during the following school year. The FAFSA application is used to determine eligibility for both state and federal grants, loans, and work study programs. Students are encouraged to apply for financial aid (FAFSA) as soon as possible after the opening date of **October 1**, since funding for some of the programs are limited. Trinity Valley Community College's **school code is 003572**.

The priority processing deadline for Financial Aid is:

- **July 1** for the fall semester,
- **November 1** for the spring semester
- **April 1** for the summer semester.

To meet this deadline, you should have your FAFSA application (with TVCC school code-003572), your TVCC Admission's application, and all necessary items submitted to complete your financial aid and admissions file. Further information concerning deadline dates and consideration of applicants can be obtained online on the TVCC Financial Aid website.

***A student's financial aid will not be processed until there is a completed Admissions application and all required items have been submitted to the Admission's Office.**

NOTE: The FAFSA application for 2024-2025 school year is not available until after January 15, 2024.

Financial Aid Policies

***For a complete list of all financial aid policies, please review our TVCC Financial Aid Handbook.

Return of Title IV Regulations

Federal regulations [HEA Section 484B, 485 (a)(1)(F), 34 CFR 668.22] require TVCC to calculate a refund and repayment of federal aid received by students who terminate enrollment prior to the 60% point of a semester for which financial aid funds have been disbursed to a student's account. The Financial Aid office will calculate Return of Title IV refunds every 30 days up through the 60% point of the semester.

NOTE: Students who fail to earn a passing grade due to ceasing attendance prior to the 60% point will be considered an "unofficial" complete withdrawal and will be subject to Return of Title IV Regulations.

Students who completely withdraw prior to the 60% point in the semester are subject to a refund calculation based on the period of enrollment completed. This percentage is computed by dividing the total number of calendar days in the term into the number of calendar days completed as of the date of the official withdrawal. The percentage of Title IV assistance to which the student is entitled (has "earned") is equal to this "completed" percentage, up to 60%. If the withdrawal occurs after the 60% point, the percentage is equal to 100%.

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The amount of Title IV aid which must be returned is based on the percentage of “unearned” aid. That percentage is computed by subtracting earned aid from 100%. Trinity Valley is required to return the lesser of...

1. the unearned aid percentage applied to the institutional charges OR
2. the unearned aid percentage applied to the total Title IV aid received....within 30 days of the date of determination of the withdrawal.

According to federal regulations, refunds must be credited back to the federal programs in this order:

1. Federal Unsubsidized Direct Loan
2. Federal Subsidized Direct Loan
3. Federal Parent (Plus) Loan
4. Federal Pell Grant
5. Federal SEOG
6. Other Title IV Programs
7. Other Federal, State, Private or Institutional Assistance.

TVCC will return all unearned funds back to the federal aid programs affected and the student is responsible for any balance this creates at the college.

Federal regulations allows colleges and universities to charge a student for any amount paid on the student's behalf. TVCC considers a student responsible for reimbursement of any expenditures made on his or her behalf.

Effective Spring 2022:

If your financial aid has not been processed 2 weeks prior to the first day of class, you must enroll in an installment plan or pay your balance in full to avoid having your classes being dropped. Please make sure you have access to your MyCardinalConnect to receive all updates and important messages. No exceptions will be made.

Effective Fall 2024:

Students reported by instructors as never attending classes at census date, will be dropped from that particular class. Your financial aid will be removed for the class marked as never attending and your financial aid will be recalculated accordingly.

Overpayments to Students

If a Return of Title IV calculation determines that a student owes money to the Department of Education, that student is considered to have received an overpayment. The student will be sent a letter notifying them of the balance they owe. They will be given 45 days to repay the debt to Trinity Valley Community College. Any unpaid accounts will be turned over to the Department of Education Collections at the following:

U.S. Department of Education
Student financial Assistance Programs
P. O. Box 4222
Iowa City, Iowa 52245
1-800-621-3115
DCS_HELP@ed.gov

Any student considered to have received an overpayment is not eligible for federal financial aid at any institution until the overpayment is resolved. The overpayment may be resolved by being paid in full to Trinity Valley Community College. It can also be resolved by contacting the Department of Education IF the account has been referred for collection. The student must pay the account in full or make payment arrangements with the Department of Education at the address listed above.

Satisfactory Academic Progress

TVCC is required by law to formulate standards to measure a student's progress toward completion of a program of study while receiving financial assistance through federal, state, or institutional student aid programs by applying both qualitative and quantitative measurements to academic work (34 CFR 668.34). To comply with applicable laws and accreditation standards, TVCC has developed a policy describing Satisfactory Academic Progress (SAP) for both applicants and recipients of student financial aid.

The following SAP policy measurements become effective July 1, 2019. These measurements shall be used to determine student eligibility for all need-based and federal Title IV financial assistance, unless the terms of a particular grant or funding source state otherwise. All current and returning students, after a lapse of one semester or longer, will be re-evaluated under the current SAP policy. Satisfactory Academic Progress is measured at the end of each payment period of enrollment. Some financial aid programs

have specific requirements. In those instances, the program requirements will supersede the general SAP policy stated here.

Each financial aid applicant must select a primary program of study with TVCC Advising prior to receiving financial aid payments. A student can receive a retroactive financial aid payment for a prior term within the payment period only if he or she had a program of study selected or a degree program through Advising for that particular payment period of enrollment and are still currently enrolled for the school year. Students may not be allowed financial aid funding for multiple program changes for the purpose of extending financial aid eligibility. All previously repeated college-level courses will be counted in the Satisfactory Academic Progress calculations.

Transfer students must submit official transcripts from all previous colleges attended. If you have an unevaluated transcript with a print date that is more than three years old, you must submit a new one for evaluation.

Regulations for federal, state, and institutional aid require that students make satisfactory academic progress (SAP) to receive financial aid funding. These requirements take into consideration not only grades and hours but also a cumulative timeframe to receive Title IV student financial aid. This policy applies to all students at Trinity Valley Community College receiving financial aid from the programs identified below. All standards must be met for SAP to be maintained. If a student is applying for federal assistance, SAP will be analyzed and determined, even for periods of enrollment where federal assistance was not received.

Effective Spring 2022:

If your financial aid has not been processed or your SAP Appeal has not been reviewed 2 weeks prior to the first day of class, please enroll in an installment plan, pay your balance in full or drop your classes prior to the first day of class so that you are not charged for them. Please make sure you have access to your MyCardinalConnect to receive all updates and important messages. No exceptions will be made.

Effective Summer 2022:

SAP appeals will not be reviewed to determine fall eligibility (after summer courses are completed) until the fall census date. If you are placed on financial aid suspension, please enroll in an installment plan, pay your balance in full or drop your classes prior to the first day of class so that you are not charged for them. Please make sure you have access to your MyCardinalConnect to receive all updates and important messages. No exceptions will be made.

PELL, SEOG, DIRECT STUDENT LOANS, Direct PARENT Loans, WORK STUDY, TPEG, Institutional Scholarships, STATE OF TEXAS EXEMPTIONS

Students must meet SAP standards in order to receive financial aid listed above.

Exception: Hazelwood Act Waiver for spouses and children of service members killed in action, missing in action, or deceased from a service-related injury or illness. Please contact The TVCC Veterans Office for assistance or send an email to veterans@TVCC.edu

Foster Care and Adoption Exemptions may also be exempt from SAP requirements.

Measurement 1: Qualitative Progress

A cumulative grade point average (GPA) of 2.00 on a 4.00 scale or higher must be attained by the end of the student's first semester of enrollment at TVCC. This average must be maintained at the end of each subsequent semester for a student to continue to receive financial aid. Students who do not meet this minimum CGPA requirement will be placed on Financial Aid Warning for one payment period of enrollment. If a GPA of 2.00 on a 4.00 scale or higher is not reached by the end of the warning period, the student will be placed on Financial Aid Suspension.

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Measurement 2a: Quantitative Progress (Pace of Progress 67%)

To avoid exceeding the maximum timeframe required to complete a program of study using financial aid, students are expected to maintain a specific completion rate that is known as the “pace of progress.” At the end of each period of enrollment, students must have a cumulative passing rate of at least 67% of all classes attempted. Grades of W, WX, E, F and I will be counted as hours attempted but will not be counted as hours successfully passed. Repeating a course will be counted in the completion rate and against the overall maximum timeframe required to complete the program of study. With the exception of those students who exceed the maximum timeframe, students who do not maintain the minimum 67% pace of progress will be placed on Financial Aid Warning for one period of enrollment. If a 67% cumulative pace of progress is not reached by the end of the warning period, the student will be placed on Financial Aid Suspension.

Measurement 2b: Quantitative Progress (Maximum Timeframe 150%)

A student may apply for and, if eligible, receive financial aid for attempted credit hours that do not exceed 150% of the minimum number of hours required to complete the student's primary program of study. **All hours attempted toward the completion of a program of study will be counted regardless of whether financial aid was received or not.** Credit hours transferred to TVCC are counted when calculating the 150% maximum timeframe. Once SAP is calculated, students who have attempted 150% of the minimum number of credit hours needed to complete their primary program of study will be placed on Financial Aid Suspension. Students who are placed on Financial Aid Suspension may have exhausted their financial aid eligibility to complete the program and may not receive financial aid benefits to complete their primary program of study.

Examples:

1. For a student completing an associate degree program that requires 60 hours, the student must complete the degree within 90 attempted hours. The student will lose eligibility for additional financial aid to complete the program after 90 attempted hours.
2. For a student completing a certificate program that requires 32 hours, the student must complete the certificate within 48 attempted hours. The student will lose eligibility for additional financial aid to complete the program after 48 attempted hours.

*Financial attempted hours include all courses listed on a student's transcript, counting other institutions attended, including classes with grades of W, F, FD, I, IP, repeated courses, and college preparatory courses.

TEOG SATISFACTORY ACADEMIC PROGRESS

Students must maintain the following requirements in order to maintain financial aid eligibility and avoid suspension consequences:

- Initial and First year students must meet TVCC's SAP Policy
- Second year
 - Must maintain a cumulative GPA of 2.5.
 - Must maintain a 75% completion rate of all attempted* hours.

*Financial attempted hours include all courses listed on a student's transcript, counting other institutions attended, including classes with grades of W, F, D, I, IP, repeated courses, and college preparatory courses.

Each recipient's maximum timeframe must be monitored to ensure compliance. The maximum timeframe for receiving the grant is the first of:

- 4 years from the start of the semester in which the student received the first award through the program;
- 75 Semester Credit Hours (SCH's) attempted while receiving the grant; or
- Completion of an associate degree or a bachelor's degree.

Beginning with awards for the 2015-2016 academic year, a student's eligibility for TEOG ends once he or she has attempted 75 SCH's or the equivalent, unless the student is granted a hardship extension.

Financial Aid Warning and Suspension

FINANCIAL AID WARNING

Financial Aid Warning is a status assigned to students who were previously meeting Satisfactory Academic Progress (SAP) policy standards, but who do not, now, meet those criteria. Financial Aid Warning is an alert to inform you that if the SAP policy standards are not met during the warning semester, you will no longer be eligible for future financial aid. You can receive financial aid while on Financial Aid Warning.

The SAP status is checked at the end of each semester, including summer. At the end of your Financial Aid Warning semester, your SAP status will be re-evaluated to determine if the requirements of the SAP policy have been met. You must be meeting the SAP policy requirements to continue to receive financial aid. Otherwise, you will be placed on Financial Aid Suspension and will not be eligible to receive financial aid. If the overall SAP policy requirements are met at the end of the warning semester, your SAP status will be updated to making satisfactory academic progress.

FINANCIAL AID SUSPENSION

Financial Aid Suspension is a status assigned to students who fail to meet the minimum SAP policy requirements. In this case, financial aid will be suspended until minimum standards are met or until a student's appeal is approved. Students are placed on suspension for failing to meet one or more of the above listed criteria. Students cannot receive financial aid while on suspension, and students will be responsible for all payment of tuition/fees without the assistance of financial aid.

Students on Financial Aid Suspension due to exceeding the maximum timeframe, are no longer eligible to receive financial aid. Federal regulations also state that students become ineligible for financial aid whenever it becomes mathematically impossible to complete a degree program within the maximum time frame available for financial aid. In these scenarios, students can only regain eligibility for aid when a student appeal is approved.

SATISFACTORY ACADEMIC PROGRESS APPEAL

Students placed on financial aid suspension due to lack of SAP may appeal the denial of financial aid if they have DOCUMENTED EXTENUATING CIRCUMSTANCES. Students must complete an "Appeal Form – SAP" and submit it along with required documentation regarding their situation to the Financial Aid Office. All required documentation must be submitted with the appeal.

If an appeal is approved for financial aid reinstatement, students will be placed on financial aid probation and will receive only one probationary period of aid. Students then must meet all SAP requirements at the end of the semester to continue to receive financial aid. If students do not meet the terms of probation, eligibility for financial aid will cease, all remaining aid will be cancelled and SAP status will be updated to Appeal Terminated. Once a student loses eligibility after an approved appeal, they may submit another appeal (if they have met satisfactory progress within the approved term), or they are able to make up the deficiencies that placed them on suspension to meet SAP requirements.

Once a student reaches the 150% maximum timeframe, an appeal of the student's current primary program of study will be evaluated, one time only, for additional program hours. Once a student has an evaluation of program hours in one discipline, they may not switch disciplines to garner additional aid eligibility. Only current Trinity Valley students are eligible to apply for a one-time 150% maximum timeframe appeal.

If the appeal is approved, the student must sign an Academic Contract. The student will be allowed financial aid for the remainder of the program as long as the guidelines of the contract are met. If student is currently enrolled, the approval will be for the current semester.

Many financial aid suspensions have an appeal deadline. Please visit the Financial Aid webpage for appeal deadlines. Students who miss the appeal deadline will have to regain eligibility by making up their deficit through means other than financial aid. To make up a deficit students must satisfactorily complete enough classes at TVCC to improve their Pace and/or GPA to the required level. Students can request a re-evaluation of financial aid once their Pace rate is 67% or higher and they have a current and cumulative GPA of at least 2.0.

More SAP information can be found on TVCC's Financial Aid webpage SAP information.

Regaining Eligibility

1. A student who loses eligibility for federal aid because they did not meet the pace of progress requirement must complete, at their own expense, classes until their pace has reached 67%. They must also have a cumulative GPA of a 2.0 or better.
2. A student who loses eligibility because they did not meet the GPA requirement must bring their cumulative GPA up to 2.0, at their own expense, before regaining eligibility. They must also have a pace rate of 67% or better.

Students are responsible for notifying the Financial Aid Office when they believe they have met the requirements to regain eligibility for Title IV assistance. Summers semesters may be used to regain eligibility between Spring and Fall Semesters.

Grant, Exemptions and Employment

Grants

The various grants that are available at TVCC are explained below. Grants, whose funding is limited to a set government allocation, are awarded to student on first come, first awarded, greatest need, and eligible basis until the allocation is exhausted. Certain grants have additional requirements that must be met. **Grants are gift aid and do not have to be paid back.**

Federal Pell Grant (Pell)

The Federal Pell Grant is designed to provide financial assistance to undergraduate students. It is considered the “foundation” of the financial aid award and may be combined with other forms of aid to help meet the costs of education. The award amount ranges from \$750-7395 and are based on the enrollment level, cost of education, and the Student Aid Index (SAI).

Pell Grants are awarded at full time amounts, once a student registers for class. The amount is prorated to match the students current enrollment. The awarded amount is frozen on the Census Date for the semester. Pell is prorated based on enrollment intensity at the following enrollment levels:

12 (or more) hours = 100% of PELL awarded

11 hours= 92% of PELL awarded

10 hours= 83% of PELL awarded

9 hours= 75% of PELL awarded

8 hours= 67% of PELL awarded

7 hours= 58% of PELL awarded

6 hours= 50% of PELL awarded

5 hours= 42% of PELL awarded

4 hours= 33% of PELL awarded

3 hours= 25% of PELL awarded

2 hours= 17% of PELL awarded

1 hour= 8% of PELL awarded

*Note: A student whose SAI is higher may not have Pell disbursed if not enrolled full-time.

Federal law limits the amount of Federal Pell Grant funds a student may receive over his or her lifetime to the equivalent of 6 years. Since the maximum amount of Pell Grant funding a student can receive, each year is equal to 100%. The six-year equivalent is 600%. Students who have received their maximum amount of Pell funding will not be awarded Pell. Students who are close to their maximum amount of Pell funding, will be awarded appropriately and monitored closely to ensure they are only awarded up to their 600%. FAFSA will notify students of being at or near the limit on their Student Aid Report.

More information in regards to Financial Aid can be found at <https://www.TVCC.edu/Financial-Aid/?d=204>.

Supplemental Educational Opportunity Grant (SEOG)

This federal grant assists students attending public institutions of higher education. To be eligible a student must have remaining financial need and be Pell eligible. Awards range from \$100-\$1000 annually. The amount is prorated to match the students current enrollment and student must be enrolled in a minimum of 6 credit hours each semester for this grant to disburse.

Texas Public Educational Grant (TPEG)

TPEG funding is subject to government allocation. This state grant assists students attending public institutions of higher education. To be eligible, a student must have remaining financial need and a Pell eligible SAI. TASFA students (non-citizens) must have a filed a FAFSA or TASFA to be awarded.

Texas Education Opportunity Grant (TEOG)

Recipients of this grant must be a Texas resident, not been convicted of a felony or crime involving a controlled substance, have an SAI that falls within the range specified by the Texas Higher Education Coordinating Board for the aid year. They must also demonstrate financial need, be registered for Selective Service or be exempt, and be enrolled in a minimum of 6 credit hours. For an initial award, students must have less than 30 attempted credit hours. For 2nd year TEOG awards, a student must have met the Satisfactory Academic Progress (SAP) of 2.5 cumulative GPA and successfully completed 75% of attempted hours.

Exemptions

Exemptions are a type of financial assistance allowing some Texas residents to attend a public college or university in Texas without paying tuition or, in some cases, tuition and fees. Contact the TVCC Financial Aid Office for more information about any of the exemptions listed below.

Exemption programs available to Texas residents are listed below. For detailed information about any exemption listed below, visit College for All Texans.

- Adopted Students formerly under the Conservatorship of the Texas Department of Family and Protective Services (TDFPS);
- Blind/Deaf Student Exemption Program;
- Children of Disabled or Deceased Firemen, Peace Officers, Game Wardens, and Employees of Correctional Institutions;
- Concurrent Enrollment Waiver;
- Exemption for Highest Ranking High School Graduate;
- Exemption for Peace Officers Disabled in the Line of Duty;
- Exemption for Peace Officers Enrolled in Law Enforcement or Criminal Justice Courses;
- Exemption for the Surviving Spouse and Minor Children of Certain Deceased Public Servants (Employees);
- Exemption Program for Children of Professional Nursing Program Faculty and Staff;
- Exemption Program for Clinical Preceptors and Their Children;
- Firefighters Taking Fire Science and Related Emergency Medical Services Courses;
- Hazlewood Exemption (for Texas Veterans);
- Military: Children of U.S. Military who are Missing in Action or Prisoners of War (MIA/POWs);
- Military: Orphans of Texas Members of the U.S. Armed Forces or National Guard;
- Tuition Exemption for Current or Former Foster Care Students under the Conservatorship of the Texas; Department of Family and Protective Services (TDFPS).

Employment

Many students work to earn part of their aid that covers their educational expenses while they are attending school. There are several programs at Trinity Valley that enable a student to work on campus. Students who are interested must fill out a student worker application in the Financial Aid Office. A list of student jobs available at TVCC is on the TVCC website. Serious applicants should inquire about student employment at TVCC offices for which they are interested in working. A list of jobs available on campus can be found under Work Study at <https://www.TVCC.edu/Financial-Aid/>.

Federal Work-Study Program (FWS)

The FWS Program is a federal campus-based aid program which provides part-time employment for students who have financial need. Students working in on-campus positions are paid minimum wage. All usually work 12–19 hours per week. The amount the student can earn in a year is determined by the amount of financial need after other aid is awarded. Students are paid on the 5th and 20th of each month. Trinity Valley is required to place seven percent (7%) of work-study funds toward community service employment. Federal work study awards are made during the first two weeks of each regular (fall and spring) term to students who acquire a position. A student must meet Satisfactory Academic Progress (SAP) standards in order to continue to participate in the federal work-study program.

Texas College Work-Study Program (TWS)

The TWS program is a state aid program that provides jobs to students who have financial need. Students are paid minimum wage and usually work 12–19 hours per week on campus. Students are paid on the 5th and 20th of each month. A student must meet Satisfactory Academic Progress (SAP) standards in order to continue to participate in the Texas work-study program.

Institutional Work Study Program

The Institutional Work Study Program is a part time employment program for TVCC students. Students do not have to show financial need to work under this program. The program offers part time jobs in various offices on campus. Students are paid minimum wage and work no more than 19 hours per week. Paychecks are distributed on the 5th and 20th of each month.

Loans

Federal Direct Student Loans

Student loans, unlike grants and work-study, are borrowed money that **must be repaid**, with interest. You cannot have these loans canceled because you didn't get a job in your field of study or due to financial difficulty.

Direct Loans are low-interest loans for students and parents to help pay for the cost of a student's education after high school. All loan funds are provided by the Department of Education through Direct Loan Program, though the entity you deal with, your loan servicer, can be a private business.

Loans are legal obligations, so before you take out a student loan, think about the amount you'll have to repay over the years. A loan calculator may help you to plan for your loan repayment.

Subsidized Federal Direct Loan

The Subsidized Loan is awarded to undergraduate and graduate students on the basis of financial need determined by the Free Application for Federal Student Aid (FAFSA). The federal government provides the funds for this loan. The federal government pays the interest on this loan until you begin repayment. Repayment of this loan will begin six months after you graduate, totally withdraw, or drop below half-time enrollment (6 hours). For current interest rates, please visit <https://studentaid.gov/>.

Unsubsidized Federal Direct Loan

The Unsubsidized Loan Program was created by the government to assure that all students, regardless of their income, would be able to obtain a student loan. The federal government does not pay the interest while you are in school. Interest will be charged from the time the loan is disbursed until it is repaid in full. If you decide to capitalize or defer the interest, it will be added to the principle amount of your loan and this will increase the amount you have to repay. If you choose the option of paying the interest as it accumulates, then you will pay less in the long run. Repayment of the interest and principle will begin six months after you graduate, totally withdraw, or drop below half-time enrollment (6 hours). For current interest rates, please visit <https://studentaid.gov/>.

Terms of the Loan:

1. Monthly payments begin 180 days after the student is no longer enrolled at least half-time.
2. The minimum payment will be \$50 per month. The payment could be larger, depending on the size of the loan debt.
3. The Direct Loan Program charges an origination fee.

All students that accept loans must complete Entrance Loan Counseling and a Master Promissory Note. The purpose of Entrance Counseling is to provide students with important information regarding their rights and responsibilities as a student loan borrower, managing their education expenses, and other financial resources. It is completed online at www.studentaid.gov and takes approximately 30 minutes to complete. The Master Promissory Note (MPN) is a legal document in which the student promises to repay their loan(s) and any accrued interest and fees to the US Department of Education. It also explains the terms and conditions of Direct Loan(s). The entire MPN process must be completed in a single session. You complete your MPN online at www.studentloans.gov.

Loan facts that you should know:

1. Student must be enrolled in half time hours to be eligible for disbursement. If student drops below half time hours, prior to disbursement the loan will NOT disburse.
2. Loan funds are disbursed in two installments. Students indicating, they will be attending for the Fall and Spring usually have one disbursement in the Fall and the other in the Spring. Loan awards for only one semester will be disbursed in two installments: one early in the semester, and the other midway through the semester. All Summer loans are also disbursed in two installments.
3. Students considered first-time borrowers will have their initial loan disbursement delayed until thirty (30) days after the first official class day.
4. Students who have received loans must complete EXIT LOAN COUNSELING, and the grace period will begin, if the following occurs; student withdraws, student drops below half time hours, graduates, or does not return for subsequent semester.

Maximum Loan Amounts

Trinity Valley Community College does not make loan awards at higher than a sophomore level regardless of how many credit hours have been earned.

Dependent Undergraduate:

\$5,500 Freshman, only \$3,500 may be subsidized.

\$6,500 Sophomore, only \$4,500 may be subsidized.

\$7,500 Junior and Senior, only \$5,500 may be subsidized (Available only for students in the Bachelor of Science in Nursing)

Dependent Undergraduate – parent was denied a Parent PLUS loan:

\$9,500 Freshman, only \$3,500 may be subsidized.

\$10,500 Sophomore, only \$4,500 may be subsidized.

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Independent Undergraduate:

\$9,500 Freshman, only \$3,500 may be subsidized.

\$10,500 Sophomore, only \$4,500 may be subsidized.

\$12,500 Junior and Senior, \$5500 may be subsidized (Available only for students in the Bachelor of Science in Nursing)

Subsidized Usage Limit

A legislative change effective July 1, 2013, further emphasized program completion for financial aid recipients. This change affects the borrower's access to Direct Subsidized Loans if the student does not complete his or her educational program in a timely fashion. Students are allowed subsidized loans for 150% of the published period for the program of study. If the student is enrolled in a 2-year associate degree program, the maximum period for which a Direct Subsidized Loan is potentially available is 3 years (150% of 2 years = 3 years). **Changing programs of student does not restart the clock. Time already used is subtracted from maximum time allowed.** Students later seeking a four-year degree must subtract eligibility already used from the new 6-year limit (for a four-year degree), as well. The student who reaches the 150% limitation, whether seeking a certificate or two-year or four-year degree, could continue to receive unsubsidized loans if he or she is otherwise eligible (for example, meeting satisfactory academic progress requirements). The limitation affects those considered new borrowers on or after July 1, 2013. New borrowers are students with no outstanding loans. Consequently, the 150% limit would include only periods of borrowing that began on or after July 1, 2013. When a borrower has reached the 150 percent limitation, his or her eligibility for an interest subsidy also ends for all outstanding subsidized loans, if he/she did not complete the program of study within the 150%-time frame and borrows again. At that point, interest on those previously borrowed loans would begin to accrue and would be payable in the same manner as interest on unsubsidized loans. In addition, enrollment level may influence the calculation of the time frame used. In most cases, a part-time student (6 credits of enrollment) who borrows the full amount of the Direct Subsidized Loan during a period of enrollment that covers a full academic year would have used one-half of a year against the maximum eligibility period. Students borrowing the annual amount in a period less than an academic year are, on the other hand, charged a full year against the 150%.

Effective August 13, 2021

The subsidized usage loan limit restriction (SULA) is removed for any borrower who receives a Federal Direct Stafford Subsidized Loan first disbursed on or after July 1, 2021, regardless of the award year associated with the loan. In addition, all subsidy benefits will be reinstated retroactively to the date on which the loss of subsidy was applied for all Federal Direct Stafford Subsidized Loans with an outstanding balance on July 1, 2021, and for all award years since the 2013-2014 award year.

*For your loan funds to be disbursed, you **MUST** sign a **MASTER PROMISSORY NOTE (MPN)** and complete **ENTRANCE COUNSELING** for an **Undergraduate student**.

Federal Parent Loans for Undergraduate Students (PLUS)

Parents of a dependent undergraduate student may borrow funds under this loan program on behalf of the student. Parents can borrow up to the cost of education minus other financial aid the student receives. Parents must have a good credit history to qualify. For current interest rates, please visit <https://studentaid.gov/>. Payments begin within sixty (60) days from the date of final disbursement, with a \$50 minimum payment per month. The parent borrower may prepay the whole or any part of the loan at any time without penalty OR may defer payments of the principal if the student is attending school full-time. Please note that although the principal may be deferred, the interest continues to accrue or must be paid.

Parents must complete a separate application at <https://studentaid.gov/>. Once approval notification is received by Financial Aid Office, the PLUS loan award is made, and the parent must complete a Master Promissory Note. Refunds of the PLUS loan will be disbursed to the student unless otherwise specified by the parent. Refunds to the parent are processed as a paper check by the Business Office. If a parent is denied the PLUS loan, the student will have their unsubsidized loan increased up to an additional \$4,000.

Exit Loan Counseling

Exit Counseling provides loan repayment, grace period, and billing options information, and collects updated borrower information as required by the federal government. Prior to graduating, leaving the college, or dropping below half-time, federal loan borrowers are required to complete exit counseling. Exit counseling is a mandatory requirement due to federal law and a condition of receiving a federally funded student loan. This is a mandated requirement whether or not you are still attending classes at TVCC. Exit Counseling will take approximately 30 minutes to complete and is completed online www.studentaid.gov.

Repayment

Repayment of student loans begins after you graduate, leave school, or drop below half-time enrollment. Each loan receives a one-time, six-month grace period. During this time, students will receive repayment information from their loan servicer and will be notified when their first payment is due. Payments are usually monthly with a minimum payment of \$50, however, payments may be larger depending on the size of each student's loan debt.

The Direct Loan Program offers several payment plans to fit the different needs of individual borrowers. Generally, students have 10 to 25 years to repay their student loans, depending on the repayment plan they chose. Contact your loan servicer if you are having trouble making payments on your loan or for more information on payment plans.

Loan Default and Consequences

1. The student's default will be reported to a credit bureau and affect the future ability to borrow.
2. The loan holder may institute legal action to force repayment of the loan.
3. The student will not be eligible to receive financial assistance from any Title IV Programs (including Federal Pell Grant, Federal SEOG, Federal Work-Study, Federal Perkins Loan, Federal Direct Stafford Loan, Federal PLUS loan) and state programs.
4. The student's eligibility for repayment options and benefits such as deferment and/or interest benefits will no longer be available.
5. The student's state and/or federal income tax refunds will be withheld.
6. The student's job wages will be garnished.
7. The student will be liable for all costs associated with the collection of the loan.

Scholarships

Scholarship types include: Board of Trustees, Athletic, Clubs, Departments, Performing, and TVCC Foundation.

Board Of Trustees

QUALIFICATIONS:

- Must rank in the Top 10% of his/her graduating class (High School is responsible for submitting list of qualified students to TVCC)
- Must reside in the TVCC tax district
- Must be full-time student (12 semester hours or more)
- Must maintain 3.0 GPA

DISCLAIMERS:

Available immediately following high school graduation, must be used within 3 years

Award is for \$600 per semester for 4 semesters

Applicable toward Fall, Spring, and Summer semesters

Covers tuition, fees, room, board, books

Athletic

- Must meet NJCAA eligibility requirements
- Available for Football, Women's Softball, Men's Basketball, Women's Basketball, Women's Volleyball, Women's Soccer, and E-Sports

Clubs

- Members of PTK
- Students who participate in the Student Senate

Departments

Academic scholarships are available. View a list on the Scholarships webpage.

Performing

- Band
- Cardettes
- Cardette Escorts
- Cheerleaders
- Choral Music
- Drama

TVCC Foundation

- Foundation Scholarships are available for all types of students.
- Contact Emily Heglund (emily.heglund@TVCC.edu), Executive Director - TVCC Foundation, (903) 670-2620 or the Foundation Scholarship page for more information.

Requirements

All students who attend Trinity Valley Community College and receive TVCC departmental, foundation or donor scholarships must meet satisfactory academic progress (SAP) requirements. There are three standards of measurement for SAP for scholarships:

1. Current and cumulative grade point average (GPA) must be at least 2.0, unless noted otherwise in this catalog, and
2. A minimum of 12 semester hours must be successfully completed.
3. Attempted credit hours cannot exceed 150% of the published length of primary degree program

If a student falls short of these standards in any semester, the loss of scholarship will result. There is no warning semester for scholarships. **Most scholarships require that a student have a FAFSA (Free Application for Federal Student Aid) on file at TVCC, to determine need. The FAFSA application can be found at www.studentaid.gov. TVCC school code is 003572.**

Eligibility and Application Process

Scholarships assist students with their educational expenses. In general, scholarships are categorized as gift aid, meaning they do not have to be repaid. TVCC offers several scholarships. Entities outside of TVCC also offer numerous scholarship opportunities.

Some scholarships are renewable, but please note that you must re-apply for many of the scholarships each semester.

You can apply for any of the available scholarships. You can even apply for more than one scholarship using the same application. Scholarship applications require an essay from the student, two letters of recommendation, and a copy of your high school transcript (even if you have already turned it in to another department of the college) and college transcripts from other schools attended.

Available Scholarships

Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Board of Trustees Scholarship	Director of Financial Aid	Open, but requested by April 15	N/A
	Additional Requirements		Renewal Criteria
	1. Rank in top 10% of graduation class 2. Resident of tax district 3. Available immediately following high school graduation. 4. Available for summer terms.		1. Maintain 3.0 GPA and full-time status 2. Award is for an amount covering tuition/fees/room/board/textbooks for up to \$600 per semester for up to four semesters within 3 years of high school graduation.
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Athletic (men's & women's basketball, softball, volleyball & football)	Director of Athletics	Open	Interview and try-out
	Additional Requirements		Renewal Criteria
	N/A		Meet NJCAA eligibility requirements
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Accounting, Business and Office Occupations, and Computer Science	Chairperson, Business & Marketing Div.	April 15	N/A
	Additional Requirements		Renewal Criteria
	1. Submit letter stating qualifications and need 2. Submit two letters of recommendation, one of which should be from a business instructor		1. Maintain 3.0 GPA 2. Must reapply each semester
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Art	Chairperson, Fine Arts Div.	Open	Must submit portfolio
	Additional Requirements		Renewal Criteria
	N/A		1. Maintain 3.0 GPA 2. Must reapply each semester
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Criminal Justice	Chairperson, Career & Technology Div.	Open, but requested by April 15	N/A
	Additional Requirements		Renewal Criteria
	Declared criminal justice major		Maintain 2.0 GPA

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Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
English	Division Chairperson	April 15	Interview
	Additional Requirements		Renewal Criteria
	1. Submit essay to English division chairperson.		1. Maintain 3.0 GPA 2. Must reapply each semester
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Kinesiology Scholarship	Division Chairperson	Open	N/A
	Additional Requirements		Renewal Criteria
	N/A		1. Maintain 3.0 GPA and full time student status 2. Must reapply each semester
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Health Occupations Scholarship	HSC Counselor on Terrell HSC Campus	April 15	N/A
	Additional Requirements		Renewal Criteria
	Submit information stating qualifications and need; must have successfully completed first semester of health occupations program		Must reapply each semester.
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Ranch Management/Agriculture	Agriculture/Ranch Management Coordinator	April 15	Interview
	Additional Requirements		Renewal Criteria
	Submit information stating qualifications and need		1. Maintain 2.0 GPA and full-time student status 2. Must reapply each semester
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Math	Chairperson, Mathematics Division	April 15	N/A
	Additional Requirements		Renewal Criteria
	1. Submit information stating qualifications and need 2. Submit one letter of recommendation by high school official and one letter by science or math instructor		1. Maintain 2.0 2. Must reapply each semester

Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Science	Chairperson, Science Division	April 15	N/A
	Additional Requirements		Renewal Criteria
	1. Submit information stating qualifications and need 2. Submit one letter of recommendation by high school official and one letter by science or math instructor		1. Maintain 2.0 2. Must reapply each semester
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Luther T. Spurlock Social Science Department Scholarship	Chairperson, Social Science Division	Open	N/A
	Additional Requirements		Renewal Criteria
	1. Submit information stating qualifications and need 2. Submit one letter of recommendation by high school official and one letter by local science instructor		1. Maintain 2.0 2. Must reapply each semester
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
TDCJ Preservice Correctional Science	TDCJ/TVCC Preservice Enrollment Coordinator or AVP TDCJ Programs	N/A	N/A
	Additional Requirements		Renewal Criteria
	1. Declared major in criminal justice/correctional science, 2. Submit a signed letter explaining why you desire the scholarships requested include high school activities and honors, 3. Submit two (2) signed letters of recommendation and a copy of all transcripts (from high school, GED, other colleges, etc. as of date of application)		Maintain 2.0 GPA
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Dale Bryce Memorial	Director of Financial Aid	April 15	N/A
	Additional Requirements		Renewal Criteria
	Declared major in law enforcement (awarded for four consecutive long terms)		1. Must reapply each semester 2. Maintain 2.0 and full-time status
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
W.N. and Jane Enger Foundation	Director of Financial Aid	April 15	N/A

	Additional Requirements		Renewal Criteria
	Three letters of recommendation		Maintain full-time status (12 credits) and 2.5 GPA
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Henderson County Peace Officers Association	Criminal Justice Department	N/A	N/A
	Additional Requirements		Renewal Criteria
	1. Declared major in Criminal Justice 2. Submit application and essay		1. Resubmit application annually
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Murchison Foundation Dual Pathway Scholarship	Director of Dual Credit	April 15	N/A
	Additional Requirements		Renewal Criteria
	1. 11 th & 12 th grade high school students. 2. Submit Application and Essay 3. Two signed letters of recommendation		Named recipients who maintain a 2.0 TVCC grade point average and do not withdraw from any of their TVCC classes during the fall semester will be renewed for the spring semester.

Performing Scholarships

Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Band: Concert, Jazz, Marching	Band Director	Open, but requested by April 15	Interview and/or audition
	Additional Requirements		Renewal Criteria
	N/A		1. Maintain 2.0 GPA and full-time student status 2. Maintain 3.0 in all music classes 3. Satisfactory performance
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Cardettes	Cardette Director	Open, but requested by April 15	Try-out required
	Additional Requirements		Renewal Criteria
	Submit information stating qualifications and need		Maintain 2.0 GPA and full-time status
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Cardette Escort	Cardette Director	Open, but requested by April 15	Interview
	Additional Requirements		Renewal Criteria
	Submit information stating qualifications and need		Maintain 2.0 GPA and full-time student status
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Cheerleaders	Cheerleader Advisor	Open, but requested by April 1	Try-outs held in spring by May 1
	Additional Requirements		Renewal Criteria
	Men-strength. Women-weight comparable to height.		Maintain 2.0 GPA and full-time student status
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Lee Oliver Cheerleader Scholarship	Cheerleader Advisor	Open, but requested by April 1	Try-outs held in spring by May 1
	Additional Requirements		Renewal Criteria
	Men-strength. Women-weight comparable to height.		Maintain 2.0 GPA and full-time student status

Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Choral Music	Choral Director	Open, but requested by April 15	Audition
	Additional Requirements		Renewal Criteria
	N/A		Maintain 2.5 GPA and full-time student status
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Drama	Drama Director	Open, but requested by April 15	Interview
	Additional Requirements		Renewal Criteria
	Submit one letter of recommendation from most recent drama director		1. Maintain 2.0 GPA and full-time student status 2. Satisfactory performance
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Piano/Organ	Music Dept. Coordinator	Open, but requested by April 15	Audition
	Additional Requirements		Renewal Criteria
	N/A		1. Maintain a 2.5 GPA 2. Accompany two students for recitals 3. Full-time student status
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Music/Guitar	Music Coordinator	April 15	Interview and Tryout
	Additional Requirements		Renewal Criteria
	1. Declared music major with emphasis in classical guitar 2. Successful completion of one semester of private instruction 3. Register for two hours of private lessons and guitar ensemble		1. Be enrolled full-time with minimum GPA of 2.5 2. Must reapply each semester

Community Clubs and Organizations

Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Kiwanis Club Scholarship (Athens Noon)	Noon Kiwanis Club	Open	N/A
	Additional Requirements		Renewal Criteria
	Student chosen on basis of need and ability.		N/A
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Phi Theta Kappa	Advisor, Phi Theta Kappa	Open	Must be elected Officer of Phi Theta Kappa
	Additional Requirements		Renewal Criteria
	N/A		Maintain Phi Theta Kappa academic standards
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Red Bird Leader Scholar	Advisor, Red Bird Leader	Open	Member of Red Bird Leadership
	Additional Requirements		Renewal Criteria
	N/A		N/A
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Rotary Club Scholarship	High School Official	Open	N/A
	Additional Requirements		Renewal Criteria
	Student chosen on basis of need and ability.		N/A
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Rodeo	Rodeo Sponsor	April 15	Interview/Tryout TBA
	Additional Requirements		Renewal Criteria
	1. Must be active member of TVCC Rodeo Club 2. Must maintain NIRA membership, and participate in NIRA Rodeos		1. Maintain 2.0 GPA and full-time student status 2. Fulfill specific provisions of Scholarship Award contract
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Student Senate	Director, Student Activities	April 15	Must be elected by student vote
	Additional Requirements		Renewal Criteria
	Maintain 2.5 GPA and full-time student status.		N/A
Name of Scholarship	Contact for Information	Deadline for Submission	Interview for Tryouts
Pinnacle Women's Club Scholarship	Director, Financial Aid	April 15	Interview
	Additional Requirements		Renewal Criteria
	1. Health care major 2. Open to male and female 19 years or older		1. Maintain a 2.5 GPA 2. Fulfill specific provisions of Scholarship Award Contract

Veteran Affairs

Financial Aid Information for Veterans of the Armed Forces of the United States

Veterans benefit information can be found at www.va.gov/education.

Veterans with active military service, selected reservists and dependents of veterans may be eligible for federal payments of education benefits while attending Trinity Valley Community College. The veterans affairs officer is responsible for assuring the proper handling of VA educational benefits and applications for qualifying veterans and dependents of veterans.

Educational objectives: The Department of Veterans Affairs requires that each student receiving VA educational benefits is enrolled for courses which lead to their approved educational objective (degree or certificate). VA students may not receive benefits for courses for which they have already received credit; for courses that are in excess of degree requirements; or for courses which do not apply to a planned, approved program. A college academic advisor is available to help a prospective student determine if courses meet the requirements for the student's VA approved program of study.

*****REVIEW***TVCC does not participate in the Advance Payment program. Therefore, VA students are required to pay tuition and fees at registration if ineligible for financial aid (i.e. scholarship, Pell Grant, student loan). While enrolled, students with VA educational benefits receive a monthly payment varying in amount, depending upon the chapter program and class load. Note: Allow four to eight weeks for a VA application or any paperwork submitted to be processed by the Department of Veterans Affairs regional office in Muskogee, OK (toll-free number: 1-888-442-4551).**

VA Student Checklist

What you must do before your enrollment can be certified:

1. Apply to Trinity Valley Community College. Applications can be completed by visiting www.applytexas.org. Contact the Admissions Office for deadline dates.

- Trinity Valley Community College requires military transcripts for all veterans applying for admission. Veterans and service members can order a military transcript from the branch in which you served:
 - Army, Coast Guard, Marine Corp, & Navy (JST): <https://jst.doded.mil>
 - Air Force (CCAF): <https://www.airuniversity.af.edu/Barnes/CCAF/Display/Article/803247/community-college-of-the-air-force-transcripts/>

Send All Transcripts to the Following Address:

Trinity Valley Community College

Attention: Registrar's Office

100 Cardinal Drive

Athens, TX 75751

2. If you do not have a copy of your DD214, you may order one at: <http://www.archives.gov/veterans/military-service-records/get-service-records.html>

3. Create an eBenefits account to access your military personnel file at: <https://www.ebenefits.va.gov/ebenefits-portal/ebenefits.portal>.

- If your benefits have never been used or applied for, submit your application (VA Form 22-1990/5490) to Veterans Administration as early as possible. Visit <https://www.va.gov/education/how-to-apply/> for information.

4. Meet with an academic advisor for degree plan advisement, enroll in a degree program approved for VA benefits, and then register for courses that apply toward that degree.

5. Provide all supporting documentation to the TVCC Veterans Office as shown below.

REQUIRED DOCUMENTS FOR VA CERTIFICATION

ALL REQUIRED DOUCMENTS MUST BE TURNED IN AT THE SAME TIME FOR CERTIFICATION.

INCOMPLETE PAPERWORK WILL NOT BE PROCESSED.

Chapter 33 (Post 9/11)®:

- Certificate of Eligibility VA Form 22-1990 (va.gov)
- DD-214 Member 4
- VA Form 22-1995 (If you've used your GI Bill® before)
- TVCC Request for VA Certification Form – Must be submitted every semester
- Military and All Academic Transcripts Submit to Registrar's or VA office

Chapter 33 (Post 9/11 Transfer of Entitlement or Fry Scholarship)®:

- Certificate of Eligibility
- VA Form 22-5495 (If you've used your GI Bill® before)

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- TVCC Request for VA Certification Form – Must be submitted every semester
- Military and All Academic Transcripts Submit to Registrar's or VA office

Chapter 30 (MGIB)®:

- Letter of Eligibility (We can certify enrollment without this)
- DD-214 Member 4
- VA Form 22-1995 (If you've used your GI Bill® before)
- TVCC Request for VA Certification Form – Must be submitted every semester
- Military and All Academic Transcripts Submit to Registrar's or VA office

Chapter 35 (DEA)®:

- Letter of Eligibility (We will not certify enrollment without this)
- VA Form 22-5495 (If you've used your DEA benefits before)
- TVCC Request for VA Certification Form - Must be submitted every semester

Chapter 31 (VR&E)®:

- VA Form 28-1905 (Sent to TVCC from VR&E Case Manager)
- TVCC Request for VA Certification Form – Must be submitted every semester
- Military and All Academic Transcripts Submit to Registrar's or VA office

Chapters 1606/1607 (REAP)®:

- For 1606: Notice of Basic Eligibility (NOBE)
- For 1607: DD-214 Member 4
- Letter of Eligibility
- VA Form 22-1995 (If you've used your GI Bill® before)
- TVCC Request for VA Certification Form - Must be submitted every semester
- Military and All Academic Transcripts Submit to Registrar's or VA office

Documents are available at <https://www.TVCC.edu/Veterans>

VA Changes that must be Reported

It is the responsibility of the VA student to report any changes in enrollment immediately (reduction or termination of attendance or training) to the school's certifying official to ensure the changes are reported promptly to the VA regional office.

The student will be responsible for any overpayment resulting from these changes. Any change of address or phone number should also be reported to the school VA officer. When changing a degree or certificate program, the student must notify the TVCC certifying official and complete any required forms to avoid a delay in receiving educational benefits payments. If transferring from or to another school, the student should complete the following:

1. Veterans and Reservists: VA Form 22-1995 Request for Change of Program or Place of Training.
2. Spouse or Child of Veteran: VA Form 22-5495 Request for Change of Program or Place of Training Survivors' and Dependents' Education Assistance.

VA Satisfactory Academic Progress

Please review TVCC Satisfactory Academic Progress Policy in the Financial Aid section of this catalog.

Hazlewood Act Exemption

The Hazlewood Exemption Act is a Texas benefit that provides qualified veterans, spouses and dependent children with an education benefit of up to 150 hours of tuition exemption and required fee charges at Texas public institutions of higher education. The exemption does not include living expenses, books, supplies, travel, and non-tuition related fees. The information below lists the ways you may qualify for the Hazlewood Exemption along with the documentation you must submit in order to be considered for the benefit. For more information on the Hazlewood Act and eligibility requirements, please visit the Texas Veterans Commission website.

All documentation must be on file prior to the census date of the term for which the student is applying for the Hazlewood Act exemption. In order to be eligible to receive a Hazlewood Act exemption, a veteran will demonstrate that he or she:

1. at the time of entry into the U.S. Armed Forces, was a citizen of the United States and a resident of Texas;
2. has received an honorable discharge from active service, general discharge under honorable conditions or an honorable separation from service;
3. has served at least 181 days of active military duty, excluding training;
4. has resided in Texas at least 12 months or otherwise been classified as a Texas resident by the institution for the term or semester for which the veteran applies for the Hazlewood Act exemption;
5. is not in default on an education loan that was made or guaranteed by State of Texas;
6. has attempted fewer than 150 credit hours of college courses using the Hazlewood Act Exemption, beginning with fall of 1995; and is enrolled in an eligible program of study.

Transferability of Benefits (Legacy Program)

Eligible veterans may assign unused hours of exemption eligibility to a child under certain conditions. To be eligible, the child must:

1. be a Texas resident;
2. be the biological child, stepchild, adopted child or claimed as a dependent in the current or previous tax year;
3. be 25 years or younger on the first day of the semester or term for which the exemption is claimed (unless granted an extension due to a qualifying illness or debilitating condition); and
4. make satisfactory academic progress in a degree, certificate or continuing education program** as determined by the institution.

If a child to whom hours have been delegated fails to use all of the assigned hours, a veteran may reassign the unused hours that are available to another dependent child.

Veterans' spouses are not eligible to receive a transfer of unused hours.

Applying for Hazlewood Act Exemption

When applying for the first time for the Hazlewood Act exemption, a veteran shall provide to the institution the following supporting documentation:

1. Hazlewood Application
2. A copy of the veteran's Certificate of Release or Discharge from Active Duty (DD Form 214); and/or DD215 if necessary
3. VA Certificate of Eligibility for GI Bill® benefits (required if Veteran served on or after 9/11/2001)
4. For legacy recipients: Birth Certificate, Marriage Certificate, Death Certificate (for deceased Veteran) or Adoption Documentation, or IRS Transcript of Tax Return (<http://www.irs.gov/Individuals/get#transcript>) from current or previous year indicating dependency of child, and identification of designee if applicable
5. Required for Spouse or Child (other than Legacy), Letter from VA indicating the Veteran's death was service related

For additional information, contact the Office of Student Financial Aid, the TVCC website, TVCC Veterans Benefits, College for all Texans, or Texas Veterans Commission.

GI Bill® is a registered trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>.

STUDENT SERVICES

Communications

TVCC Alert

TVCC Alert is a mass notification system that can notify individuals who register to receive text messages on their mobile phones. With 90% of college students having mobile phones, this method of communication can increase safety on the TVCC campuses. Upon registering for the TVCC alert system, time-sensitive messages are disseminated immediately. In addition to mobile phones, TVCC Alert enables TVCC administration to send important campus information to you via the website, email, phone message, and social media channels. Visit the TVCC IT webpage to register for TVCC Alert.

MyCardinalConnect

MyCardinalConnect portal is the student information system used by the College. This system provides all TVCC students, regardless of their campus affiliation or instructional mode of delivery, access to a variety of applications that support and enhance their learning opportunities with TVCC. With their MyCardinalConnect access, students are able to:

- Register for classes during the registration period;
- Change class schedule during the registration period (before classes begin);
- View/print unofficial transcripts;
- View/print class schedule;
- Drop a class after the official census day of the semester (Students are encouraged to visit with an advisor and the financial aid office prior to dropping a class);
- Print degree audit (progress);
- Check final grades at the end of each semester;
- Verify financial aid awards;
- View/pay tuition and fees;
- Print a copy of W-2 and 1098-T information;
- Apply for graduation.

Electronic Communication

TVCC students are **required** to use their TVCC Canvas account for communication and work in their courses, and their TVCC email account for all other electronic communication. In order to ensure the identity of the student communicating electronically, TVCC administration, faculty, and staff will not reply to student communication that is sent through an email account other than their TVCC-issued email account or TVCC Canvas account.

Official Summons

Administrative officers of the College may request that a student come to discuss matters concerning records, financial affairs, conduct, educational programs, or other affairs. These requests are **Official Summons**. Failure to respond to an official summons may result in formal disciplinary action.

Academic Pathway Planning and Student Success

Student Pathways

The purpose of the Student Pathways department is to provide students with the necessary tools to successfully choose a career path. It is our mission to provide continuous advising support to ensure the student stays on the right pathway to achieve their educational and career goals. The Student Pathways department is comprised of the Academic Advisement Center.

Academic Advisement Center

The Academic Advisement Center provides excellence in advising while building relationships with students and supporting them in achieving their academic goals. The advising staff is committed to creating a supportive, student-friendly atmosphere; encouraging students to set academic and career goals; empowering students to reach their goals; and providing individual academic guidance through quality advisement while maintaining the confidentiality and honoring the dignity and potential of each student. For additional information, contact the Academic Advising Center at

Athens: 903-675-6350

Palestine: 903-723-7046

Terrell: 972-563-4904

Terrell Health Science Center: 469-614-3800

Online: Academic Advisement Center (<http://www.TVCC.edu/advisement/>)

TVCC Workforce Career Center

The TVCC Workforce Career Center's physical location is on the Athens campus in the Baugh Technology Center on the second floor. It is available for all TVCC students, regardless of instructional location or mode of delivery, to assist with information on the various majors, career exploration, and employment searches. Individual career guidance is available to help students identify possible career matches based on interests, values, personality preferences, skills, and goals through Career Coach. TVCC Workforce Career Center is committed to providing support to our students and recent alumni in the life-long career development process through:

- Facilitating career and self-exploration; students are encouraged to access the TVCC Career Coach program, available on the TVCC workforce education and advising webpages. Enter "career coach" in the TVCC search box to access this very useful resource;
- Helping students identify and participate in experiential learning opportunities;
- Engaging students in the career decision-making process;
- Educating students and recent alumni on the professional job search process;
- Developing and maintaining relationships with alumni, faculty, the community, and employers;
- Creating a learner-centered environment by making services and resources available through technology.

TVCC Career Coach is a computer program that provides students with information about a variety of career pathway options, as well as offers information regarding career openings around the area. Visit Career Coach to complete a career assessment, research career opportunities, browse TVCC programs, create/edit resumes, and access local job opportunities.

Cardinal Success Center

The Cardinal Success Center (CSC) provides students with resources to maximize learning and overcome barriers in the pursuit of furthering their education at TVCC. The CSC offers a spacious lab and study center, and tutoring services. The CSC is located on the Athens campus, but any currently enrolled academic student from any campus with a valid TVCC-issued ID card is welcome to use the services. The CSC webpage contains additional information regarding the services offered.

The CSC on the Athens campus and Open Learning Labs on the Palestine and Terrell campuses are academic support facilities. The labs provide resources to maximize students' learning potential, personal adjustment, and academic performance at the collegiate level. The purpose of the CSC and labs are to enhance academic skills, increase retention rates and provide an environment supportive of student success.

Students visiting the CSC or open labs will be offered access to peer and professional tutors for coursework as well as comfortable areas for groups and individual study, computers, calculators, headphones, and webcams to use for coursework or personal work. The CSC facility is on the Athens campus located on the second floor of the Learning Resource Center, room 246. The Open Learning Labs are available in the Library on the Palestine Campus and Learning Resource Building on the Terrell Campus.

Tutoring

TVCC's tutoring services are provided to students in the CSC and Open Learning Labs. Tutoring services include peer and professional tutoring at no charge to all TVCC credit students. Tutors conduct individual and group tutoring sessions on a scheduled or drop-in basis. No appointment is necessary for drop-in tutoring. VIRTUAL tutoring that is done in the comfort of your own home is available. Specialized Math and English Tutoring (MET) is available on each TVCC campus.

To schedule an appointment or ask any questions, submit your information.

Additional information regarding tutoring services is available on the webpage.

Student Retention

The purpose of the Student Retention Office is to enhance existing programs and develop new programs designed to increase overall student success, retention, and graduation rates. The following programs are designed to increase and aid in retention:

Cardinal Academic Retention and Engagement (CARE) Program

To help our students avoid suspension, the CARE program requires all students on academic probation or suspension to schedule an appointment for success advising each semester. At this time, the retention department will attempt to determine what factors are hindering the student's academic success and make appropriate referrals. The retention department will also explain the minimum standards the student must achieve in the current semester to end probation and/or avoid suspension from the college. The goal of a customized success agreement is to help students reach graduation through intentional support and advising. Each student will review a customized contract developed based on their specific needs to be successful.

Student Success Class - CARD 2011 and 2012

The purpose of CARD 2011 and CARD 2012 courses is to promote student success as they are designed to support, challenge, and assist returning students who have fallen below a desired grade point average (GPA). Topics covered include class organization, academic attributes, stress management, and more.

At-risk students, including those on scholastic probation, are encouraged and/or required to participate in the CARD 2011 and CARD 2012 Student Success classes.

Flight school: new student Orientation

New student orientation is designed to prepare students for their academic careers. Scheduled sessions are designed to focus on a variety of academic and social needs using advisement and registration as well as new student interaction with faculty, staff, orientation leaders, and other incoming students. Sessions are provided to give new students information in areas such as financial aid, housing, campus safety/police, MyCardinalConnect portal access and features, bookstore, and TVCC Alert system. Orientation is also available online for students who do not attend in person via the CARD-1011 course paired with learning frameworks.

Advocacy Resource Center

College students may face challenges outside of the classroom that are obstacles to their academic and personal success. Our goal is to empower students to overcome these non-academic barriers and maximize their educational experiences.

The TVCC Advocacy Resource Center provides a variety of internal and external services, resources (food and clothing) and connections to support students so they can focus on their academic goals. For questions or more information, please contact 903-675-6257.

Student Access and Counseling

The mission of TVCC's student access and counseling department is to facilitate equal access to all TVCC services and programs for protected students and to provide counseling for personal, emotional, and adjustment issues, all in a safe and inclusive environment.

Student Access

TVCC provides equal opportunities for academically qualified students with documented disabilities and ensures access to a wide variety of resources and programs, regardless of their instructional location or mode of delivery.

The College makes accommodations for students with qualifying disabilities such as moving classes to accessible locations, allowing the use of tape recorders and sign language interpreters, the use of educational auxiliary aids, and making special testing arrangements. All approved accommodations comply with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. TVCC makes reasonable accommodations for qualified students with a diagnosed physical, mental, and/or learning disability who have been admitted to the College and request accommodations.

A Request for Accommodations Form must be completed prior to any approval. It is recommended that the form be filled out the beginning of each semester. However, students can request accommodations anytime during the semester. Appropriate physical or psycho-educational documentation or rehabilitation agency referral must be submitted before any accommodations can be arranged. This documentation and/or referral must clearly document the disability and support the need for accommodation. For any accommodations that require prior arrangement, such as ASL interpreters, a student should submit the Request for

Accommodations form at least **four weeks prior to the beginning of the semester in which enrollment is anticipated.**

Additional information regarding student access is available in the TVCC Students with Disabilities Handbook located on the Student Access and Counseling webpage. For more information on policies related to accommodations at Trinity Valley Community College, please visit the Student Access and Counseling webpage.

All students are expected to abide by the Student Code of Conduct as outlined in the Student Handbook. The Athens campus student access office is located on the third floor of the Baugh Technology Center in room 323. Contact information for the disability coordinator at each of the campuses is as follows:

Email contact:

studentaccess@TVCC.edu

Phone contact:

Athens: 903-675-6224

Palestine: 903-675-6224

Terrell: 903-563-9573 ext. 4903 or 4904

Terrell Health Science Center: 903-675-6224

Mental Health Counseling

Trinity Valley Community College (TVCC) takes the mental health and wellness of all students very seriously. Mental health and personal counseling are available to all enrolled TVCC students. This service is free and confidential for all currently enrolled TVCC students. Students who are experiencing personal issues, test anxiety, depression, and other mental health issues will have access to a licensed counselor. The counselor is located inside the Student Access and Counseling department on the third floor of the Baugh Technology Building. A list of the LMHA's is located here local mental health authorities. For more information regarding this service, or to make an appointment for counseling, please use the contact information below.

To request an appointment:

Email contact:

counseling@TVCC.edu

Phone contact:

903-675-6310

Distance Learning

The United States Distance Learning Association (USDLA) defines distance learning as “the acquisition of knowledge and skills through mediated information and instruction, encompassing all technologies and other forms of learning at a distance.” TVCC adheres to the minimal recommendations outlined in the “Principles of Good Practice for Academic Degree and Certificate Programs and Credit Courses Offered Electronically” recommended by the Texas Higher Education Coordinating Board (THECB).

Distance learning at Trinity Valley Community College offers opportunities for students to further their educational goals when employment, family responsibilities or other scheduling problems prohibit regular (in-person) attendance on one of the College’s campuses. This style of course delivery might also appeal to those students who desire a more non-traditional alternative when pursuing a college education.

TVCC’s distance learning program utilizes the following technologies:

- Synchronous, two-way live interaction by utilizing Zoom web conferencing to provide instruction to students apart from the instructional site.
- Asynchronous online instruction, referred to as e-Courses, that utilizes the Canvas Learning Management System (LMS) and Panopto video software for the online platforms.

TVCC offers the following options for asynchronous instruction:

-
1. Fully online courses are those in which all instruction and evaluation methods are delivered online using the Canvas LMS system. Prior to enrolling in an online course, it is strongly recommended that the student reviews the course syllabus to determine the methods of instruction and evaluation in the course, plus determine their readiness for online instruction using the free, 2 minute Online Readiness Self-assessment to receive feedback on their skills for taking online courses. Some online courses require proctored exams in a proctored environment, thus necessitating travel to an approved testing site. It is the student’s responsibility to abide by the requirements outlined in the course syllabus.
 2. Hybrid courses combine the best elements of traditional, face-to-face instruction and online instruction. Distance learning hybrid (HYD) courses are those in which the majority (51% +) is delivered online while there is some classroom and/or laboratory meeting times. Classroom hybrid (HYC) courses are those in which the majority (51% +) is delivered in the classroom with some online component. Prior to enrolling in hybrid courses, it is strongly recommended that the student reviews the course syllabus to determine the required dates of class/lab attendance. It is the student’s responsibility to abide by the attendance requirements outlined in the course syllabus.

Any student enrolled in an asynchronous course with TVCC (fully online or hybrid) will be provided an institutional assigned secure log in to access the Canvas LMS system. The user name will be uniquely assigned to the TVCC student who is registered for the online course. The unique user log in information is to be used by the online student enrolled only and is subject to the institution's technology resource and acceptable use policy. Furthermore, sharing or loaning log in information with other individuals is strictly prohibited and will be subject to the consequences outlined in the institution's technology use policy.

Online courses do require additional skills, such as time management, technology skills, and self-motivation. Before embarking on an online journey, it is strongly recommended that the students complete the online readiness self-assessment to gain information on how to prepare for learning in an online class.

For information about distance learning at TVCC, please visit our website at www.TVCC.edu/distance-learning and complete the Online Student Contact Form on the Distance Learning homepage. We will reply with information and resources about online and hybrid courses. For additional questions, please email ecourseshelp@TVCC.edu.

Note: A distance learning fee applies to all online courses.

Housing

All students interested in living in on-campus housing, including scholarship recipients, are required to submit an online housing application and a \$150 non-refundable housing application fee before housing reservations will be confirmed.

Criminal background checks will be done by TVCC on each housing applicant before being approved for campus housing. Sometimes, this can take a while, so TVCC recommends all students submit housing applications early.

Each residential student is required to have a cafeteria meal plan.

The state of Texas has mandated that all campus housing students must have the bacterial meningitis vaccine. Provide proof of a current bacterial meningitis vaccination

(within the last 5 years) to the Registrar's office prior to reporting to Trinity Valley Community College housing.

Refund Policy

Room Costs

Fall or Spring Semester (16 week)

- Prior to the move in date: 100%
- Day 1-15: 70%
- Day 16-20: 25%
- Thereafter: None

Fall or Spring Semester (8-week)

- Prior to the move in date: 100%
- Day 1-8: 70%
- Day 9-10: 25%
- Thereafter: None

Summer Semester (12-week)

- Prior to the move in date: 100%
- Day 1-12: 70%
- Day 13-15: 25%
- Thereafter: None

- Summer Semester (6-

week)

- Prior to the move in date: 100%
- Day 1-5: 70%
- Day 6-7: 25%
- Thereafter: None

Meal Costs

- Prior to the move in date: 100%
- Prorated schedule based upon the number of weeks remaining in the term
- Cardinal Cash portion of board charges is nonrefundable.

Meal plans are taxable.

For current costs and/or installment payment arrangements, contact:

Housing Office - housing@TVCC.edu
Trinity Valley Community College

100 Cardinal Drive
Athens, TX 75751

Learning Resource Center (LRC)

Trinity Valley Community College has a library on each of the campuses to provide academic support systems for all students. These centers are located on the first floor of the Ginger Murchison Learning Resource Center building on the Athens campus, in the Anderson Building on the Palestine campus, in the M. L. Risinger Learning Resource Center building on the Terrell campus, and in room 115 of the Terrell Health Science Center.

In addition to the four campus libraries, remote access to the library catalog and online databases is available for all students, including those enrolled in distance education and off-campus instructional sites. Support is available (either in person or virtually) to any group or individual student who seeks assistance with any of the services provided by the libraries.

Libraries on the Athens, Terrell, and Terrell Health Science campuses have study areas, circulating books, reference books, digital books, reserve materials, copy machines, newspapers, computers, and access to online databases, while the library on the Palestine campus is specifically focused on print materials for nursing students and a robust digital collection inclusive of all academic subjects. Books are classified by the Library of Congress Classification system and housed in open stacks. Online public access catalogs (OPACS) are available in each library for searching the collection. For orientation, training and information about online services, see a member of the library staff or visit the library's webpage.

The hours of operation are posted both on the library webpage and at each campus location. A current TVCC identification card is required for transactions. Books, computers and other materials are available for academic research and class assignments. All provided resources are designed for use by the college student for academic purposes and personal enrichment.

Student Life

Trinity Valley Community College is committed to fostering the success of all students. One important part of the college experience occurs outside of the classroom.

The Office of Student Life & Diversity provides leadership, learning and involvement opportunities that enhance the growth and development of our students. The Office supports a variety of perspectives through annual programming of extracurricular activities. A wide range of social, cultural and educational events are offered to meet the variety of student needs and interests.

Athletics

The Trinity Valley Community College (TVCC) athletic program is nationally recognized for winning numerous NJCAA National Championships and Region 14 Region and Conference titles. The TVCC athletic program is a member of the National Junior College Athletic Association (NJCAA). TVCC athletic teams compete in Division I of the NJCAA's Region XIV for Men's basketball (13 NJCAA National Tournament Appearances), Women's basketball (8 National Championships, 29 NJCAA National Tournament Appearances), Softball (2 NJCAA Softball World Series), Volleyball (3 NJCAA National Tournament Appearances), and Women's soccer. The college's Football team (2 NJCAA National Championships) competes in the NJCAA Division I Southwest Junior College Football Conference. The college's Competitive Cheer team competes in the National Cheerleaders Association (NCA) and has won 15 National Championships. Esports competes in the NJCAAE - National Junior College Athletic Association Esports. The Cardettes have won 6 National Dance Association National Championships and has performed in holiday parades in Dallas, New York, Philadelphia, Washington D.C., and internationally. The TVCC Rodeo Team competes in the NIRA Southwest Region and regularly sends athletes to the College National Finals in Casper, Wyoming. The TVCC Cattle Show Team competes in events at Ft Worth and Houston, Texas and events throughout the region.

Campus Bookstore

The Bookstore offers everything you need including textbooks, school supplies, clothing, and more on the Athens, Palestine, Terrell and Health Science Center campuses. You can also conveniently purchase course materials and other merchandise online. Visit the TVCC Bookstore webpage for detailed information.

Information about required course materials for an upcoming semester is available on the Bookstore website.

Textbook Refund and Return Policy

A full refund may be given for course materials returned to the College bookstore with the sales receipt by the 10th day of the Fall or Spring semester or the third day of a Summer or mini semester. Defective merchandise may be exchanged within five days of purchase.

- All returns or exchanges require the original sales receipt
- Access codes must be returned complete, unopened, and not purchased as part of a textbook bundle.
- Returned course materials must be in original condition/packaging for a refund to be considered
- Shipping charges are non-refundable
- Purchases by cash or check will be refunded by a check issued from the TVCC Business Office (allow 2-3 weeks for processing)
- All returns are at the discretion of the TVCC Bookstore

Buyback

- Students may sell textbooks for cash at the end of each semester during finals.
- Buyback prices are determined by market value of individual titles and may be up to 50% of the purchased book price. All book buybacks are at the discretion of the Bookstore.
- Contact individual campuses for exact dates and times or check the Bookstore website for details
- Student ID is required to sell books

Graduation Announcements/Regalia

- Graduation announcements are available for purchase at the Trinity Valley Community College Bookstore
- Graduation regalia is available for pickup at TVCC Bookstores on designated dates prior to graduation

Textbook Refunds

A full refund will be given for books returned to the College bookstore with the sales receipt by the 10th day of the fall or spring semester or the third day of a summer or mini semester. Students returning usable books which are stained, written in or damaged may receive a partial refund. There will be no refund for unusable books. The bookstore will buy back books at the end of each semester. Buyback prices are determined by market value of individual titles and may be up to 50% of the purchased book price. Students must present their TVCC ID to sell books. The bookstore may refuse to buy any books at any time. Defective merchandise may be exchanged within five days of purchase.

Campus Police

Trinity Valley Community College Police Department is the primary respondent for campus emergencies and reports of criminal activity on all campus. Officers are fully certified

by the State of Texas with full arrest powers. Trinity Valley Community College employs and commissions campus peace officers for the purpose of protecting the safety and welfare of students, employees, and property of the institution in accordance with state law. Any officer, so commissioned, is vested with all powers, privileges, and immunities applicable to peace officers while the officer is in his or her primary jurisdiction or outside the officer's primary jurisdiction. Officers shall have primary jurisdiction in any county in which the college owns, leases, or rents property.

Trinity Valley Community College Police Department cooperates with federal, state and local police, resulting in the college's awareness of criminal activity perpetrated beyond the campus.

Officers will respond as quickly and safely as possible to any request for assistance. Response time is based on current officer activity and individual issues of subsequent calls. Crimes in progress, alarms, traffic accidents with injuries, and medical assists have a higher priority than other types of calls. College police officers are eager to be of assistance and may be contacted directly. For off-campus offenses, we encourage prompt reporting to the proper local law enforcement agency.

Reports of criminal activity will be fully investigated, and appropriate referrals made to the appropriate courts, Student Judicial Services, or Human Resources, as necessary. Community members are encouraged to report crime concerns to the police department.

College community members observing criminal activities and other emergencies occurring on campus should contact law enforcement immediately by dialing 6235 or 9-1-1 from any campus telephone, contacting a police officer on patrol, or in person at the campus police department.

1. Athens: 903-675-6235 (Campus phone 6235)
2. Terrell: 972-563-4935 (Campus phone 6235)
3. Palestine: 903-675-6235 (Campus phone 6235)
4. Kaufman: 903-675-6235 (Campus phone 6235)
5. Terrell Health Science Center: 469-614-3836 (Campus phone 6235)

Campus Locations

Athens Campus

Located in the Math/Journalism building room 105 on the Athens campus – Trinity Valley Community College Police Department is open 24 hours a day, 365 days a year. The department consists of professional campus police and telecommunication officers dedicated to providing excellent customer service to the College community. Officers patrol the campus on foot, motorized cart and in vehicles. The Dispatch Center is staffed with trained and certified communication officers who answer calls for service, dispatch officers and other emergency services to incidents, and monitor intrusion detection and fire alarms.

Palestine Campus

Located in the “A” building room A114 on the Palestine Campus – Trinity Valley Community College Police Department is open Monday through Friday during business hours. Officers patrol the campus and the Palestine Work Force Education Center on foot and by vehicle. The officers are dispatched by Trinity Valley Community College and the Anderson County Sheriff’s Department.

Terrell Campus

Located in the “A” building room A102 on the Terrell Campus – Trinity Valley Community College Police Department is open Monday through Friday during business hours. Officers patrol the campus on foot and by vehicle. The officers are dispatched by Trinity Valley Community College and the Terrell Police Department.

Terrell Health Science Center Campus

Located in room 105B on the Health Science Center Campus - Trinity Valley Community College Police Department is open Monday and Tuesday during business hours. Officers patrol the campus on foot. The officers are dispatched by Trinity Valley Community College and the Terrell Police Department.

Kaufman Campus

The Kaufman Campus is served by officers located on the Terrell Health Science Center Campus and by local police agencies.

Campus Parking Permits

All vehicles regularly driven on campus by students, staff, faculty and administration must display a current parking permit and must be parked in authorized areas. It is the responsibility of anyone registering a vehicle for campus use to become familiar with the traffic rules and regulations. A copy of these regulations may be obtained in person from the Campus Police Department or online on the parking website.

Student Identification Cards

Student identification cards are available to all students through the campus police department on the Athens campus and through the libraries on the Palestine and Terrell campuses. Students must carry their ID card on their person at all times while on campus and must present it at the request of campus police officers or faculty members. This card entitles students to use the library, the Cardinal Success Center, and to free admission to athletic contests. A \$20 fee will be charged for replacing a card.

TVCC Police Department Website

Please visit the police department website to become familiar with emergency procedures and all the services offered by the police department.

Cardinal Fitness Center

The Cardinal Fitness Center is a state-of-the-art facility offering a full range of cardiovascular, machine exercise, and free weight equipment. Also offered at the Cardinal Fitness Center is an open half-court basketball floor and an outdoor walking trail. In addition, the Cardinal Fitness Center is home for our Cardinal Cheer and Softball teams. The Center opened in 2018 and was made possible by a grant received from the Cain Foundation. It is located on the southeast corner of campus and is available to students, faculty/staff, faculty/staff dependents, and Gold Card members during its stated hours. A student, faculty/staff, or member ID card is required for access to the Center. To obtain your ID card visit the TVCC Police Department.

Mental Health Counseling

Trinity Valley Community College takes the mental health wellness of all students very seriously. Mental health counseling is available at no charge to all currently enrolled TVCC students. Students who are experiencing personal problems, test anxiety, depression, and other mental health issues will have access to a licensed counselor. Face-to-face counseling is available to all TVCC students, and telehealth is available for students not on the Athens campus. To make an appointment with the TVCC counselor, please email counseling@TVCC.edu and someone will get back to you within 24 hours. You may also call 903-675-6310 to speak directly to the counselor. All counseling sessions are strictly confidential, and no information can be shared with any other person without the student's consent.

For mental health emergencies, please call TVCC Campus Police at 903-675-6235 or dial 911.

Drug and Alcohol Abuse Prevention Program

Trinity Valley Community College implements a Drug and Alcohol Abuse Prevention Program (DAAPP) to maintain a drug and alcohol-free environment. Both TVCC's local and legal policies outline the consequences regarding the use or possession of drugs or alcohol on campus. TVCC provides opportunities for students to understand the consequences of drug and alcohol abuse through on campus events, available information, and social media. Treatment, counseling, rehabilitation, and re-entry information is available from the office of Student Advocacy on the third floor of the Baugh Technology Center on the Athens campus.

A team is assembled on a biennial basis to review the DAAPP. The Biennial Review Team's major task is to oversee the Drug and Alcohol Abuse Prevention Program. The team is responsible for reviewing the requirements and goals of the Drug-Free Schools and Campuses Regulations and collecting campus information to evaluate the program, review publications, and produce the Biennial Review, including recommendations for future action.

Copies of the Biennial Review are kept on file in the Office of Human Resources and the Campus Police Department for employee/student reporting and accessibility. The Biennial Review can also be found on the Student Life webpage and will be made available upon request to the Trinity Valley Community College public information officer.

More information about TVCC's Drug and Alcohol Abuse Prevention Program can be found online on the student life webpage under the Drug and Alcohol Prevention link.

Intramural Sports

It is the goal of the intramural sports program to help develop for each student a group of leisure-time pursuits and activities which enrich the college experience and develop more permanent recreational and sports interests. Intramural sports are available on the Athens campus and include:

- disc golf
- pool
- ping pong
- dodgeball

Students interested in checking out equipment should visit the Office of Student Life & Diversity in the Student Union Building.

Student Organizations

Student organizations at Trinity Valley Community College vary from year to year in accordance with changes in student needs and interests.

All student organizations are required to operate under constitutions, which conform to the educational objectives and administrative regulations of the College. Some organizations are primarily social, academic, athletic/competition, or professional in nature. All students are encouraged to participate in a campus organization or club.

Risk Management Requirement for Student Organizations

In 2007, the 80th Texas Legislature added section 51.9361 to the Texas Education Code regarding risk management training of officers and advisors of student organizations. Consequently, universities and community colleges are required to provide training in eight different topics related to risk management. Advisors are required to attend risk management training once and specified officers are required to attend training annually.

TVCC is expected to disseminate this training content at a meeting of the full membership of the organization/club. Topics to be covered include:

- possession and use of alcoholic beverages and illegal drugs, including penalties that may be imposed for possession or use;
- hazing;
- sexual abuse and harassment;
- fire and other safety issues, including the possession and use of a firearm or other weapon or of an explosive device;
- travel to a destination outside the area in which the institution is located;
- behavior at parties and other events held by a student organization;
- adoption by a student organization of a risk management policy;
- issues regarding persons with disabilities, including a review of applicable requirements of federal and state law, and any related policies of the institution, for providing reasonable accommodations and modifications to address the needs of students with disabilities, including access to the activities of the student organization.

Ag Club

TVCC's Ag Club is open to all students attending Trinity Valley Community College. Any student who desires to promote agriculture and share fellowship with others of similar interests is invited to join. The club encourages leadership and participation in the activities of the Texas Junior College Agriculture Association. The TVCC Ag Club is also involved in supporting the community through service projects.

Alpha Delta Nu Nursing Honor Society

TVCC's Alpha Delta Nu Nursing Honor Society recognizes the academic excellence of ADN students. Provisional membership is offered to students after their first two semesters who have a cumulative GPA of 3.0 and have earned a B or better in each nursing course without any previous failures. Level III members conduct a group educational or recruitment project in the fall and after earning a B or better in Level III nursing courses and demonstrating conduct that reflects integrity and professionalism will be inducted as full members in Level IV. Transition students are eligible for provisional membership by achieving a cumulative GPA of 3.0 or higher and earning a B or better in all nursing courses in the transition and third levels.

Anime Club

The Anime Club, serving Trinity Valley Community College, is committed to appreciating and enjoying anime and manga, as well as other aspects of Japanese art and culture. The Anime Club fosters a fun environment and experience for any student involved. The club mission is accomplished through sharing knowledge of anime, manga and Japanese culture while actively learning new things through readings, discussions, video viewing, themed art projects and games.

The Ark

The Ark gives students an opportunity to get together in an informal and relaxed atmosphere. Food is served at non-profit prices. The Ark is operated by an informal student. The Ark is sponsored by the United Campus Ministry, an informal ministry to the students of TVCC and is provided by the cooperation of the A.M.E., Christian, Episcopal, Methodist and Presbyterian churches in the college area.

The Art Club

The Art Club, serving Trinity Valley Community College, is committed to enhancing the creative spirit on campus through activities and a community of like-minded individuals. The organization accomplishes this mission by providing an artistic outlook and projects around campus and the wider community.

Beef Cattle Show Team

TVCC's Beef Cattle Show Team is open to all students attending Trinity Valley Community College. Any student who desires to promote beef cattle show activities and share fellowship with others of similar interests is invited to join. Many activities may be scheduled for members, especially those who choose to compete in college beef cattle show events.

Cardettes

The Cardette organization is a precision dance organization which selects students on the basis of dance ability, character, personality, leadership and integrity. The style of the Cardettes is primarily advanced high kick, jazz, lyrical, high-energy pom, clog and prop. The objectives of the Cardettes are to build school spirit, be ambassadors of Trinity Valley Community College and provide an area for advanced dance training. The Cardettes perform at all home football games, home basketball games, area events, state events, and perform at an annual spring production.

Membership is earned by auditioning in the late spring for the following fall semester team. Once chosen, each Cardette must maintain full time student status with a 2.0 GPA or higher, each semester, and live on campus in order to maintain membership and scholarship awards. Each Cardette will earn 6 hours of college credit per semester as a member of the Cardettes.

Cardette Showgirls

Cardette Showgirls is a special group (8-14 dancers) within the Cardette organization who perform in the spring semester. The Cardette Showgirls are the competition team representing TVCC as well as performers for special events. The style for the Cardette Showgirls is high energy advanced pom, hip hop and jazz. Auditions are held at the end of the fall semester and are based on 2.3 or higher GPA, advanced dance ability, character and integrity. Each Showgirl will receive an elective credit as well as a scholarship award.

Cardinal Adventurer Guild

The Cardinal Adventurer Guild provides a positive forum in which students, faculty and staff can be creative, innovative and collaborative in their prospective area of interests in various tabletop games. Membership is open to any currently enrolled TVCC student and current TVCC faculty and staff.

Cardinal Pre-Health Club

Membership is open to all Trinity Valley Community College students (excluding dual credit students) who have an interest in pre-health fields.

Cardinal Regiment

The Cardinal Regiment is open to all students who audition and demonstrate the ability to play an instrument or the ability to perform as a twirler or flag corps member. The Regiment performs at many ball games and presents concerts featuring traditional, modern and seasonal music. The Regiment also performs for many local events and takes a number of trips each year. In addition, band members may audition to participate in the Texas All-State Junior College Honor Band. Scholarships are available to all who audition. Participation in the Cardinal Regiment is not limited to music majors.

Cardinal Singers, Chamber Singer, and Encore Choir

Cardinal Singers is open to any student who enjoys singing. The choir presents several programs each year at the College and for social and service clubs in the area. The choir participates in the Texas All-State Junior College Choir Festival and provides opportunities to participate in a Broadway style musical in conjunction with other departments in the Fine Arts Division. Chamber Singers and Encore choirs require audition for participation. Scholarships are available for those who audition.

Cardinal Cheerleaders

Cardinal Cheerleaders are students whose purpose is to promote school spirit, enhance sportsmanship and uphold high standards of conduct. They cheer for football, basketball and volleyball along with training for their own national competition. In addition, they conduct public relations tours of local high schools and serve as judges for cheerleader tryouts in the area. Cheerleaders must maintain a 2.0 grade average and be full-time students. Squad members are selected by tryouts and/or recruitment by the cheerleader coach. Cheerleading scholarships range from \$500-\$2,000 per semester and are based on overall skill set for each year's team. Excellence in the classroom can lead to additional scholarship(s) that covers the entire cost of books.

Collegiate Ministry

Collegiate ministry seeks to promote the spiritual development of students through Christian fellowship, prayer, Bible study, discussion, service projects and social activities. All students are eligible to participate.

First-Generation Student Organization

The First-Generation Student Organization is comprised of first-generation college students, or which defined as students whose parent(s) or legal guardian(s) have not completed a bachelor's degree. By having an organization of first-generation students, the aim is to increase the likelihood of first-generation success at Trinity Valley Community College.

Fishing Club

The Fishing Club brings students together who enjoy the sport of fishing. Membership is open to currently enrolled TVCC students.

Inclusion Initiative

The Inclusion Initiative is dedicated to fostering a campus culture of inclusivity that transcends barriers, embraces diversity and promotes understanding. Membership is open to any TVCC student enrolled in a minimum of 6 credit hours and in good academic standing.

Phi Theta Kappa

Phi Theta Kappa is a national honor organization for community colleges whose purpose is to promote scholarship, develop leadership and service and cultivate fellowship among students. In order to be eligible for membership in the local chapter, known as Iota Alpha, a student must attain a 3.5 GPA (including all coursework at TVCC except developmental coursework), have completed any required developmental courses and have completed 12 semester hours with TVCC. If a course has been repeated at TVCC, only the highest grade earned will be included in the calculation of the GPA. In addition, prospective members must be of good character, as determined by the faculty. In order to remain a member, the student must maintain an overall 3.0 GPA.

A student who seeks election into Phi Theta Kappa and who graduated with at least a B average from high school is invited to join the local organization as an associate member until he or she can qualify for membership in the national organization.

Phi Theta Kappa meets every other week during the academic year. Its activities and programs center around a study theme suggested by the international office, a project designed to meet a need of the college, as well as other student activities. Special emphasis is placed on those activities that promote scholarship. In addition to the many activities on the local campus, representatives of the chapter travel each year to the state and national conventions. The chapter has visited such places as Denver, Orlando, Anaheim, Nashville, Washington, D.C. and Minneapolis in recent years.

The National Society of Leadership and Success

The National Society of Leadership and Success (NSLS) is an organization that provides a life-changing leadership program which helps students achieve personal growth, career success, and empowers them to have a positive impact in their communities. At TVCC, this organization's membership is by invitation only. A student joining NSLS must 1) be an enrolled TVCC student, and 2) have a minimum GPA of 2.5. Members of NSLS are invited to continue their leadership growth through a four-step leadership development program that will complete the steps to full induction. These five steps include participating in an Orientation process, completing Leadership Training Day, attending National Speaker Broadcasts, and working in small groups with other members. Following completion of all of these steps, members are eligible for full induction.

Red Bird Leadership Program

The Red Bird Leadership Program's purpose is to influence students in ways to become better leaders. Red Bird Student Leaders will learn about leadership theory, have opportunities to put what they learn into practice and gain experience by serving as student leaders on campus. Through the process, they will increase their involvement on campus and in the community, build networks with influential people and influence others to become better people. Red Bird Leaders are selected through an application and interview process each spring and must maintain a minimum 2.5 GPA.

Student Ambassador Scholarship Program

The Student Ambassador Program is a leadership opportunity for students desiring to serve and promote TVCC, working closely with The Office of Student Life. They assist with college wide events and programs, as well as in the Advocacy Resource Center.

Student Ambassadors are selected through an application and interview process each semester and must meet the following eligibility criteria:

1. Completion of 12 semester hours at TVCC
2. 3.00 cumulative GPA
3. Be in good standing (e.g., not on probation)

Scholarships range from \$600-\$1000 per semester.

Student Government

The Student Government Association (SGA) represents the student body of Trinity Valley Community College. The SGA acts as the governing agency of the student body for the purpose of formulating policy pertaining to all students at the college. It also assists and advises in the planning and administration of activity programs, promoting student participation, morale and welfare on the college campus.

The Student Government Association is an organization comprised of students. Meetings are open to all students. To be eligible for membership, a student must be enrolled in a minimum of 9 credit hours and must possess and maintain at least a 2.0 GPA on all courses completed in college. The president, vice president, secretary, treasurer, parliamentarian, and public relations officer are elected in the spring semester prior to taking office in the fall. The freshman representative is elected during the fall semester. All officers must maintain a minimum 2.5 GPA.

Meetings are held in the fall and spring semesters on the Athens campus on Tuesdays at 12:15 p.m. in the conference room of the cafeteria. Meetings are open to all students.

All acts of the Student Government are subject to the approval of the college administration. Additional information can be obtained by contacting the Recruiting Office.

Student Nurses' Association

Student Nurses' Association is composed of students who are enrolled in the Associate of Applied Science Degree Nursing (ADN) Program at Trinity Valley Community College. This organization provides information concerning current trends and issues impacting standards of nursing care and is the vehicle that encourages leadership in the professional group.

Nursing Christian Fellowship

TVCC's Nursing Christian Fellowship is open to current and past students in nursing and related health occupation programs at TVCC. This Christ-centered professional organization enjoys affiliation with the national Intervarsity Nurses Christian Fellowship and is open to nurses in the community who desire spiritual growth and opportunities to serve and encourage one another through prayer meetings and devotionals.

Rodeo Team

TVCC's Rodeo Team is open to all students attending Trinity Valley Community College. Any student who desires to promote rodeo activities and share fellowship with others of similar interests is invited to join. Many activities may be scheduled for members, especially for those who choose to compete in college rodeo events.

STUDENT RIGHTS AND RESPONSIBILITIES

Freedom of Educational Opportunity

Trinity Valley Community College seeks to provide educational opportunity for all applicants for admission without regard to race, color, religion, sex, national origin, age or disability.

Policy of Rights, Conduct and Responsibilities

The Board of Trustees of Trinity Valley Community College expects employees, students, visitors, and guests to the College to accept the following responsibilities:

- Comply with and support of duly constituted civil authority.
- Respect the rights of others and cooperate to ensure that such rights are maintained, whether or not one agrees with the views of those exercising such rights.
- Cooperate to ensure that the will of the majority is implemented after due consideration, but not to include the suppression of the minority.
- Exercise disagreement in a responsible manner and within a framework compatible with the orderly resolution of differences.
- Maintain knowledge of and active support for college regulations.

Upon registering at Trinity Valley Community College, the student acknowledges the authority of the College and agrees to abide by any regulation concerning students and student organizations.

Confidentiality

Student hearings and records are generally considered to be educational records and will be treated in accordance with current law. This means there will be no disclosure of student file contents outside of the College without the written permission of the student, unless a legal exception exists. Disclosure within the College will be limited to those employees having legitimate need to access the information to conduct college business. Disclosure to victims of violent crimes and non-forcible sex offenses will be handled according to current law. Hearings will be closed to the public.

Public or Directory Information

In compliance with the Texas Public Information Act and the Buckley Amendment (Public Law 93-579), TVCC will consider the following information to be "public or directory information" **unless the individual student properly advises the registrar's office in writing that his/her name not be included or released as public information:**

Name

Year of birth

Current & permanent address

Telephone listing

Major

Number of hours enrolled current semester

Classification

Email address

Degrees & awards received

Dates of attendance

Participation in officially recognized activities & sports

Weight & height of members of athletic teams

All previous educational agencies or institutions attended

Photos and videos taken at public events and maintained by the college

Individuals submitting a request for directory information should complete the appropriate form, including the requester's name and address, and must show identification. Contact the public relations office for more information.

Trinity Valley Community College assumes that failure on the part of any student to specifically request to withhold their "directory information" indicates individual approval for disclosure.

Student Travel

Students required to attend College-sponsored events located 25 or more miles from a TVCC campus may be provided transportation options by the College at the expense of the College. The transportation options may include a TVCC-owned vehicle, or a chartered bus arranged by TVCC.

While traveling to college-sponsored events via TVCC arranged transportation, the driver who is operating a College District student must:

- Be a College District employee or a person supplied through a contract service provider utilized by the facilities management department and approved by facilities management supervisory personnel. Qualified students may operate 15 passenger vans only with the advanced approval from the management of the transportation department.
- Hold a valid Texas driver's license or obtain a Texas driver's license within 90 days of employment.
- All drivers must hold the appropriate driver's license for the vehicle they are operating, i.e. a driver of a commercial motor vehicle must have a Texas commercial driver's license.
- Have an acceptable driving record as confirmed through standard College District driver evaluation procedures.
- Ensure that all passengers and the driver wear seat belts at all times.
- Present his or her driver's license when acquiring the key(s) to the College District vehicle.

The driver shall ensure that the number of passengers does not exceed the designed capacity of the vehicle.

A driver shall not operate a vehicle for more than six consecutive hours without taking a 20-minute break or a relief from driving.

Student Code of Conduct

The following list of violations of the Student Code of Conduct outlines behaviors that may result in disciplinary action by the College. This list is not to be regarded as all-inclusive. In the event of ambiguity, inconsistency or a need for further clarification regarding what constitutes a violation of the Student Code of Conduct, the vice president of student services will make the final determination. All TVCC students or student organizations found to be responsible for misconduct are subject to College sanctions.

The Student Code of Conduct applies to all TVCC students, regardless of their campus affiliation or mode of instruction delivery (i.e., dual credit, distance learning, etc.).

Academic dishonesty and Cheating

Academic dishonesty and cheating includes:

1. submitting material that is not the student's as part of the student's course performance;
2. using information or devices that are not allowed by the faculty;
3. obtaining and/or using unauthorized materials;
4. fabricating information, research and/or results;
5. violating procedures prescribed to protect the integrity of an assignment, test or other evaluation;
6. collaborating with others on assignments without the faculty's consent;
7. cooperating with and/or helping another student to cheat; and/or
8. demonstrating any other forms of dishonest behavior.

Plagiarism

Plagiarism includes:

1. directly quoting the words of others without using quotation marks or indented format to identify them;
2. using sources of information (published or unpublished) without identifying them;
3. paraphrasing materials or ideas without identifying the source; and/or
4. unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic material.

Alcohol Possession and Use

Alcohol possession and use includes:

1. possessing or consuming alcoholic beverages on campus, including residence halls or during school-related activities;
2. driving under the influence of alcohol; and/or
3. participating in any activity or conduct involving the use of alcohol that is in violation of law.

Assault

Assault includes:

1. any intentional physical contact of an insulting or provoking nature, and/or
2. any physical abuse, intentional injury or physical harm to another person.

Classroom Disruption

Classroom disruption includes any classroom behavior that interferes with the instructor's ability to conduct class or the ability of other students to learn.

Disruptive classroom behavior involves physical actions, utterances, or other activities that distract, intimidate, or threaten others in a manner that interferes with either the instructor's ability to conduct the class or the ability of students to profit from the instructional program.

Disruptive behavior includes, but is not limited to, the following types of behavior:

1. Persistent interruption of others, such as speaking without being recognized
2. Interference with the normal flow of teaching and learning
3. The use of technology, such as cell phones, computers, or other devices, without the instructor's prior permission, to send text messages, make or receive calls, or otherwise divert attention from the topic at hand
4. Disrespectful actions or speech or emails directed toward instructors or class members, such as inflammatory comments or personal insults in oral or online discussions
5. Physical threats, harassment, or any speech or actions that are considered threatening by instructors or students in the class or that place individuals at risk
6. Refusal to comply with an instructor's requests for appropriate behavior

Damage or Destruction of Property

Damage or destruction of property includes causing any damage or destruction of college property or another person's property. By definition, classroom shall include any gathering of instructor(s) and students for the purposes of teaching and learning authorized by Trinity Valley Community College. Examples include but are not limited to the face to face

classes, online courses, ITV courses, and any other teaching/learning situation in which instructors engage in a teaching/learning environment as part of the college's mission.

Deception

Deception includes:

1. misusing any college records, forms or documents through forgery, unauthorized alteration, reproduction or other means;
2. giving or receiving of false information to the College or to any college official, administrator or administrative unit;
3. providing false information to law enforcement officials;
4. possessing fake, altered or any other identification that belongs to another person; and/or
5. attempting to perpetrate a fraud against the College or a member of the college community.

Disorderly Conduct

Disorderly conduct includes:

1. all lewd, obscene, indecent behavior or other forms of disorderly conduct;
2. abuse or unauthorized use of sound amplification equipment; and/or
3. any conduct which materially interferes with the normal operation of the College or with the requirements of appropriate discipline.

Disorderly/Improper Assembly

Disorderly/Improper Assembly includes:

1. any assembly for the purpose of causing a riot, destruction of property or disorderly diversion, which interferes with the normal operation of the College, and/or
2. any obstruction to the free movement of other persons about campus or the interference with the use of college facilities.

Drug Activity

Drug activity includes:

1. the possession, use, manufacture, cultivation, distribution, sale and/or misuse of any controlled or illegal substance, including designer drugs;
2. the possession and/or use of any drug paraphernalia; and/or
3. any activity or conduct involving drugs that is in violation of local, state or federal law. Use and/or possession of marijuana or other illegal drugs in the residential halls will result in suspension from the residential hall.

Failure to Comply

Failure to comply includes:

1. failing to respond to a lawful request by properly identified college officials or law enforcement officials in the performance of their duties;
2. failing to report for a conference, meeting or appointment with any college official or faculty member;
3. failing to appear and cooperate as a witness in a disciplinary case when properly notified;
4. failing to comply with any disciplinary condition imposed on a person by any judicial body or administrator; and/or
5. fleeing from law enforcement or college officials.

False Representation

False representation includes any unauthorized claim to speak and/or act in the name of Trinity Valley Community College or any organization, student, college officials or faculty members.

Felony Conviction

Felony conviction means:

1. being convicted of a felony,
2. pleading guilty to a felony,
3. pleading nolo contendere to a felony, and/or
4. receiving first offender treatment or similar pretrial diversionary treatment for a felony-grade offense.

Fire Safety

Fire safety includes:

1. failure to evacuate or immediately respond to a fire alarm;
2. participation in creating or causing a false fire alarm;
3. participation in tampering, disconnecting or altering any fire alarm system, equipment or component;
4. failure to follow the instructions of staff and emergency personnel during fire alarms;
5. the possession, use, manufacture and/or sale of any incendiary device;
6. participation in setting or causing to be set any unauthorized fire; and/or
7. the possession and/or use of any type of fireworks.

Gambling

Gambling includes engaging in any form of gambling that is in violation of the law.

Harassment

Harassment includes:

1. any act that creates an unpleasant or hostile situation for another person, especially by uninvited and unwelcome verbal or physical conduct, and/or
2. intentionally and/or repeatedly following, stalking or contacting another person in a manner that intimidates, harasses or places another in fear of his/her personal safety or that of his/her property.

Hazing

Hazing is defined as an act which endangers the emotional, mental or physical health or safety of a student, with or without his/her expressed permission, or which destroys or removes public or private property for the purpose of initiation, admission into, and affiliation with or as a condition for continued membership in a group or organization. Hazing includes acts that are intended to or actually cause physical discomfort, embarrassment and/or ridicule of another person for the purposes mentioned above. Any acts of hazing are considered violations of the Student Code of Conduct.

Joint Responsibility

Joint responsibility refers to:

1. students who knowingly act or plan to act in concert to violate College regulations, and/or
2. any student who knowingly allows another student to violate College regulations without reporting to a College official. Such students have individual and joint responsibility for their behavior.

Sexual Assault

Sexual assault includes any sexual conduct that takes place without the victim's consent. Sexual conduct will be deemed to be without the victim's consent when:

1. the victim has instructed the perpetrator not to engage in the conduct;
2. the victim is forced to submit to the act;
3. the victim is reasonably in fear that the victim or another person will be harmed if the victim does not submit to the act;
4. the victim is unable to give consent or permission or is unable to resist because of intoxication with drugs or alcohol; and/or
5. the victim is unable to give consent or permission, or is unable to resist because of any mental or physical disability.

Sexual Harassment

Sexual harassment is defined

1. as unwelcome sexual advances, requests for sexual favors or other verbal or physical conduct of a sexual nature when submission to such conduct is made explicitly or implicitly a term or condition of an individual's employment or academic standing;
2. submission or rejection of such conduct by an individual is used as a basis for an employment or academic decision affecting such individual; and/or
3. such conduct unreasonably interferes with an individual's work or academic performance or creates an intimidating or hostile work or academic environment.

Sexual Misconduct

Sexual misconduct is defined as intentional touching of the victim's intimate parts (the primary genital area, groin, inner thigh, buttock or breast) without or against the victim's consent. It includes:

1. touching either the body part directly or on the clothing covering that body part and/or
2. forcing the victim to touch an intimate area of another person.
3. Sexual conduct will be deemed to be without the victim's consent when:
 - the victim has instructed the perpetrator not to engage in the conduct;
 - the victim is forced to submit to the act;
 - the victim is reasonably in fear that the victim or another person will be harmed if the victim does not submit to the act;
 - the victim is unable to give consent or permission or is unable to resist because of intoxication with drugs or alcohol; and/or
 - the victim is unable to give consent or permission or is unable to resist because of any mental or physical disability.

Solicitation

Solicitation includes:

1. conducting an unauthorized sales campaign in a residence hall, classroom or administrative building or any other campus location, and/or
2. placing door hangers or signs on cars on campus or in on-campus residential facilities or other campus property.

Student Identification Card Violations

Student identification card violations include

1. altering, lending or selling a student identification card;
2. using a student identification card by anyone other than its original holder; and/or
3. using a student identification card in any unauthorized manner.

Theft

Theft means taking, possessing or attempting to sell or distribute any property that is the property of another person, organization or entity (including, but not limited to, the College) without the owner's permission.

Threat

Threat includes an expression of intention to inflict injury or damage and/or causing another person to feel fear for their safety or well-being.

Unauthorized Entry

Unauthorized entry into any college building, office, residence hall, off-campus residence, parking lot, motor vehicle or other facilities includes remaining in any building after normal closing hours without proper authorization, and/or remaining overnight in public areas of the residence hall or surrounding areas without approval from the College.

Unauthorized Use

Unauthorized use includes:

1. unauthorized use of college equipment;
2. unauthorized use of bathrooms, exits or windows;
3. unauthorized use or duplication of keys; and
4. unauthorized use or possession of any parking permit.

Unauthorized Use of Computer Resources

Unauthorized use of computer resources includes:

1. unauthorized entry into a file to use, read or change the contents, or for any other purpose;
2. unauthorized transfer of a file;
3. unauthorized use of another individual's identification and password;
4. use of computing facilities that interferes with the normal operation of the college computing system;
5. use of computing facilities that violates copyright laws;
6. use of tools for port-scanning, "sniffing" or monitoring or reading transmissions from other users on the network; and/or
7. any violation of the college's computer use policies.
8. All devices attached to the college network must be registered. Workstations attached to the college network are required to have virus protection software. Virus definitions must be updated at least every two weeks.

Violation of Confidentiality

Violation of confidentiality means violating the confidentiality of a student's educational record and includes judicial advocates or College Judicial Board members, who may not disclose confidential judicial information, and/or student employees, who may not disclose confidential work-related information.

Violation of Law

Violation of law is any act that violates a provision of the laws of the United States, the laws of any state in which such act occurs, the ordinances of any county, city, municipality or other political subdivision or the laws of another nation or political subdivision. Such acts are deemed to be a violation of the Student Code of Conduct when the act:

1. occurs on the campus of the College, including all property owned, leased, licensed or otherwise controlled by the College;
2. occurs in the context of any event planned, presented, sanctioned or made available by the College, any affiliate of the College or any student organization;
3. occurs at any intercollegiate athletic event in which one of the College's teams is participating, home or away; involves more than one member of the college community; and/or otherwise adversely affects the College.
4. results in an arrest and the act is classified as a misdemeanor or a felony.

Weapons and Firearms

Weapons and firearms

1. No student may keep, use, possess, display or carry any rifle, shotgun, handgun or other lethal or dangerous device capable of launching a projectile by air, gas, explosion or mechanical means (including BB guns, air-soft guns, stun guns and paintball guns) on any property owned, controlled or leased by the College unless specifically authorized in the TVCC Concealed Handgun Carry policy or by the administration or as part of a college-sanctioned event;
2. No student may use, possess, display or carry any toy weapon which resembles a real weapon, any swords, any illegal knives, any explosives (including fireworks and sparklers), any martial arts weapons or any devices which are used to threaten the safety and well-being of a person on any property owned, controlled or leased by the College unless specifically authorized by the TVCC Concealed Handgun Carry Policy or by the administration or as part of a college-sanctioned event.
3. Anything used to injure, attempt to injure or harass another person is considered a weapon.
4. Illegal or unauthorized weapons include but are not limited to handguns (unless in compliance with the TVCC Concealed Handgun Carry Policy), rifles, shotguns, explosives, other weapons or dangerous chemicals.

Student Code of Conduct Judicial Process

Summons

The judicial officer or designee may summon a student to appear before him/her in connection with an alleged violation by notifying the student

1. orally at the time of the violation,
2. via email, or
3. hand delivering a letter via a campus administrator or designee

If a student fails, without good cause, to comply with a letter of summons, the judicial officer may suspend the student from classes until the student reports.

Disposition

At a conference with the student, the judicial officer or designee will advise the student of his/her rights. After an initial investigation, the judicial officer or designee will make a ruling. If a student accepts the ruling of the judicial officer, the student will sign a statement that he/she understands the nature of the charges, his/her right to a hearing or to waive the same, the penalty imposed and the student's waiver of the right of appeal. The judicial officer will prepare an accurate, written summary of each administrative disposition of a violation. A copy will be retained and made available to the student, judicial officer, vice president of student services and College president, upon request. The student may deny the alleged violation and request to appeal the ruling of the judicial officer.

Filing a Complaint

Any member of the College community may file a complaint against a student, alleging a violation of the Student Code of Conduct. The complaint should be submitted in a timely manner in order to avoid unnecessary delays in the judicial process. Complaints must be submitted to the campus judicial officer or designee within a reasonable time following an alleged incident, not to exceed 10 College business days. A copy of all reported complaints and violations must be given to the campus judicial officer.

Palestine, Terrell, THSC, and Online Students

In cases where violations of the Student Code of Conduct occur on the Kaufman, Palestine, Terrell, or Terrell Health Science Center (THSC) campuses, the senior administrator of that campus will serve as the first step of the judicial process. Complaints on these campuses must be submitted within a reasonable time following an alleged incident, not to exceed 10 College business days. The complaint will be forwarded to the campus provost/director and that individual will communicate details of the complaint to the judicial officer who will administer the judicial process.

In cases where violations of the Student Code of Conduct occur within an online class, the director of distance learning will serve as the first step in the judicial process. Complaints from online students must be submitted within a reasonable time following the alleged incident, not to exceed 10 College business days. The complaint will be forwarded to the director of distance learning and the director will communicate details of the complaint to the judicial officer, who will continue to administer judicial process.

Sanctions

A student or student organization found responsible for violating the Student Code of Conduct is subject to one or more of the sanctions listed below, as determined by the judicial officer. Students enrolled in TVCC, regardless of their campus affiliation or mode of instructional delivery (i.e. dual credit, distance learning, etc.) are subject to said sanctions for conduct violations. The judicial officer will take into consideration previous violations of the Student Code of Conduct by the student or student organization. This may have an effect on the type and level of the sanction(s) to be imposed.

The following list of sanctions is intended to show the range of sanctions that may be imposed on a student or student organization, either individually or in combination. This list is not to be regarded as all-inclusive, but rather as a sample of sanctions that may be imposed. Other College policies and regulations may impose specific penalties for specific violations, and nothing in this article is intended to limit the imposition of those specific sanctions.

Disciplinary warning – An official written reprimand stating that unacceptable behavior has occurred, and any further inappropriate behavior or other violations of the Student Code of Conduct may result in more serious judicial actions by the College.

Restitution – Requiring restitution allows for the compensation of loss, damage or injury caused by a student's or student organization's misconduct. Compensation may take the form of appropriate service and/or monetary or material replacement.

Educational sanction - An educational sanction may consist of the assignment of specific projects to be performed by a student or student organization such as writing a research paper on a specified topic, performing community service hours, attending an educational program and/or writing reaction papers on a specified topic. Educational sanctions may also include completing mandated alcohol and drug education programs and enrolling in a web-based online alcohol and drug education program.

Loss of privileges – Specific privileges may be denied for a designated period of time.

Residential hall suspension – Student may be separated from the residential halls for a specified period of time. Students who are suspended from the residential hall are banned from all residence hall buildings during throughout the duration of the suspension.

Residential hall expulsion – Student may be permanently separated from the residential halls. Students who are expelled from the residential hall are banned from all residential hall buildings indefinitely.

Suspension – Suspension indicates that a student, by his/her actions, has forfeited the privilege of attending Trinity Valley Community College for a specified period of time. Suspended students are prohibited from entering the campus without specific authorization from the judicial officer. Students who reside on campus will have a minimum of 48 hours' notice to remove all of their belongings from the residential hall after notification that the penalty of suspension is in effect. All residential hall fees and deposits may be forfeited. Trinity Valley Community College will not recognize any academic credit earned from another institution during the period of suspension. Students must apply for readmission following suspension.

Expulsion – Expulsion is the most serious sanction that can be imposed on a Trinity Valley Community College student. Expulsion is a permanent forced withdrawal from the College. An expelled student may not enter any part of the campus without specific authorization from the judicial officer. Students who reside on campus will have a minimum of 48 hours' notice to remove all of their belongings from the residential hall after notification that the penalty of expulsion is in effect.

Deferred suspension- The student will be required to complete several sanctions or conditions during an allotted time. If any assigned sanction or condition is not met within the time allotted, suspension will be added as a sanction. In order to return to Trinity Valley after suspension, the student must complete all sanctions and conditions originally assigned.

Appeal Procedure

Misconduct Warranting a Sanction Less than Suspension or Expulsion

Judicial Council/Vice President of Student Services

If a student commits a disciplinary action that TVCC believes warrants a sanction other than suspension or expulsion, the student may appeal the decision to the Judicial Council within two days of notification. This appeal will be based on written documentation only. No hearing will be held, and no further appeal is available. Depending upon the severity of the misconduct and whether or not the College believes there is a danger to other students, if the accused student lives on campus, the accused student may be required to leave student housing while the appeal is heard.

The Judicial Council/Vice President of Student Services shall be convened in cases when the judicial officer's ruling will **not** result in suspension or expulsion, and the student wishes to appeal the decision. These appeals will be based on written documentation only. The VPSS or designee will notify the Judicial Council of the appeal and will provide all appropriate documentation. The judicial officer will notify the student of their decision. The council or vice president may decide to uphold the original sanction, apply no sanction at all, or may choose to render its own sanction. The decision of the Judicial Council/Vice President of Student Service is final and no further appeal is available.

The Judicial Council consists of two faculty or professional staff and one student.

Misconduct Warranting Suspension or Expulsion

Disciplinary Committee

If the judicial officer or designee determines that the student committed misconduct that warrants suspension or expulsion from the college, the student may appeal the decision to the Disciplinary Committee. If the student chooses to appeal, he/she must submit the written appeal within ten class days. Depending upon the severity of the misconduct and whether or not the College believes there is a danger to other students, if the accused student lives on campus, the accused student may be required to leave student housing while the appeal is heard.

The Disciplinary Committee shall be convened in cases where the judicial officer's ruling results in suspension or expulsion from the college and the student wishes to appeal the decision. The VPSS or designee will notify the Disciplinary Committee of the appeal and will provide all appropriate documentation and evidence. The Disciplinary Committee's decision is final except in cases when the student believes he/she was not afforded due process. In these cases, the student can make one final appeal to the College president who will review the case to ensure due process was given. The committee may decide to uphold the original sanction, apply no sanction at all, or may choose to render its own sanction.

Disciplinary Committee Hearing Notice

The judicial officer or designee shall notify the student by written letter of the date, time and place for the hearing. Unless the student and the judicial officer or designee otherwise agree, the hearing shall take place within a reasonable time period, not to exceed 10 College business days after the date of the student's request for the hearing or the judicial officer or designee's determination that the student should be suspended.

If a student fails to appear for the hearing without good cause, the disciplinary committee may impose appropriate punishment upon the student. For purposes of assessing punishment, the committee may proceed with the hearing in the student's absence.

The hearing shall proceed as follows:

1. The chairperson shall read the description of the misconduct.
2. The chairperson shall inform the student of his or her rights.
3. The designated official or representative shall present the College's case.
4. The student or representative shall present the student's defense.
5. The designated College official or representative shall present rebuttal evidence.
6. Witnesses testifying on behalf of the student or the college may present information. The committee members may ask questions of witnesses testifying on behalf of the student or the College. The committee may summon students, faculty, staff, or others as deemed necessary.
7. The designated official or representative shall summarize and argue the College's case.
8. The student or representative shall summarize and argue his or her case.
9. The designated official or representative shall have an opportunity for rebuttal argument.
10. The committee members may set reasonable time limits for any part of the hearing.
11. The committee members shall deliberate in closed session. The committee members shall vote on the issue of whether or not the student violated College policies and procedures, including the rules for student conduct. The decision must be by a majority vote.
12. If the committee finds the student did commit misconduct, the committee shall determine whether the penalty assessed, or proposed by the judicial officer or designee is appropriate and, if necessary, shall assess a different or additional penalty.
13. The committee chairperson shall communicate the decision and any findings of facts in support of the committee's decision to the judicial officer and the student in writing within 10 College business days of the hearing. The Disciplinary Committee's decision is final except in cases when the student believes he/she was not provided due process. In these cases, the student can appeal to the College president and the president will review to determine if due process was afforded the student.

All hearings shall be recorded by the College.

Appeal to the College President

The Disciplinary Committee's decision is final except in cases when the student believes he/she was not afforded due process. In these cases, the student may make one final appeal to the College president who will review the case to ensure due process was given. If the president determines due process was given, the decision of the Disciplinary Committee will stand. If the president determines due process was not provided, the president will return the case to the appropriate step in the proceedings.

Concealed Handgun Carry

Trinity Valley Community College is committed to providing a safe environment for students, faculty, staff, and visitors, and to respecting the right of individuals who are licensed to carry a handgun where permitted by law. The Concealed Handgun Carry Policy applies to all faculty, staff, students, guests, visitors, and organizations conducting business with the college on all college premises, including the Ranch Management property and Rodeo Arena. The policy does not apply to commissioned peace officers as defined by article 2.12 of the Texas Code of Criminal Procedures.

Concealed Handgun Carry by a Licensed Holder

A license holder may carry a concealed handgun on or about their person while on the campus premises (including public driveways, streets, sidewalks, or walkways, parking lots, parking garages and other public areas) only as specifically authorized in the

Concealed Handgun Policy and Texas Statute. The entire Concealed Handgun Carry Policy may be accessed at www.TVCC.edu/police.

Open Handgun Carry

All persons, including license holders, are prohibited from openly carrying a handgun on all Trinity Valley Community College campus premises, including on any public driveway, street, sidewalk, or walkway, parking lot, parking garage or other parking area on the campus premises.

Criminal Background Disclosure

Criminal history **MAY** disqualify individuals from obtaining or maintaining licenses, certifications, and/or employment.

TVCC awards some certificates and degrees in which a criminal history **may** disqualify candidates from becoming licensed, certified, and/or employed upon degree/certificate completion. Students **with** a criminal background enrolling in courses leading to a degree/certificate in criminal justice, cosmetology, early childhood, esthetician, nail technician, heating/ventilation/air conditioning (HVAC), electrical lineworker, electrical trades, plumbing trades, emergency medical technology (EMT), clinical medical assistant, nurse aide, vocational nursing (VN), associate degree nursing (ADN), RN-to-BSN, surgical technology, patient care technology, or pharmacy technician program are **strongly encouraged** to discuss the certification and/or licensing regulations of the program with the TVCC program director listed in the current catalog to learn more about the current guidelines related to criminal history as well as the right of individuals to request a criminal history evaluation letter.

Drug and Alcohol

Trinity Valley Community College strongly believes the use and abuse of drugs and/or alcohol can be detrimental to the health of individuals and disruptive to the proper functioning of the College. Therefore, the College has an important responsibility to prevent, assist and correct any alcohol or drug related activity that might be present among the students and has established the following policy.

1. Drug Violations – Students who are found to have violated the school's drug policy must submit to the following sanctions, at a minimum:
 - a. First Offense:
 - i. The student will be placed on disciplinary warning.
 - ii. The student must enroll in a drug education counseling course as arranged by the judicial officer. The cost of this course will be the sole responsibility of the student.
 - iii. The student must submit to a drug test between 30 and 45 days after the date of the initial incident.
 - b. Second Offense:
 - i. The student will be placed on disciplinary probation.
 - ii. The student will be fined \$150.
 - iii. The student must submit to a drug test between 30 and 45 days after the second offense. If the student is an athlete or a member of a performing group they will immediately be suspended for the subsequent 25% of their team's remaining regular season schedule as determined by the judicial officer and that group's coach or director and must pass a drug test before reinstatement.
 - c. Third Offense:
 - i. If the student is found to have violated the policy for a third time (regardless of time elapsed between violations) the student will automatically be suspended from TVCC for a minimum of two long semesters.
 - ii. Additional requirements pertaining to substance abuse may be required as a condition of readmission.
2. Use and/or possession of marijuana or any illegal drugs in the residential halls will result in suspension from the residential halls.
 - a. Drug Testing:
 - i. All students who are members of college sponsored programs (as determined by the vice president of student services) must be drug tested within four weeks of the beginning of the fall semester and before the first regular season game. Students who enter in the spring must be tested before they are allowed to participate in any organized activities.

- ii. College sponsored groups will also submit to a random drug testing schedule (at least two times per semester) with 20% of each group's roster subject to testing. These will be randomly selected through a drawing selection process conducted by the judicial officer and communicated to the athletic director. This is a minimum random testing procedure. The athletic director maintains the authority to drug test any athlete, if sufficient evidence exists. Students testing positive will be found in violation of the Student Code of Conduct and must adhere to the sanctions listed above.
 - iii. The judicial officer, if sufficient evidence exists, may request that any student be drug tested. If the student passes the test, he/she will be assumed innocent and the cost of the test will be the responsibility of the College. If the student should fail the test, the cost of the test will be the responsibility of the student. A student may refuse the test and therefore will be assumed guilty and must adhere to the sanctions listed above.
3. Alcohol Violations – Students who are found to have violated the school's alcohol policy must submit to the following sanctions, at a minimum:
- a. First Offense:
 - i. The student will be placed on disciplinary warning
 - ii. The student must enroll in an alcohol education counseling course as arranged by the judicial officer. The cost of this course will be the sole responsibility of the student.
 - b. Second Offense:
 - i. The student will be placed on disciplinary probation.
 - ii. The student will be fined \$150.
 - iii. If the student is an athlete or a member of a performing group, they will immediately be suspended for the subsequent 10% of their team's remaining regular season schedule as determined by the judicial officer and that groups coach or director.
 - c. Third Offense:
 - i. If the student is found to have violated the policy for a third time (regardless of time elapsed between violations), the student will automatically be suspended from TVCC for a minimum of two long semesters.
 - ii. Additional requirements pertaining to substance abuse may be required as a condition of readmission.

Sexual Assault

Sexual Assault Policy and Procedure

In accordance with Texas HB 699, it is the policy of Trinity Valley Community College (TVCC) to provide an educational and working environment for its students, faculty and staff that is free from sex and gender discrimination, sexual harassment, sexual assault, sexual misconduct, interpersonal violence (including domestic violence and dating violence) and stalking. In accordance with federal and state law, TVCC prohibits discrimination on the basis of sex and gender and prohibits sexual harassment, sexual assault, sexual misconduct, interpersonal violence and stalking.

TVCC will not tolerate sex and/or gender discrimination (including discrimination on the basis of gender orientation, gender identity or gender expression), sexual harassment, sexual misconduct or physical abuse, threats of violence, physical assault, or any form of sexual violence, including but not limited to sexual assault, acquaintance rape, domestic violence, dating violence, or stalking (referred to as “prohibited behavior”). Individuals who alone, or in concert with others, participate or attempt to participate in prohibited behavior described in this policy are subject to disciplinary action by TVCC, notwithstanding any action that may or may not be taken by civil or criminal authorities. Students who engage in such prohibited conduct will be subject to disciplinary action as provided in this catalog (Student Code of Conduct section). Employees who engage in such prohibited conduct will be subject to disciplinary action as provided by TVCC Board Policy. For prohibited behavior, refer to the Student Code of Conduct section in this catalog.

For individuals who would like to pursue criminal charges for an alleged violation mentioned above, or would like to seek an order of protection, the definitions contained in the Texas Penal Code would apply, not the definitions contained in the policy of the Student Code of Conduct or Employee Handbook.

Sexual Assault Sanctions

For incidents that violate this policy, sanctions range from warnings through expulsion. Serious and violent incidents and acts of non-consensual sexual intercourse (the policy equivalent to the crime of rape) usually result in suspension, expulsion or termination of employment. College sanctions are given independently of a criminal investigation. College personnel will cooperate with local community agencies and/or law enforcement if criminal charges are pursued.

Procedure For Reported Incidents of Sexual Assault

TVCC strongly encourages the prompt reporting of prohibited conduct covered by this policy. Delays in reporting can greatly limit TVCC's ability to stop the alleged conduct, collect evidence and/or take effective action against individuals or organizations accused of violating this policy. A report of alleged violations of this policy may be made by:

- a person who believes they experienced prohibited conduct (a complainant); and/or
- a person who has information that prohibited conduct may have been committed (a reporter).

When TVCC receives a report of sexual assault, sexual misconduct, sexual harassment, gender-based violence or other sex or gender discrimination on the campus, the Title IX Coordinator is notified. If the victim wishes to access local community agencies and/or law enforcement for support, TVCC will assist the victim in making contacts to local community agencies and/or law enforcement.

Contact the Campus Police at 903-675-6235 located in the Athens campus Math/Journalism building room 105, Student Judicial office 903-675-6256 located in the Athens campus Administration building suite AD127, or the Director of Human Resources 903-675-6215 located in the Athens campus Administration building suite AD 214 if you need assistance with TVCC-related concerns, such as no-contact orders or other protective measures. An anonymous report may be submitted through the *Discrimination, Harassment, Title IX, and Retaliation Report Form*. The campus police, director of human resources and counselor will also assist in any needed advocacy for students who wish to obtain protective or restraining orders from local authorities. TVCC is able to offer reasonable academic accommodations, changes to living arrangements, transportation accommodations, escorts, no contact orders, counseling services access and other supports and resources as needed by a victim.

The Title IX Coordinator will offer assistance to complainants in the form of interim or long-term measures such as opportunities for academic accommodations, changes in housing for the complainant or the responding student, visa and immigration assistance, changes in working situations and other assistance as may be appropriate and available on campus or in the community (such as no contact orders, campus escorts, transportation assistance, targeted interventions, etc.).

If the complainant so desires, he/she will be connected with a counselor on- or off-campus, as well as an on- or off-campus victim's advocate. No complainant is required to take advantage of these services and resources, but TVCC provides them in the hopes of offering help and support without condition or qualification. A summary of rights, options, supports and procedures, in the form of this document, is provided to all complainants, whether they are a student, employee, guest or visitor.

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When appropriate upon receipt of notice, the Title IX Coordinator will cause a prompt, fair and impartial process to be initiated, commencing with an investigation which may lead to the imposition of sanctions, based upon a **preponderance of evidence (what is more likely than not)**, upon a responding student or other accused individual(s). Title IX procedures detailing the investigation and resolution processes of TVCC can be found online:

Title IX webpage

The investigation and records of the resolution conducted by the College are maintained confidentially. Information is shared internally between administrators who need to know, but a tight circle is kept. Where information must be shared to permit the investigation to move forward, the person bringing the accusation will be informed.

Privacy of the records specific to the investigation are maintained in accordance with Texas law and the federal FERPA statute. Any public release of information to comply with the open crime logs or timely warning provisions of the Clery Act will not release the names of victims or information that could easily lead to a complainant's identification. Additionally, TVCC maintains privacy in relation to any accommodations or protective measures afforded to a complainant, except to the extent necessary to provide the accommodations and/or protective measures.

In any complaint of sexual assault, sexual misconduct, sexual harassment, stalking, dating violence, domestic violence or other sex or gender-based discrimination covered under the federal law, Title IX, the person bringing the accusation and the responding party are entitled to the same opportunities for a support person or advisor of their choice throughout the process, including any meeting, conference, hearing or other procedural action. Once complete, the parties will be informed, in writing, of the outcome, including the finding, the sanctions (if any) and the rationale therefor. Delivery of this outcome to the parties will occur without undue delay between notifications. All parties will be informed of the College appeal processes, and their rights to exercise a request for appeal. Should any change in outcome occur prior to finalization, all parties will be timely informed in writing, and will be notified when the results of the resolution process become final.

Tobacco

The College shall be a tobacco-free institution committed to providing its students and employees with a safe and healthy environment. The use of tobacco products of any kind, including e-cigarettes shall be prohibited on all College property, in all College facilities, and at all College related activities and events. This shall include all buildings, grounds, sidewalks and streets within the campus property. This policy applies to all students, staff, faculty, and visitors--and also applies to all College vehicles.

Life Threatening Behavior

When it is determined by Campus Police and/or the Behavioral Intervention Team that a student may pose a danger to themselves or others, the student will be referred to the college mental health counselor and the chair of the Behavioral Intervention Team to conduct a non-clinical suicidal assessment. If the student is determined to be a threat to themselves, they will be referred to the hospital emergency room for a further clinical assessment by the mobile crisis unit. Once the student has returned to campus a referral to the campus counselor will be given.

Family Education Rights and Privacy Act of 1974

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution at any age.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day the Trinity Valley Community College (TVCC) receives a request for access. A student should submit to the registrar or other administrative personnel a written request that identifies the record(s) the student wishes to inspect. The TVCC official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the TVCC official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask TVCC to amend a record should write the TVCC official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. If TVCC decides not to amend the record as requested, TVCC will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before TVCC discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

TVCC discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official typically includes a person employed by TVCC in an administrative, supervisory, academic, research or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of TVCC who performs an institutional service or function for which TVCC would otherwise use its own employees and who is under the direct control of TVCC with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for TVCC.

Upon request, TVCC also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by TVCC to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202

See the list below of the disclosures that TVCC may make without consent.

FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in § 99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information and disclosures to the student, § 99.32 of FERPA regulations requires TVCC to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. TVCC may disclose PII from the education records without obtaining prior written consent of the student:

1. To other school officials, including teachers, within TVCC whom the school has determined to have legitimate educational interests. This includes contractors, consultants, volunteers or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in § 99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(3) are met. (§ 99.31(a)(1))
2. To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of § 99.34. (§ 99.31(a)(2))
3. To authorized representatives of the U. S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local educational authorities, such as a state postsecondary authority that is responsible for supervising TVCC's state-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of federal- or state-supported education programs, or for the enforcement of or compliance with federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation or enforcement or compliance activity on their behalf. (§§ 99.31(a)(3) and 99.35)
4. In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid or enforce the terms and conditions of the aid. (§ 99.31(a)(4))

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5. To organizations conducting studies for or on behalf of TVCC in order to:
 - a. develop, validate or administer predictive tests;
 - b. administer student aid programs; or
 - c. improve instruction. (§ 99.31(a)(6))
6. To accrediting organizations to carry out their accrediting functions. (§ 99.31(a)(7))
7. To parents of an eligible student if the student is a dependent for IRS tax purposes. (§ 99.31(a)(8))
8. To comply with a judicial order or lawfully issued subpoena. (§ 99.31(a)(9))
9. To appropriate officials in connection with a health or safety emergency, subject to § 99.36. (§ 99.31(a)(10))
10. Information TVCC has designated as "directory information" under § 99.37. (§ 99.31(a)(11))
11. To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of § 99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§ 99.31(a)(13))
12. To the general public, the final results of a disciplinary proceeding, subject to the requirements of § 99.39, if TVCC determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of TVCC's rules or policies with respect to the allegation made against him or her. (§ 99.31(a)(14))
13. To parents of a student regarding the student's violation of any federal, state, or local law, or of any rule or policy of TVCC, governing the use or possession of alcohol or a controlled substance if TVCC determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

Granting Access to Your Student Records through Student Records Release

Students can give FERPA release to another individual to access certain areas of their student account through MyCardinalConnect. Please contact the Registrar's Office for more information: registrar@TVCC.edu.

Higher Education Opportunity Act

Peer-to-Peer File Sharing Requirements

In 2008, Congress passed and the president signed the Higher Education Opportunity Act (HEOA). Several of the Act's provisions are intended to reduce unauthorized duplication of copyrighted works through peer-to-peer (P2P) file sharing on campus networks. TVCC disseminates this notice in compliance with that legislation and the Department of Education's regulations in 34 C.F.R. Part 668 (Subpart D).

It is **strongly advised** that students read this notice thoroughly and give it careful consideration.

Trinity Valley Community College provides various information technology resources, including connectivity to a high speed network that help students accomplish their educational goals. When a student activates his/her TVCC Cardinal ID, he/she agrees to abide by the College's Acceptable Use Policy outlined in TVCC Board Policy CR (LOCAL). More specifically, he/she agrees not to use College resources for unauthorized duplication, use or distribution of copyrighted materials, including, but not limited to, music and video files. The College considers unauthorized peer-to-peer file sharing of copyrighted music and videos to be an inappropriate use of its network resources. Furthermore, such activity is illegal under the Digital Millennium Copyright Act (DMCA) and exposes users to serious civil and criminal penalties.

Minor Children on Campus

At times, classes and activities for minor children are offered at the College. On these occasions, minor children are invited to take advantage of these opportunities. At other times, however, parents are cautioned that minor children are not permitted to remain unattended on campus or to attend classes with parents. Non-students under the age of 18 are not allowed to visit students in the housing areas. Permission may be granted for special circumstances by the Vice President for Student Services.

Student Image Use Guidelines

The following guidelines apply to the use of photos, videos, and/or audio recordings ("Image" as used herein) of TVCC students that are maintained and distributed by TVCC. These guidelines do not apply if an Image is not being taken or distributed by TVCC.

TVCC has designated student Images as directory information under the Family Educational Rights and Privacy Act ("FERPA") if such Images are taken at a public event or in a public space where there is no reasonable expectation of privacy. Thus, a release is not needed from a student for such Images that are directory information.

Further, a release is not needed if a student's Image is incidentally captured only as part of a background, or in a large group shot, or there is not a specific focus on the student.

A photo release will be supplied to the student by TVCC if required hereunder. A photo release is only typically required if:

- The student is the primary focus of the Image, is recognizable, and the Image was taken in a non-public setting or at a non-public event.
- The student was asked to be photographed or in a video and agreed to same.
- A minor is being photographed or videotaped.

ACADEMIC REGULATIONS

Academic Grievance procedure

TVCC encourages students to discuss their concerns and complaints, including academic grade appeals, through informal conferences with the appropriate instructor. Regardless of the instructional mode of delivery or location, students should express concerns as soon as possible to allow early resolution at the lowest possible administrative level. If an informal conference regarding a complaint fails to reach the outcome requested by the student, the student may initiate the formal process delineated in TVCC Board Policy FLD (LOCAL) and outlined below. The process begins by timely filing a written complaint form with the appropriate College personnel. Even after initiating the formal complaint process, students are encouraged to seek an informal resolution to their concerns.

A student whose concerns are resolved may withdraw a formal complaint at any time. The following grievance process **does not** apply to:

- complaints alleging discrimination or harassment based on race, color, gender, national origin, disability, or religion;
- complaints concerning retaliation related to discrimination and harassment;
- complaints concerning disciplinary decisions;
- complaints concerning a commissioned peace officer who is an employee of the College.

Students may not appeal grades recorded on permanent records after one year from the date the grade was recorded.

The following grievance process is designated for students who want to appeal an academic decision that does not involve a grade:

Non-Grade Appeal Academic Grievance – Level One

A student who wishes to file a formal complaint must do so in writing within 15 college business days of the decision or action giving rise to the complaint or grievance. Students should present the written complaint to the appropriate division chairperson/Associate Vice President and/or the appropriate campus director, who will schedule a conference with the student within ten college business days after receiving the written complaint. Copies of documents supporting the complaint should be attached to the written complaint.

After the initial conference with the level one administrator, students may submit no new documents unless they did not know the documents existed before the initial conference.

The administrator will have ten days following the conference to provide the student with a written response to the complaint.

Non-Grade Appeal Academic Grievance – Level Two

If the outcome of the level one appeal is not to the student's satisfaction, or if the time for a response has expired, the student has ten college business days to file a written Notice of Appeal and to request a conference with the Vice President of Instruction. Students must file the written appeal notice within ten college business days of the date of the written level one decision. The level two administrator will schedule the requested conference within ten college business days of receiving the written Notice of Appeal and the request for a conference. The Vice President of instruction may set reasonable time limits for the meeting.

The administrator with whom the level two conference was held will have ten college business days following the conference to provide the student with a written response to the appeal.

Non-Grade Appeal Academic Grievance – Level Three

If the outcome of the meeting with the level two administrator is not to the student's satisfaction, or if the time for a response has expired, the student has ten college business days to file a written Notice of Appeal and to request a conference with the college President or designee. Students must file the written appeal notice within ten college business days of the date of the written level two response. The college President or designee will hold the requested conference within ten college business days of receiving the written Notice of Appeal and the request for a conference. The college President or designee may set reasonable time limits for the meeting.

The college President or designee will have ten college business days following the conference to provide the student with a written response to the appeal.

Non-Grade Appeal Academic Grievance – Level Four

If the conference's outcome with the college President or designee is not to the student's satisfaction, or if the time for a response has expired, the student has ten college business days to file a written Notice of Appeal to request a conference with the college board of trustees. Students must file the written appeal notice within ten college business days of the date of the written level three response. The requested conference will be placed on the agenda for the next scheduled board meeting after receiving the written Notice of Appeal/request for a conference.

The student will present their complaint in an open or closed meeting in accordance with the Texas Open Meetings Act and other applicable laws. The board shall hear the complaint and may request that the administration provide an explanation for the decisions at the preceding levels. It may give notice of its decision orally or in writing at any time up to and including the next regularly scheduled board meeting. If for any reason, the board fails to reach a decision regarding the complaint by the end of the next regularly scheduled meeting, the lack of a response by the board upholds the administrative decision at level three.

The following grievance process is designated for students who want to appeal an academic decision that involves a grade:

Grade Appeal Academic Grievance – Level One

A student who wishes to file a formal complaint must do so in writing within 15 college business days of the decision or action giving rise to the complaint or grievance. Students should present the written complaint to the appropriate division chairperson/Associate Vice President and/or the appropriate campus director, who will schedule a conference with the student within ten college business days after receiving the written complaint. Copies of documents supporting the complaint should be attached to the written complaint.

After the initial conference with the level one administrator, students may submit no new documents unless they did not know the documents existed before the initial conference. The administrator will have ten days following the conference to provide the student with a written response to the complaint.

Grade Appeal Academic Grievance – Level Two

If the outcome of the level one appeal is not to the student's satisfaction, or if the time for a response has expired, the student has through the last regular class of the next long semester after receiving the grade to request a hearing with the Academic Appeals Committee in accordance to the process outlined below. Students should address the written appeal to the Vice President of Instruction.

Academic Appeals Committee

The purpose of the Academic Appeals Committee is to provide an opportunity for a student to have a hearing when they believe a credit course grade adversely affected their academic standing or was unfairly imposed. This process applies to all students, regardless of instructional location or mode of delivery.

After grade disputes have proceeded through the above outlined appellate channels, a student may appeal their grade dispute to the Academic Appeals Committee. Students must submit a written request for a hearing to the chairperson of the Academic Appeals Committee. The hearing will be conducted on the TVCC Athens campus and attended only by those persons authorized by the committee chairperson. Should the appeal process involve a dispute for an online course, the committee may arrange to conduct the hearing virtually. Neither the student nor the College will have an attorney present. This appeal is not an adversarial process.

The committee will decide whether the credit course grade imposed in a particular case is justified and either upholds the posted grade or recommends an alternate course of action to the Vice President of instruction. Students may expect, except in unusual circumstances, that the Vice President of Instruction will implement the committee's recommendation.

The Academic Appeals Committee is a standing committee of the College. For each hearing, the composition of the committee includes a chairperson, who does not vote unless there is a tie, three faculty/staff members appointed by the President, one member of the administrative staff appointed by the President, and three students selected by the chairperson of the Academic Appeals Committee. The committee makes its decisions based on a majority vote. The Academic Appeals Committee chair will notify the student and college officials, in writing, of the committee's decision, usually within ten class days of the hearing.

Students must file appeals to the Academic Appeals Committee with the Vice President of Instruction no later than the last regular class day of the subsequent long semester after receiving the grade. Failure to comply with this deadline will waive the student's right to appeal.

Grade Appeal Academic Grievance – Level Three

If the outcome of the conference with the Academic Appeals Committee is not to the student's satisfaction, the student has ten college business days to file a written Notice of Appeal and to request a conference with the Vice President of Instruction. Students must file the written appeal notice within ten college business days of the date of the academic appeals response. The Vice President of Instruction will schedule the requested conference within ten college business days of receiving the written Notice of Appeal. The Vice President of Instruction may set reasonable time limits for the conference.

The administrator involved in the level three conference will have ten college business days following the conference to provide the student with a written response to the decision.

Grade Appeal Academic Grievance – Level Four

If the conference's outcome with the Vice President of instruction is not to the student's satisfaction or if the time for a response has expired, the student has ten college business days to file a written Notice of Appeal and to request a conference with the college President or designee. Students must file the written appeal notice within ten days of the written level three response date. The college President or designee will hold the requested conference within ten college business days of receiving the written Notice of Appeal and the request for a conference.

The college President or designee will provide the student with a written response within ten college business days following the conference.

Grade Appeal Academic Grievance – Level Five

If the conference's outcome with the college President or designee is not to the student's satisfaction, or if the time for a response has expired, the student has ten college business days to file a written Notice of Appeal and request a conference with the TVCC Board of Trustees. Students must file the written appeal notice within ten college business days of the written level four response date. The TVCC Board of Trustees will place the requested conference on the next scheduled board meeting agenda after receiving the written Notice of Appeal/request for a conference.

The student will present their complaint in an open or closed meeting in accordance with the Texas Open Meetings Act and other applicable laws. The board shall hear the complaint and may request that the administration explain the decisions at the preceding levels. It may give notice of its decision orally or in writing at any time up to and including the next regularly scheduled board meeting. If for any reason, the board fails to reach a decision regarding the complaint by the end of the next regularly scheduled meeting, the lack of a response by the board upholds the administrative decision at level four.

Academic Integrity

Academic integrity is the pursuit of scholarly activity in an open, honest, and scholarly manner. It is a basic guiding principle for all academic activity at Trinity Valley Community College. TVCC expects all College community members to act according to this principle. Consistent with this expectation, the College states that all students shall act with personal integrity, respect other students' dignity, rights, and property, and help establish and maintain an environment where all can succeed.

TVCC will handle violations of academic integrity as outlined in the Student Code of Conduct (p. 137) section of this catalog.

Academic Load

Every college course is assumed to involve a significant amount of non-contact hours for out-of-class student learning and reflection. In accordance with the Texas Administrative Code (TAC), Title 19, Part 1, Chapter 4, and to ensure the quality of student learning, TVCC students are not allowed to carry more courses in any semester (that is, regular or shortened term) than would allow them to earn more than one semester credit hour per week over the course of the semester. For example, in a five-and-a-half-week summer term, students should not generally be allowed to enroll for more than six semester credit hours.

The normal course load for the fall or spring semester shall be 15 semester hours. Course loads above 18 semester hours shall require approval by the Vice President of Instruction. The maximum course load shall be no more than 22 semester hours.

The normal course load for the summer session shall be six semester hours for each six-week session or 12 semester hours for a full summer term. Course loads above six semester hours per six-week session or 12 semester hours per summer semester shall require approval by the Vice President of Instruction. The maximum summer credit hours earned shall be eight semester hours per six-week session or 16 semester hours for a full summer term.

The college may limit the course load of a student on probation to fewer hours in required courses if deemed necessary by the Retention Specialist (p. 193).

Adding and/or Dropping Courses

After classes begin, schedule change procedures must be initiated in the Advisement Center. No course may be changed or added after the deadline date designated by the College calendar. In order for a drop to be processed, **on or before** the published drop deadline, students should either:

- Submit a drop request through MyCardinalConnect portal; or
- Submit a Student Drop Request

Visit the Advisement Center for assistance, if needed.

A student who officially drops from one or more courses will receive the grade of W if such drop is completed on or before the withdrawal deadline specified in the college calendar. **It is the student's responsibility to officially drop a course or verify that the instructor has initiated the drop procedure.** A student wishing to completely withdraw from the college must submit a Student Drop Request. **It is the student's responsibility to check with the Financial Aid Office to see what implications may result from dropping one or more courses.** **Note:** If a student receives Title IV funds (Pell, FSEOG and/or student loans) and withdraws from TVCC, **he/she may owe a refund to the Department of Education. This should be verified by the financial aid office prior to withdrawing.**

Attendance Policy

Responsibility for class attendance rests with the student. Therefore, the student is responsible for officially withdrawing from a course or verifying that the instructor has initiated the withdrawal procedure. TVCC expects regular and punctual attendance in all classes. When a student has a legitimate reason for being absent, the instructor may permit the student to make up work missed and may require an explanation for the absence. If a student's absence is the result of them representing the College and attending a school-sponsored activity or event, the student **will only** be permitted to make up work in accordance with the policies/guidelines of the class and as they are outlined in the course syllabus.

Administrative Drop

Trinity Valley Community College is committed to student success and maintaining accurate enrollment records as state and federal agencies require. Students who do not attend in person or complete and submit the Student Success Agreement on or before the census date will be administratively dropped from the course. Instructors will use the following methods to determine a student's attendance at the census date. *Face-to-face course (not utilizing Canvas): Attendance in face-to-face courses will be based on in-class attendance on or before the census date. Canvas course (regardless of modality):* Attendance in courses requiring Canvas participation will be determined by completing the Student Success Agreement on or before the census date. Students who are administratively dropped from a course will be given a 100% refund for the course, which will not affect their GPA or 6-limit withdrawal count. Students documented as not attending a course upon the census date are assumed (for financial aid purposes) to have **not** begun attendance for that course, which may negatively affect financial aid disbursements.

Excessive Absences

Instructors may choose to withdraw students for excessive absences. Some instructors use the guidelines below to determine excessive absences. Please refer to the course syllabus for specific information on attendance requirements.

Fall or Spring Semester 16-Week Semester

Six absences — Monday/Wednesday classes

Six absences — Tuesday/Thursday classes

Three absences — Classes meeting one time per week

Summer Semester

Two absences — Classes meeting two evenings per week

Four absences — Classes meeting four days per week

Excused Absences For Religious Holy Days

A student shall be excused from attending classes or other required activities, including examinations, to observe a religious holy day, including travel for such purposes. A religious holy day means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code.

A student whose absence is excused under this provision may not be penalized for that absence and will be allowed to take an examination or complete an assignment within a reasonable time after the absence. The instructor may appropriately respond if the student fails to complete the assignment or examination satisfactorily.

Excused Absences For Active Duty Military

Texas Education Code (TEC) 51.9111 requires that any Texas public institution of higher education shall excuse a student from attending classes or engaging in other required activities (including examinations) for the student to participate in active military service. A student so excused may not be penalized for that absence and must be allowed to complete assignments or take examinations within a reasonable time after the absence. A student called to active duty will be allowed to receive incomplete grades in their current semester. The incomplete grade should be completed during the next long semester by contacting the professor and completing the incomplete assignments satisfactorily. In

some circumstances, special arrangements for an extension of time with the professor may be made. Please contact the Registrar for more information.

Auditing a Course

For information on auditing a course, contact the Adult and Continuing Education Department at contEd@TVCC.edu.

Civility Statement

Students are expected to assist in maintaining a classroom environment that is conducive to learning. In order to assure that everyone has opportunity to gain from time spent in class, inappropriate or distracting classroom behavior is prohibited. Should a disruptive classroom incident occur, the faculty member in charge may remove the student on either a temporary or permanent basis. Students have the right to appeal through the appropriate channels. Refer to the Student Code of Conduct section of this publication for more information.

Classification of Students

- Freshman: student who has less than 30 semester hours.
- Sophomore: student who has credit for at least 30 semester hours of work.
- Junior: student in their third year of a bachelor's program.
- Senior: student in their fourth year of a bachelor's program.

College Credit Policy

Alternative Methods of Earning Credit

Academic credit may be granted through alternative methods, including those listed below, Credit by Examination, and Articulated Credit. Earning credit via alternative means is reserved for students who are currently enrolled at TVCC and have a declared major, appropriate for the credit being requested. Credit awarded by one of the alternative methods listed below will appear on the student's transcript when all required conditions are met, but will not be used for grade point average calculations.

Trinity Valley Community College cannot guarantee that any credit received through alternative methods will be recognized by transfer institutions. As such, students are encouraged to verify transferability prior to applying for credit. Each request will be reviewed for appropriateness and approval.

Conversion of Continuing Education to Academic Credit

Credit for workforce education courses may be awarded for learning achieved through the Trinity Valley Community College Continuing Education program. Students must meet the same academic rigor as those students taking the course for academic credit, earning a C or higher to qualify for credit in the equivalent academic course. Students should contact the Adult and Continuing Education department or associate vice president of workforce education for additional information. A processing fee for this conversion applies.

TDCJ Pre-Service and In-Service Training

TDCJ employees who have completed the TDCJ pre-service and/or in-service training provided by Trinity Valley Community College on or after June 1, 2016 are eligible to convert the continuing education credit received during their training to academic credit for coursework required in TVCC's correctional science certificate of completion. Contact the associate vice president of correctional programs for more details. A processing fee for this conversion applies.

Industry and Local Articulation

Credit for continuing education, high school CTE and other industry certification courses may be awarded for successful completion of approved courses and/or approved industry certifications and licensures. Students must have earned a C or higher in courses to qualify for credit award. Students should contact the associate vice president of workforce education for additional information. A processing fee for this conversion applies.

Credit by Examination

Credit by Exam: ACT, SAT & Advanced Placement (AP)

Trinity Valley Community College will award academic credit to students whose scores on the ACT, SAT or Advanced Placement (AP) exams meet or exceed those outlined in the charts below. In order for credit by exam to be awarded, the following stipulations must be met:

- Students must have a minimum of three semester hours in residence at TVCC.
- Student must be TSI complete in the corresponding section before the credit by exam will be posted to the student's transcript.
- Students requesting college credit based on ACT, SAT, CEEB or CLEP scores must submit official scores to the Registrar's Office
 - Submitted placement scores must have been earned within the previous five years.

The credits stated below are in accordance with Trinity Valley Community College policies and do not guarantee acceptance by transfer universities.

- Exam credit may not be earned for any course in which the student has already earned a passing grade. Exam credit will not be awarded for any courses in which a student is currently enrolled.

When a student plans to transfer to another institution, it is the student's responsibility to contact the university to verify acceptance and applicability of credit by examination that TVCC awarded.

Contact the Registrar's Office for more details at registrar@TVCC.edu.

ACT and SAT Scores

Subject Area	Minimum ACT Score	Minimum SAT Score	Course Exemption	Credit Course	Sem Hrs
English	29	620	ENGL-1301	ENGL-1301	3
English	32	690	ENGL-1302	ENGL-1302	3
Mathematics	26	560	MATH-1314	MATH-1314	3
Mathematics	30	630	MATH-2312	MATH-2312	3

Advanced Placement (CEEB) Scores

AP Exam	Minimum AP Score	Course Credit	Sem Hrs
Biology	3	BIOL-1406 or BIOL-1408	4
Biology	4	BIOL-1406 & BIOL-1407 or BIOL-1408 & BIOL-1409	8
Calculus AB	3	MATH-2413	4
Calculus BC	3	MATH-2413	4
Chemistry	3	CHEM-1405 or CHEM-1411	4
Chemistry	4	CHEM-1405 & CHEM-1407 or CHEM-1411 & CHEM-1412	8
Economics - Macro	3	ECON-2301	3
Economics - Micro	3	ECON-2302	3
English Language & Composition	3	ENGL-1301	3
English Language & Composition	4	ENGL-1301 & ENGL-1302	6
English Literature & Composition	4	ENGL-1301 and any LIT course	6
Spanish	3	SPAN-1411 & SPAN-1412 (with lab)	8
Spanish	4	SPAN-1411 & SPAN-1412 & SPAN-2311 (with lab)	12
Spanish	5	SPAN-1411 & SPAN-1412 & SPAN-2311 & SPAN-2312 (with lab)	14
Statistics	3	MATH-1342	3
Physics 1	3	PHYS-1401	4
Physics 2	3	PHYS-1402	4
Physics C	3 (Must pass both Physics C Mechanics & Physics C Elec. & Magnetism with a 3)	PHYS-2426	4
Human Geography	3	GEOG-1302	3

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U.S. History	3	HIST-1301	3
Pre-Calculus	3	Math-2312	3
Psychology	3	PSYC-2301	3
U.S. Government & Politics	3	GOVT-2305	3

Credit by Exam: CLEP Subject Examination

Trinity Valley Community College is an open testing center for the College Level Examination Program (CLEP), which was developed by the College Entrance Examination Board. Copies of the CLEP Registration Guide and the registration form may be obtained from the Testing Center or online at the College Board CLEP website. The cost for administering the CLEP subject exams is \$95 (subject to change according to CLEP requirements), payable to CLEP. In addition, Trinity Valley Community College charges a \$25 non-refundable administrative fee.

Trinity Valley Community College will accept a maximum of 30 semester hours of CLEP credit from the courses listed below provided that the student meets the following stipulations:

- CLEP credit may not be earned for any course in which the student has already earned a passing grade. CLEP credit will not be awarded for any courses in which a student is currently enrolled.
- CLEP scores may be no more than 10 years old to receive credit at TVCC.
- Students must have a minimum of three semester hours in residence at TVCC.
- Student must be TSI complete in the corresponding section before CLEP credit will be posted to the student's transcript.

Contact the Registrar's Office for more details at registrar@TVCC.edu.

CLEP Exam	TVCC Equivalent	Sem Hours	CLEP Score
American Literature	ENGL 2328	3	50
College Composition Modular	ENGL-1301	3	50
Analyzing & Interpreting Literature	ENGL-1302	3	50
Humanities	HUMA 1301	3	50
Spanish Language Level 1 and 2	SPAN-1411	4	50
Spanish Language Level 1 and 2	SPAN 1411 & 1412	8	55
Spanish Language Level 1 and 2	SPAN-1411 , SPAN-1412, SPAN 2311	11	63+
Spanish with Writing: Levels 1 and 2	SPAN 1411	4	50
Spanish with Writing: Level 1 and 2	SPAN 1411 & 1412	8	55
Spanish with Writing: Levels 1 and 2	SPAN 1411, SPAN 1412, SPAN 2311	11	63+
American Government	GOVT-2305	3	50
American History I	HIST-1301	3	50
American History II	HIST-1302	3	50
Human Growth & Dev	PSYC-2314	3	50
Introductory Psychology	PSYC-2301	3	50
Introductory Sociology	SOCI-1301	3	50
Western Civilization I	HIST-2311	3	50
Western Civilization II	HIST-2312	3	50
Principles of Macroeconomics	ECON 2301	3	50
Principles of Microeconomics	ECON 2302	3	50
College Algebra	MATH-1314	3	50
General Biology	BIOL-1406	4	50
General Biology	BIOL 1406 & BIOL 1407	8	70
General Chemistry	CHEM-1411	4	50
General Chemistry	CHEM 1411 & CHEM 1412	8	55

Information Systems & Business Computer App	BCIS 1305	3	50
Precalculus	MATH 2312	3	50
Calculus	MATH 2413	4	50
Financial Accounting	ACCT 2401	4	50
Financial Accounting	ACNT 1303 & ACNT 1304	6	50
Principles of Management	BMGT 1327	3	53
Principles of Marketing	MRKG 1311	3	53
Introductory Business Law	BUSI 2301	3	50

Credit For The International Baccalaureate (IB) Diploma Program

Students who have completed the International Baccalaureate Diploma will be granted a maximum of 24 semester credit hours for IBD courses completed with a minimum score of 4 on the IBD course examination. In addition, students who have completed courses in the IBD program but who have not received the diploma may also receive college credit for completion of IBD courses with a score of 4 on the IBD examination.

To receive college credit, students must :

1. Pass the corresponding sections of a test approved for TSI (p. 48) purposes.
2. Earn three semester credit hours at Trinity Valley Community College.
3. Submit official transcript to the Registrar's Office

Contact the Registrar's Office for more details at registrar@TVCC.edu.

The range of credit hours that can be granted in each subject area as well as a list of the courses for which credit could be granted is outlined below: The credits awarded are in accordance with Trinity Valley Community College policies and can be counted toward the Associate of Arts or Associate of Applied Sciences Degrees at TVCC. Acceptance of these credits at TVCC does not guarantee acceptance by transfer universities.

IB Course / Exam	Exam Level	Minimum Required Score	TVCC Course(s)	Credit Hours
English Language	SL	4	ENGL 1301 and ENGL 1302	6
English Language	HL	4	ENGL 1301, 1302, and ENGL 2322*	9
Spanish	SL	4	SPAN 1411	4
Spanish	SL	5	SPAN 1411 & 1412	8
Spanish	SL	6	SPAN 1411, 1412, and 2311	11
Spanish	SL	7	SPAN 1411, 1412, 2311, and 2312	14
Biology	SL or HL	4	BIOL 1406	4
Biology	SL or HL	5 or better	BIOL 1406 & 1407	8
Chemistry	SL or HL	4	CHEM 1411	4
Chemistry	SL or HL	5 or better	CHEM 1411 & 1412	8
Physics	SL or HL	4	PHYS 1401	4

Physics	SL or HL	5 or better	PHYS 1401 & 1402	8
Economics	SL or HL	4	ECON 2301 or 2302	6
History	SL or HL	4	HIST 1301 and 1302	6
Philosophy	SL or HL	4	PHIL 1301	3
Psychology	SL or HL	4	PSYC 2301	3
Social and Cultural Anthropology	SL or HL	4	SOCI 1301	3
Visual Arts	SL or HL	4	ARTS 1301	3
Music	SL or HL	4	MUSI 1306	3
Theater Arts	SL or HL	4	DRAM 1310	3
Computer Science	SL or HL	4	BCIS 1305	3
Mathematics	SL	4	MATH 2312	3
Mathematics	HL	5 or better	Math 2312 and 2413	7
Further Mathematics	HL	4	MATH 2312	3
Further Mathematics	HL	5 or better	MATH 2313 or MATH 2413	7
Mathematical Methods	SL	4	MATH 1314	3
Mathematical Methods	SL	5 or better	MATH 1314 and MATH 2312	6
Mathematical Studies	SL	4	MATH 1314	3
Mathematical Studies	SL	5 or better	MATH 1314 and MATH 2312	6

*Students who have ENGL 2322 credit from another source may receive alternative credit in the form of ENGL 2323, 2327, 2332, or 2333.

Articulated Credit

Articulated credit refers to a process that aligns prior learning with postsecondary education courses or programs in order to allow students who successfully completed coursework, training, and/or industry-recognized exams to be eligible to apply for **articulated college credit** in the corresponding college course.

Health Occupations Advanced Placement

EMERGENCY MEDICAL TECHNOLOGY

A paramedic student who has current certification from the Texas Department of State Health Services as an EMT Basic, EMT Intermediate, or EMT Paramedic but who did not complete the current EMSP courses or receive equivalent transfer credit from another accredited college or university may receive credit if the following credit for prior learning requirements are met:

1. Submit a copy of current EMT basic, intermediate, or paramedic certification from Texas Health & Human Services;

2. Complete and submit the appropriate Credit for Prior Learning form (https://www.tvcc.edu/Workforce/article_print.aspx?deptid=137&zoneid=799&articleid=4999#collapseCollapsible1611594780320);

3. Pay the non-refundable articulation fee (\$10 per credit hour - maximum of \$150), payable to TVCC when notified by the registrar's office.

Credit will be awarded and applied only to the EMS degree or certificate. All official transcripts containing credit intended for articulation must be received and evaluated by the Registrar's office prior to approval. Students must complete at least 25% of the required credits for a certificate or degree through instruction at Trinity Valley Community College before the degree or certificate can be awarded. Please see an academic advisor or contact the Terrell Health Science Center counselor or associate vice president for more information.

LVN-TO-ADN and Paramedic-To-ADN Transition

LVNs and/or Paramedics applying to the ADN Transition program who did not receive college credit from an accredited college for their vocational nursing or paramedic program may receive credit for the 12 credit hours of VNSG or EMSP electives needed for the ADN Transition program if the following credit for prior learning requirements are met:

1. Submit official transcripts from the VN or paramedic program and a copy of current licensure or certification as LVN or paramedic to the HSC Counselor;
2. Complete and submit the appropriate Credit for Prior Learning Form
3. Pay the non-refundable articulation fee (\$10 per credit hour), payable to TVCC when notified by the registrar's office.

Credit will be awarded and applied only to the ADN transition AAS degree. Please see an academic advisor or contact the Terrell Health Science Center counselor or associate vice president for more information.

Associate degree nursing

Students applying to transfer to the ADN program in Level II or Level III who did not receive college credit from an accredited college for their first or second-semester nursing courses may receive credit for up to 18 credit hours of RNSG courses in Level I and II if the following credit for prior learning requirements are met:

1. Submit official transcripts from the prior nursing program to the HSC Counselor;
2. Complete and submit the appropriate Credit for Prior Learning Form
3. Pay the non-refundable articulation fee (\$10 per credit hour), payable to TVCC when notified by the registrar's office.

Credit will be awarded and applied only to the ADN AAS degree. Please see an academic advisor or contact the Terrell Health Science Center counselor or associate vice president for more information. If the student continues to the RN-to-BSN program, this process must be duplicated for the student to get credit for the ADN hours in the RN-to-BSN program.

RN-to-BSN

Students applying for the RN-to-BSN program who graduated from a non-accredited college may receive credit for up to 36 hours of RNSG courses if the following credit for prior learning requirements are met:

1. Submit official transcripts from the ADN or diploma program and proof of current licensure as a Registered Nurse (RN);
2. Complete and submit the appropriate Credit for Prior Learning Form
3. Pay the non-refundable articulation fee (\$10 per credit hour - maximum of \$150), payable to TVCC when notified by the registrar's office.

Credit will be awarded and applied only to the RN-to-BSN degree. Please see an academic advisor or contact the Terrell Health Science Center counselor or associate vice president for more information.

Credit by Evaluation for Non-Traditional Experiences and Prior Learning Assessments

Medical Nursing Assistant

A student in the clinical medical assistant program may receive credit for successfully earning one or more of the certifications listed below if the following credit for prior learning requirements are met:

1. Complete 12 semester credit hours with TVCC;
2. Present proof that he/she has passed the certifying exam listed;
3. Complete and submit the appropriate Credit for Prior Learning Form;
4. Pay the non-refundable articulation fee (\$10 per credit hour), payable to TVCC when notified by the registrar's office.

Nurse Aide Certification (CNA) awarded by the State of Texas Department of Health and Human Services can be substituted for both NURA-1401 Nurse Aide for Health Care and NURA-1160 Clinical, Nursing Assistant/Aide and Patient Care Asst/Aide for a total of 5 credits

Medication Aide Certification (CNA) awarded by the State of Texas Department of Aging and Disability Services can be substituted for MDCA-1348 Pharmacology & Administration of Medications for a total of 3 credits

American Society of Clinical Pathology (ASCP), Phlebotomy Technician awarded by the American Society of Clinical Pathologists can be substituted for PLAB-1323 Phlebotomy for a total of 3 credits.

National Health career Association, Certified Phlebotomy Technician and documentation of the completion of a minimum of 30 successful live blood draws can be substituted for PLAB-1323 Phlebotomy and PLAB-1171 Phlebotomy Lab for a total of 4 credits.

Credit will be awarded and applied only to the Clinical Medical Assistant certificate.

Please see an academic advisor for more information or contact the Terrell Health Science Center counselor or associate vice president.

RN-TO-BSN

Students in the RN-to-BSN program who have achieved a specialty nursing certification may receive credit for 3 hours of NURS electives if the following credit for prior learning requirements are met:

1. Submit proof of current nursing specialty certification;
2. Complete and submit the appropriate Credit for Prior

Learning Form;

3. Pay the non-refundable articulation fee (\$10 per credit hour), payable to TVCC when notified by the registrar's office.

Credit will be awarded and applied only to the RN-to-BSN degree. Please see an academic advisor or contact the Terrell Health Science Center counselor or associate vice president for more information.

Military Training

A student may receive up to 30 semester credit hours for military training or coursework sponsored by civilian non-educational organizations. Trinity Valley Community College will award credit for associate degree-level work as recommended by the American Council on Education in *Guide to the Evaluation of Educational Experiences in the Armed Services* and *The National Guide to Educational Credit for Training Programs*.

Since the recommendations made in these documents are general in nature, such credit may be counted as elective credit and cannot be used in lieu of specific course requirements within a degree program unless equivalency can be established. The decision regarding equivalency rests with the Registrar's Office. Students who are awarded credits on this basis will have the subject area and credit earned recorded on their permanent transcripts **after they have completed 12 semester hours** in residence at Trinity Valley Community College.

Law Enforcement/Basic Peace Officer

A student may receive 13 semester credit hours for successfully completing an approved law enforcement training program/Basic Police Academy and passing the Texas Commission on Law Enforcement (TCOLE) exam after 1983. To receive credit, a student must:

1. Complete 12 semester credit hours with a 2.0-grade point average or higher in the Criminal Justice program;
2. Present proof that he/she has successfully completed the Basic Peace Officer Academy and provide a copy of a current state of Texas Peace Officer License;
3. Complete and submit a Credit for Prior Learning Form.
4. Pay the non-refundable articulation fee (\$10 per credit hour), payable to TVCC when notified by the registrar's office.

Please see an academic advisor for more information or contact the associate vice president of workforce education.

Texas Basic Firefighters Examination

A student may receive up to 12 semester credit hours for successful completion of the Basic Fire Fighter Academy and possess the SFFMA or TCFP Firefighter Certification. To receive credit, a student must:

1. Complete 12 semester hours with a 2.0-grade point average or higher in the Fire Science program;
2. Present proof he/she has successfully completed the Basic Fire Fighter Academy;
3. Complete and submit a Credit for Prior Learning Form.
4. Pay the non-refundable articulation fee (\$10 per credit hour), payable to TVCC when notified by the registrar's office.

Please see an academic advisor for more information or contact the associate vice president of workforce education.

Texas Department of Criminal Justice Pre-Service/In-Service Training

A student may receive up to 15 semester credit hours for successful completion of the TDCJ Pre-Service or In-Service Training. To receive credit, a student must:

1. Complete 12 semester hours with a 2.0-grade point average or higher in the Criminal Justice program;
2. Present proof he/she has successfully completed the TDCJ Pre-Service/In-Service Training;
3. Complete and submit a Credit for Prior Learning Form.
4. Pay the non-refundable articulation fee (\$10 per credit hour), payable to TVCC when notified by the registrar's office.

Please see an academic advisor for more information or contact the associate vice president of workforce education.

Course Cancellation

Trinity Valley Community College reserves the right to cancel any scheduled courses that do not have sufficient enrollment to justify teaching the course economically or educationally. In such cases, TVCC will notify students of a cancellation by the end of the first week of classes. TVCC will deliver all electronic notifications to the students' TVCC email accounts.

Grades

The level of success achieved by a student in his or her course work is designated by letter grades based upon attendance, class work and examinations.

Letter	Definition	Grade
A	Excellent	90-100
B	Good	80-89
C	Fair	70-79
D	Poor (passing)	60-69
I	Incomplete	
W	Withdraw (instructor or student initiated drop)	

Grades will be posted and available for students for access on the MyCardinalConnect portal within three days after the end of the semester. Grades will not be mailed to students.

An I (Incomplete) is given when illness, or other emergency, prevents the student from completing the course. The grade of I is typically given only after the official college drop deadline. The incomplete grade should be removed during the next long semester by contacting the professor and satisfactorily completing the incomplete assignments. In some circumstances, special arrangements for an extension of time with the professor may be made. (The grade of I is calculated into the grade point average as 0 grade points.)

The grade of D will not transfer to most senior colleges. The policy on the transfer of Ds varies with each senior college. Please check with the senior college you may attend for transferability.

A student who officially withdraws or drops from one or more courses will receive the grade of W if such withdrawal is completed by the deadline specified in the college calendar. Please be aware there may be financial aid and scholarship ramifications when dropping a class.

Selected health occupations courses in surgical technology, associate degree nursing, vocational nursing, RN-to-BSN, medical/nursing assistant, patient care technology, pharmacy technology and emergency medical technology programs, which are required for graduation or certification, use the following grading scale for theory courses. Grading for clinical courses is explained in each course syllabus.

Letter	Definition	Grade
A		90-100
B		80-89
C		75-79
D	not passing	65-74
F	not passing	below 65

A grade of D and F in the music field of study is not considered passing. Please see the music course descriptions that use this grading criterion. Courses in the music field of study use the following grading rubric:

Letter	Definition	Grade
A		90-100
B		80-89
C		70-79
D	not passing	60-69
F	not passing	below 60

The cosmetology program requires students to pass each course with a minimum grade of 70. A grade of D is considered not passing.

Letter	Definition	Grade
A	Excellent	90-100
B	Good	80-89
C	Fair	70-79
D	not passing	60-69
F	not passing	below 60

Grade Points

For convenience in averaging grades for various purposes, and in order to encourage students to improve the quality of their work, grade points are assigned each letter grade as follows:

Grade A — 4 grade points for each semester hour

Grade B — 3 grade points for each semester hour

Grade C — 2 grade points for each semester hour

Grade D — 1 grade point for each semester hour

Other grades — No grade point

The students' average grade is computed by dividing the total number of semester hour grade points, as calculated above, by the total number of semester hours for which grades have been received. When a course has been repeated, the highest grade of record will be utilized to determine grade point average for graduation.

Academic Honors

President's Honor Roll

TVCC lists students who are enrolled full-time (at least 12 semester hours), earn no failing or incomplete grades, and secure an average of at least 4.0 grade points per semester hour on the President's Honor Roll at the end of each semester. When repeating a course, TVCC uses the highest grade of record to determine the GPA for graduation.

Honors List

Students who complete at least 12 semester hours, earn no failing grades or incomplete grades, and secure an average of at least 3.5 grade points per semester hour, are listed on the Honors List at the end of each semester. When repeating a course, TVCC will use the highest grade of record to determine the GPA for graduation.

Academic Probation and Suspension

Trinity Valley Community College monitors academic progress to identify students who are experiencing academic challenges. TVCC aims to provide holistic support for students' academic needs, as necessary. This may involve adjusting a student's course load, providing additional support, or implementing other interventions to ensure their overall success. Academic standing is determined by semester Grade Point Average (GPA) and program completion. Both are reviewed at the end of each semester (Fall, Spring, and Summer). Students may view their status on MyCardinalConnect at any time.

TVCC's academic standings are as follows:

Good Standing:

Students whose GPA is 2.0 or higher are considered to be in good academic standing.

Scholastic Probation:

Students whose GPA falls below 2.0 or who completely withdraw after the census date are placed on scholastic probation.

Students on scholastic probation must complete the following:

- Meet with an academic advisor to register for future semesters. Students will not be able to self-register.
- May be required to meet with TVCC's Retention Department to develop a success plan for future semesters, which may include the use of additional student support.
- The CARD-2011 course may be required for academic support.

Continued Scholastic Probation:

Students on scholastic probation who receive a semester GPA of 2.0 or higher, but whose cumulative GPA remains below 2.0 will remain on scholastic probation. During this time, students must continue to follow the same scholastic probation protocols as prescribed above.

Scholastic Suspension:

Students whose GPA falls below a 2.0 for two consecutive semesters (following scholastic probation) are automatically placed on scholastic suspension. During this time, students on scholastic suspension will need to file a Scholastic Suspension Registration Appeal to TVCC to be considered for registration for future semesters.

Registration of Scholastic Suspension Students

Each semester, students facing scholastic suspension must submit the Scholastic Suspension Registration appeal and present their case to TVCC's Academic Review Board (ARB) to be considered for registration. This continues until their academic standing improves, achieving a grade point average above 2.0.

Students who are approved for registration must meet the following requirements:

- Meet with an academic advisor to register for future semesters.
- Must follow the academic success plan developed by the ARB and immediately apply it during the following semester.
- Must register and participate in the cardinal success course, CARD-2012.

Additional requirements or stipulations may be required as well.

Failing to meet the listed requirements may result in a full semester suspension.

Students who fail to submit an appeal before the deadline must wait until the next registration period to file their appeal to the ARB. Students who have not registered for courses for two major semesters (Fall and Spring) must re-apply for admission before submitting a Scholastic Suspension Registration Appeal.

TVCC's Retention department provides information via email each semester for students on scholastic suspension for procedures on how to file an appeal and ARB deadlines.

Submit your Scholastic Suspension Registration Appeal [here](#).

Submitting an Appeal for Registration does not guarantee registration.

Appeal of Grades

Students will not be allowed to appeal grades recorded on permanent records after one year from the date the grade was recorded. Refer to the Academic Regulations (p. 165) section of this publication for details describing this process.

Graduation

Graduation requirements

- Student must be TSI complete in order to be eligible to graduate from a level two certificate program, an associate degree program, or a bachelor degree program
- Have a minimum of 15 semester credit hours in residency prior to graduation with certificate or associate degree program
- Have a minimum of 30 semester credit hours in residency prior to graduation with a bachelor degree program

GPA Requirements

- Earn a grade point average of a 2.0 on all TVCC courses attempted for Bachelor and/or Associate Degrees.
- Earn a minimum grade point average of 2.0 in the courses presented to meet the requirements for Certificates of Completion and/or Occupational Skills Awards (OSA).

Graduation and Completion of Degrees/Certificates

The Office of Graduation encourages students to complete certificates and/or degree programs in a timely manner. To ensure students stay on the pathway to success, they first complete a degree plan evaluation by following the steps below:

1. Degree Plan Evaluation

- a. Log on to your MyCardinalConnect
- b. Select "Student Planning,"
- c. Select "My Progress."
- d. Verify the major listed is correct.
- e. Review the list of remaining courses required for degree completion.
 - i. If any information is incorrect, or if assistance is required with this process, visit the Advisement Center in person or through email at advisinghelp (advisinghelp@TVCC.edu).

2. Apply for graduation (p. 196)

Application for Graduation

Students must apply for graduation. Students must apply for graduation at least one semester prior to the semester in which they plan to graduate. To apply for graduation, students must apply through MyCardinalConnect.

Degrees, certificates and occupational skills awards will be officially conferred when the Office of the Registrar certifies that all graduation requirements have been met. To ensure eligibility for participation in commencement during the applied semester, students must be enrolled in all final courses, and all credits obtained through transfer, approved course substitutions, credit by exam, military credit, and/or credit for prior learning must be officially submitted to the Registrar's office, and associated fees must be paid by the student before the graduation application deadline.

TVCC confers degrees 3 times a year (Fall, Spring, Summer). **Only 2 commencement ceremonies are held each year (Fall and Spring).** Students graduating in Summer are permitted to participate in the Fall commencement ceremony following the Summer semester their degree is conferred. Participation is ceremonial only and does not confer on a student any rights to a degree or certificate. The transcript is the official document that verifies graduation status.

Steps to Apply For Graduation:

1. Log in to MyCardinalConnect
2. Select "Graduation Overview" from the main menu
3. Click the "Apply" link by the program for which you would like to submit a graduation application.

Send emails to graduation@TVCC.edu for questions regarding graduation.

Students may make application for graduation under provisions of the current catalog or meet the graduation requirements of the catalog year under which they most recently entered Trinity Valley Community College provided that the catalog is dated no more than five years prior to the expected date of graduation.

Trinity Valley Community College reserves the right to automatically award a degree or certificate of completion without a formal graduation application being submitted via the student on MyCardinalConnect.

Graduation Dates to Remember

Visit the 2024-2025 College Calendar (p. 18) for application deadlines.

Graduation with Honors

Those students who complete the requirements for an associate or bachelor degree and who have excelled academically by meeting one of the sets of criteria enumerated below will graduate with honors. **The cumulative grade point average (GPA) referred to in each set of criteria will be based on all work completed at Trinity Valley Community College to be calculated at the conclusion of the semester prior to commencement.** Developmental corequisite (DECO, DEVL, INRW, or BASE) courses are not considered. When courses are repeated at TVCC, the GPA will only include the highest grade earned.

Highest Honors

In order to graduate with highest honors, the graduate must have completed 24 semester hours in residence with a 4.0 GPA and must have a 4.0 cumulative GPA, as defined above.

High Honors

In order to graduate with high honors, the graduate must have completed at least 24 semester hours in residence with a 3.8 GPA and must have at least a 3.8 cumulative GPA, as defined above.

Honors

In order to graduate with honors, the graduate must have completed at least 24 semester hours in residence with at least a 3.5 GPA and must have at least a 3.5 cumulative GPA, as defined above.

Summa Cum Laude

In order to graduate summa cum laude, the graduate from our bachelor's program must have completed 24 semester hours in residence with at least a 4.0 GPA and must have at least a 4.0 cumulative, as defined above.

Magna Cum Laude

In order to graduate magna cum laude, the graduate from our bachelor's program must have completed 24 semester hours in residence with at least a 3.8 GPA and must have at least a 3.8 cumulative, as defined above.

Cum Laude

In order to graduate cum laude, the graduate from our bachelor's program must have completed 24 semester hours in residence with at least a 3.5 GPA and must have at least a 3.5 cumulative, as defined above.

Second Degree

A student cannot receive the same degree twice. Only one diploma will be awarded to a student during any one graduation ceremony. Each degree must consist of twelve additional hours in residency at Trinity Valley Community College above the first degree completed. Physical activity coursework cannot be used to satisfy the twelve additional hour requirement.

Transcript of Credit

Requests for official transcripts must be submitted online through the TVCC webpage. Transcript requests are not accepted by telephone, email, or fax. Please allow 24-48 hours for processing once an online request has been submitted. During heavy request periods, requests may take longer than normal to process. Students can receive an official transcript in person at the registrar's office on the Athens campus with a valid form of identification.

Unofficial transcripts are available to students through their MyCardinalConnect portal.

Contact registrar@TVCC.edu for questions regarding official and unofficial transcripts.

Withdrawal from College

A student may withdraw from **all courses** and receive a grade of W in all courses through the withdrawal deadline specified in the college calendar. College withdrawals requested after the deadline specified in the college calendar must receive approval from the vice president of instruction. Students enrolled in courses which are not approved for withdrawal after the withdrawal deadline specified in the college calendar will receive the grade earned in the courses and will not be eligible to receive a W.

If a student receives Title IV funds (Pell, FSEOG and/or Student Loans) and completely withdraws from TVCC or earns grades of all F's, **he/she may owe a portion of the Title IV funds received back to TVCC. This should be verified by the financial aid office prior to withdrawing from any courses.**

Withdrawal from college procedures must be initiated by submitting the Student Drop Request or visiting the Advisement Center at any time of the semester before the official drop date. **Withdrawal requests will not be accepted by telephone.** Dropping any courses may impact student financial aid. Students would be wise to consult an advisor prior to dropping any course.

It is the student's responsibility to officially withdraw from a course or verify that the instructor has initiated the withdrawal procedure. The Registrar's Office reserves the right to administratively withdraw students as needed without a formal request from the student or faculty member.

Course Withdrawal Policy—Six-W Rule

Any student whose first semester in college was fall 2007 or later may not have more than *six unexcused withdrawals* (W's) during his/her academic career (as per THECB Rules: Chapter 4, Subchapter A, 4.10). A qualifying re-enrolled student who has had a separation from enrollment in higher education may withdraw from a seventh course. Qualifying conditions to consider include, but are not limited to:

- a severe illness or other debilitating condition that affects the student's ability to satisfactorily complete a course;
- the student's responsibility for the care of a sick, injured, or needy person if the provision of care affects the student's ability to satisfactorily complete a course;
- the death of a person who is either considered to be a member of the student's family or is otherwise considered to have a sufficiently close relationship to the student;
- the active duty service as a member of the Texas National Guard or the Armed Forces of the United States of either the student or a person who is considered to be a member of the student's family;
- the change of the student's work schedule that is beyond the control of the student and that affects the student's ability to satisfactorily complete.

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This applies to a student's academic record from all higher education institutions attended.

To determine if a course withdrawal is excused, a student must initiate a course withdrawal request through the Advisement Office or, in special circumstances, through the faculty member.

Course withdrawal procedures are to be initiated in the Advisement Center. Students should understand the GPA and financial aid consequences of withdrawing from a course before initiating a withdrawal. **Withdrawal requests will not be accepted by phone.**

It is the student's responsibility to officially withdraw from a course and to verify that the withdrawal has been posted to their transcript.

INSTRUCTION INFORMATION

Trinity Valley Community College is a learning-centered college that provides quality academic, workforce, college preparatory, student support, and community service programs that prepare and empower students for success and promote and enhance life-long learning for all communities served.

Individuals who are interested in completing courses towards an associate of arts degree, associate of applied science degree, a certificate of completion, or an occupational skills achievement award in an arts, humanities, and social science pathway, a business and technology pathway, a health science pathway, a public service pathway, a science, engineering and math pathway, or a services and production pathway are encouraged to meet with an academic advisor to take the first step in joining the TVCC Cardinal family.

Online Degree Programs

Trinity Valley Community College is committed to providing opportunities for quality instruction to students who are interested in completing an online degree or certificate with Trinity Valley Community College. The online curricula for the associate of arts degree (AA) are designed for the student planning to transfer to a senior college or university. The associate of applied science degree (AAS) is awarded for successful completion of a two-year prescribed workforce education curriculum not designed for transfer to a senior college or university. To see the delineation for online programs, view the Core Curriculum and Online Career Pathways. For additional information, please contact onlineprograms@TVCC.edu or the office of distance learning at 903-675-6324.

The State Authorization Reciprocity (SARA)

The State Authorization Reciprocity Agreement (SARA) is "an agreement among member states, districts and territories that establishes comparable national standards; interstate offering of postsecondary distance education courses and programs. It is intended to make it easier for students to take online courses offered by postsecondary institutions based in another state. SARA is overseen by a National Council and administered by four regional education compacts." While being a SARA approved institution does not remove the need for state authorization for all online programs, since not all states are SARA members, being a SARA approved institution allows SVSU to deliver online programs to residents in any SARA member state without seeking additional authorization from that particular state. Participation in SARA is intended to allow students greater access to SVSU courses and programs offered in other states. Trinity Valley Community College is a SARA participating institution and is authorized under SARA to enroll students in online courses and field experiences such as: internships, field experiences or clinical practicums outside of TX.

Professional Licensure Programs

Programs leading to professional licensure may be subject to additional state professional licensing requirements, which are not covered by SARA. If you are considering an academic program that leads to a professional license in your state, it is highly recommended that you first seek guidance before beginning the academic program located outside your state.

Academic Division

The academic education division provides course offerings for students seeking an Associate of Arts degree. At Trinity Valley Community College, a student may earn an Associate of Arts degree by successfully completing a planned curriculum of freshman and sophomore academic courses comprised of 42 semester credit hours (SCH) of general education core courses and 18 semester credit hours of appropriate electives. The Texas Higher Education Coordinating Board approved these courses, which are transferable to public senior colleges and universities in Texas. Trinity Valley Community College maintains contact with the senior institutions in the state to ensure that the university transfer courses offered at TVCC are equivalent in quality and content to those courses at the senior institutions.

Academic Coordinators

Erica Richardson, Associate Vice President of Academic Affairs

Rich Crosby, Associate Vice President of Workforce Education (Interim)

Fine Arts & Kinesiology

Kristin Huggins, Division Chairperson

Courses	Coordinators
Art	September Kirk
Drama	Craig Lee
Music	Ashley Holder
Dance	Emma Cox
Communications	Kristin Huggins
Kinesiology	Guy Furr

English & Language Arts

Amy Rogers, Division Chairperson

Courses	Coordinators
English	Amy Rogers
Foreign Language (Spanish)	Bill Monds
Speech	Jennifer Hannigan

Economics & Mathematics

Debra Smith, Division Chairperson

Courses	Coordinators
Accounting	David Loper
Economics	Matt Cleaver

Science

John Placyk, Division Chairperson

Courses	Coordinators
Biology	John Placyk
Chemistry	Michael Felty
Physics/Physical Science	Anil Sharma
Agriculture/Ranch Management	Mark Robinson

Social Science

Dana Curry, Division Chairperson

Courses	Coordinators
Psychology	Vickie Geisel
Sociology	Angel Mallory
Learning Frameworks	Melanie Ward

Business & Technology

Robert Brittain, Division Chairperson

Courses	Coordinators
Accounting	David Loper
Business and Management	Afton Rumsey
Computer Science	Robert Brittain
Line Worker	Robert Brittain
Robotics	Robert Brittain

Career & Technical Programs

Michael Felty, Division Chairperson

Courses	Coordinators
Automation & Controls	Michael Felty
Basic Automotive (Dual Credit)	Michael Felty
Cosmetology	Valerie Holmes
Drafting	Donnie Fulford
Electrical	Maurice Caines
HVAC	Michael Felty
Plumbing	Joseph Pattillo
Welding	Tom Sheram

Civics

Cade Allen, Division Chairperson

Courses	Coordinators
Geography	Cade Allen
Government and History	John Powell
Humanities	James Reed
Philosophy	Matt Cleaver

Education & Public Service

Suzzette Stringer, Division Chairperson

Courses	Coordinators
Criminal Justice	Kendall Wellman
Early Childhood Development	Suzzette Stringer
Education/Teaching	Suzzette Stringer
Fire Science	Suzzette Stringer
Legal Assistant	Donna Bennett

Associate of Arts, Liberal Arts (Multidisciplinary) Degree

Trinity Valley Community College awards an Associate of Arts degree (AA), Liberal Arts (Multi-disciplinary) major to students who complete the AA required coursework and are interested in transferring to a college or university to obtain a baccalaureate degree. Advising personnel selected the suggested electives to provide students with introductory coursework that is university transferable. Students following these pathways earn an Associate of Arts degree (AA), Liberal Arts major from TVCC.

The vice president of instruction, the associate vice president of academic affairs, or academic advisors will provide additional information about the programs of study and assist the student in selecting a course of study.

To be eligible for an Associate of Arts degree (AA), Liberal Arts (Multi-disciplinary) major, students must:

1. Complete a minimum of 60 semester hours of credit comprised of coursework outlined in the chart below;
2. Complete the following additional requirements:
 - Of the 60 semester credit hours, a minimum of 15 semester credit hours in residence before graduation.
 - Maintain a grade point average of 2.0 on all TVCC courses attempted.
 - Complete TSI (p. 48) requirements.

AA Degree, Liberal Arts (Multidisciplinary Degree)

Below is the suggested curriculum for students who plan to transfer to a senior college or university but have not yet decided on a specific degree. Exact requirements can be determined only by the receiving institution. Students should consult an academic advisor early in their programs of study at both TVCC and the transferring institution.

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
Creative Arts		3
PSYC-1300 or EDUC-1300	Learning Frameworks or Learning Framework	3
Core MATH		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Social & Behavioral Science		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Component Area Option		3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Students should contact the TVCC advising center and their transfer college or university to determine the transferability of courses and college or university requirements.

Except for BUSG-1301 Introduction to Business, BUSG-1304 Financial Literacy, POFT-1301 Business English, POFT-2312 Business Correspondence and Communication, courses with the following prefixes may not be used as suggested pathway elective hours for the AA degree:

- | | | |
|--------|--------|--------|
| • ABDR | • DEVL | • ITSY |
| • ACNT | • DFTG | • LGLA |
| • AGAH | • ECRD | • MBST |
| • AGCR | • EDGO | • MCHN |
| • AGEQ | • EDTC | • MDCA |
| • AGME | • ELMT | • MRKG |
| • AGMG | • ELPT | • MRMT |
| • ARCE | • EMSP | • NUPC |
| • ARTC | • FIRS | • NURA |
| • ARTV | • FIRT | • OSHI |
| • ATEX | • GAME | • PHRA |
| • AUMT | • GERS | • PHTC |
| • BASC | • HALT | • PLAB |
| • BMGT | • HAMG | • POFI |
| • BUSG | • HART | • POFL |
| • CARD | • HITT | • POFM |
| • CDEC | • HMSY | • POFT |
| • CETT | • HPRS | • READ |
| • CHLT | • HRPO | • RECT |
| • CJCR | • HYDR | • RELE |
| • CJLE | • IMED | • RNSG |
| • CJSA | • INMT | • SRGT |
| • CPRA | • INRW | • VNSG |
| • CRPT | • ITDF | • WDWK |
| • CSME | • ITMT | • WIND |
| • DECO | • ITNW | • WLDG |
| • DETC | • ITSC | • WRIT |
| • DETO | • ITSE | |
| | • ITSW | |

Core Curriculum

The state of Texas defines a core curriculum as a "curriculum in the liberal arts, humanities, sciences, political, social, and cultural history, that all graduates of an institution of higher education are required to complete before receiving a baccalaureate degree."

TVCC's Core Curriculum

TVCC's core curriculum consists of 42 semester credit hours that will transfer as a core block to any state college or university. After completing the core curriculum, TVCC students only need 18 additional semester credit hours to receive the Associate of Arts degree, Liberal Arts major (AA) (p. 207), or the Associate of Arts degree, Teaching major (AAT) (p. 555).

Communication (010)		
Take the following two courses		6
ENGL 1301	Composition I	
& ENGL 1302	And Composition II	
Mathematics (020)		
Select one course from the following		3
MATH 1314	College Algebra	
MATH 1324	Mathematics for Business & Social Sciences	
MATH 1325	Calculus for Business and Social Sciences	
MATH 1332	Contemporary Mathematics (Quantitative Reasoning)	
MATH 1342	Elementary Statistical Methods	
MATH 2312	Pre-Calculus Math	
MATH 2413	Calculus I	
Life & Physical Science (030)		
Select two courses from the following		6
AGRI 1407	Agronomy	
AGRI 1419	Introductory Animal Science	
BIOL 1406	Biology for Science Majors I	
BIOL 1407	Biology for Science Majors II	
BIOL 1408	Biology for Non Science Majors I	
BIOL 1409	Biology for Non Science Majors II	
BIOL 2401	Anatomy and Physiology I	
BIOL 2402	Anatomy and Physiology II	
BIOL 2420	Microbiology for Non-Science Majors	
BIOL 2404	Anatomy and Physiology	
CHEM 1405	Introductory Chemistry I	
CHEM 1407	Introductory Chemistry II	
CHEM 1411	General Chemistry I	
CHEM 1412	General Chemistry II	
CHEM 2423	Organic Chemistry	
PHYS 1401	College Physics I	
PHYS 1402	College Physics II	
PHYS 1415	Physical Science I	
PHYS 1417	Physical Science II	
PHYS 2425	University Physics I	
PHYS 2426	University Physics II	

Language, Philosophy, & Culture (040)

Select one course from the following 3

ENGL 2322	British Literature I
ENGL 2323	British Literature II
ENGL 2327	American Literature I
ENGL 2328	American Literature II
ENGL 2332	World Literature I
ENGL 2333	World Literature II
HUMA 1301	Introduction to Humanities I
PHIL 1301	Introduction to Philosophy
PHIL 2306	Introduction to Ethics
SPAN 2311	Intermediate Spanish I
SPAN 2312	Intermediate Spanish II

Creative Arts (050)

Select one course from the following 3

ARTS 1301	Art Appreciation
ARTS 1303	Art History I (prehistoric to the 14th Century)
ARTS 1304	Art History II (14th Century to Present)
ARTS 1313	Foundations of Art
DRAM 1310	Theater Appreciation
DRAM 2366	Film Appreciation
MUSI 1306	Music Appreciation
MUSI 1307	Music Literature
MUSI 1310	American Music

History (060)

Select two courses from the following 6

HIST 1301	United States History I
HIST 1302	United States History II
HIST 2301	Texas History

Government (070)

Select two courses from the following 6

GOVT 2305	Federal Government Constitution
GOVT 2306	Texas Government

Social Behavioral Science (080)

Select one course from the following 3

AGRI 2317	Introduction to Agricultural Economics
ECON 2301	Principles of Macroeconomics
ECON 2302	Principles of Microeconomics
PSYC 2301	General Psychology
PSYC 2314	Lifespan Growth and Development
SOCI 1301	Introduction to Sociology
SOCI 1306	Social Problems
SOCI 2301	Marriage and the Family

Component Area Requirement - CAO (090)

Select two courses from the following

6

AGRI-1407	Agronomy
AGRI-1419	Introductory Animal Science
AGRI-2317	Introduction to Agricultural Economics
BCIS-1305	Business Computer Applications
BIOL-1406	Biology for Science Majors I
BIOL-1407	Biology for Science Majors II
BIOL-2401	Anatomy and Physiology I
BIOL-2402	Anatomy and Physiology II
BIOL-2420	Microbiology for Non-Science Majors
BIOL-2404	Anatomy and Physiology
BUSI-2305	Business Statistics
CHEM-1405	Introductory Chemistry I
CHEM-1407	Introductory Chemistry II
CHEM-1411	General Chemistry I
CHEM-1412	General Chemistry II
CHEM-2423	Organic Chemistry I
EDUC/PSYC-1300	Learning Framework
ENGL-2311	Technical & Business Writing (One Semester Course)
MATH-1314	College Algebra
MATH-1324	Mathematics for Business & Social Sciences
MATH-1325	Calculus for Business and Social Sciences
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)
MATH-1342	Elementary Statistical Methods
MATH-1350	Mathematics for Teachers I (Fundamentals of Mathematics I)
MATH-1351	Mathematics for Teachers II (Fundamentals of Mathematics II)
MATH-2312	Pre-Calculus Math
MATH-2413	Calculus I
MATH-2414	Calculus II
MATH-2415	Calculus III
MATH-2318	Linear Algebra
MATH-2320	Differential Equations
PHYS-1401	College Physics I
PHYS-1402	College Physics II
PHYS-1415	Physical Science I
PHYS-1417	Physical Science II
PHYS 2425	University Physics I
PHYS 2425	University Physics II
PSYC 2317	Statistical Methods in Psychology
SPCH 1315	Public Speaking
SPCH 1321	Business and Professional Communication

Suggested Pathway Electives

Suggested pathway electives to complete 60 semester hours are dependent on the program of study (2 of the 18 required hours will consist of science labs).

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University Transfer Opportunities

Suggested University Transfer Programs

Trinity Valley Community College maintains contact with the senior institutions in the state to ensure that the university transfer courses offered at TVCC are equivalent in quality and content to senior institutions.

The Coordinating Board of the Texas College and University System has designated the Associate of Arts degree (AA), Liberal Arts (Multidisciplinary) Major and Associate of Arts degree (AAT), Teaching major as collegiate degrees related to baccalaureate degrees.

At Trinity Valley Community College, a student who enters one of the programs listed below may earn a degree by completing a general education component or the core curriculum with additional suggested freshman and sophomore academic courses equivalent to 60 semester credit hours (SCH). The THECB approves these courses, which are listed in the Academic Course Guide Manual, and are transferable to senior colleges and universities in Texas.

TVCC's general education degrees are composed of the following:

- Associate of Arts degree, Liberal Arts (Multidisciplinary) major (AA)
 - In accordance with Senate Bill 1189, passed by the 84th Legislative Session, Trinity Valley Community College has designated the AA as the **multidisciplinary studies associate degree**.
- Associate of Arts degree, Teaching major (AAT)
 - Leading to initial Texas teacher certification
 - EC-6, 4-8, 6-12, and EC-12 special education
- Associate of Arts degree, Music major (AAM)
 - The Associate of Arts curricula, Music major (AAM) degree is designed for students intending to transfer their coursework to a university music program. Core completion is not a requirement for the AAM degree, and a student will not transfer as core complete.

The AA and AAT provide general academic curricula in university-parallel and pre-professional pathways of study, which enable students to enter as juniors at senior colleges or universities of their choice. Students who attend TVCC for one or two years and transfer to senior colleges or universities should have no difficulty completing a transfer of credits if they follow these steps:

1. Select a pathway of study and a senior college or university that offers a bachelor's degree in the chosen pathway;
2. Write or visit the Registrar's Office of the senior College or University to obtain a current copy of its catalog and study the freshman and sophomore courses offered;

3. Confer with an academic advisor and receive assistance selecting TVCC courses corresponding to those offered for freshman and sophomore years at the senior College or transfer university;
4. Complete the TVCC transfer courses with a GPA of at least 2.0 (C average);
5. Apply for admission to the senior College or University early in the last semester enrolled at TVCC and ask the Registrar's Office to send a transcript to the receiving institution.

Enrollment in University Transfer Programs

To enroll in an academic program, the student must first meet the entrance requirements to Trinity Valley Community College. Although the College is committed to the concept of open-door admissions, this does not imply that upon admission, the student is eligible to enroll in any curriculum offered by the College.

When academic deficiencies are identified, students must overcome these deficiencies before undertaking university transfer courses. Students entering with academic deficits or low scores on required placement tests will be required to enroll and complete developmental courses. Additionally, some academic courses have prerequisite or corequisite enrollment stipulations. Refer to the course descriptions section of this publication for prerequisite or corequisite enrollment stipulations.

Suggested University Transfer Curricula

The following curricula outline the suggested coursework sequence and selection for some of the more typical and popular baccalaureate programs. The degree plans/pathways have been constructed in accordance with the core curricula approved by the Texas Higher Education Coordinating Board and after careful analysis of the degree requirements established by senior colleges and universities in Texas. The suggested curricula are not designed for any particular senior institution, nor are they the only curricula available. The academic courses offered at Trinity Valley Community College allow the flexibility to design special curricula applicable to other bachelor's degree programs.

Academic advisors will help students develop a degree plan/pathway appropriate to their situation. ***It is the student's responsibility to check the catalog of the senior College or university of their choice.*** Universities and colleges have different requirements for degrees. Students should confer with a TVCC advisor and contact the selected senior College or university before registration each semester.

The suggested order of courses by semester and year in the various degree plans facilitates registration and scheduling and guarantees that course prerequisites have been met. Students are encouraged to follow the sequence to avoid complications in completing their degrees.

Resolution of Transfer Disputes

For the resolution of transfer disputes for lower-division courses, TVCC follows THECB guidelines, which state:

If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution will give written notice to the student and the sending institution that the transfer of the course credit is denied.

The two institutions and the student will attempt to resolve the course credit transfer in accordance with Board rules and guidelines.

If the transfer dispute is not resolved to the student's satisfaction or the sending institution within 45 days of receiving written notice of denial, the institution whose credit is denied for transfer will notify the commissioner of the denial.

The commissioner of higher education or the commissioner's designee will make the final determination about the dispute concerning the transfer of course credit and give written notice of the decision to the involved student and institution.

Academic Education Advising

Since students enrolled in university transfer programs generally plan to seek a bachelor's degree at a senior college or university, selecting courses to complete the freshman and sophomore years should be done in consultation with an academic advisor, particularly the TVCC Transfer Advisor. Not all senior institutions agree on the same list of courses as meeting the same degree requirements. The advising staff is familiar with the various universities' requirements for specific degrees. Once the student at Trinity Valley Community College has selected a major field of study and identified the senior institution they plan to attend, the advisor can assist the student in developing a degree plan/pathway consistent with that institution's requirements. The student should also contact the senior College or university they plan to attend for advice on their course selection. This assures the maximum transfer credit for the courses taken at Trinity Valley Community College.

The student who has not declared a major field of study will develop a degree plan/pathway in consultation with the TVCC advising staff.

Students enrolled in an AA or AAS degree may take courses not listed in their degree plan/pathway. However, they must realize credits may accumulate that do not apply to their university degree. Financial aid will not cover Courses outside of a degree plan.

Workforce Division

Workforce and technical education is designed to provide the educational competencies and skills required for employment in business, industry, public service, technical fields, and health services. In addition, many students enhance and upgrade their job skills for career advancement.

Trinity Valley Community College provides quality workforce and technical education programs specifically designed to meet the needs of employers located in the geographic area served by the College. Each program has an advisory committee consisting of individuals from business and industry that provide input into the curriculum, courses, equipment needs, and overall evaluation of the effectiveness of the program.

TVCC workforce and technical programs are designed to meet business and industry employment needs for a skilled workforce while meeting a broad spectrum of student interests, needs, and abilities. Students may enroll in the associate of applied science (AAS) degree program, certificate of completion (CC) program, occupational skill award (OSA), or enhanced skills certificate (CERT3) award. Each AAS program and certificate has been approved by the Texas Higher Education Coordinating Board and students must complete all courses specified in the degree plan. Substitutions for any course in the AAS degree or certificate require the approval of the associate vice president of workforce education.

The associate of applied science degree provides a two-year curriculum, consisting of core program courses, related courses, and general studies courses. The certificate of completion is designed to provide core courses in a workforce and technical education program that specifically and directly relate to competencies needed for employment and potential advancement in a career field. An occupational skill award (OSA) enables students to receive recognition (not designated on transcripts) for entry-level employment or industry-recognized certification or licensure. An enhanced skills certificate is intended to provide advanced skills, identified by business and industry, which are not part of the degree.

TVCC has implemented stackable credentials that allow students to enroll in an occupational skill award (OSA), which leads to a certificate of completion program and into the corresponding associate degree program. Many workforce and technical programs can also transition into a bachelor of applied arts and science (BAAS) degree at state universities. Please see an academic advisor or workforce education program coordinator for more information on pursuing a BAAS with a partnering university after completing an AAS degree with Trinity Valley Community College.

Services and resources are available through the Texas Higher Education Coordinating Board Perkins V: Strengthening Career & Technical Education for the 21st Century Act grant for students pursuing a workforce and technical education program. Assistance programs include childcare reimbursement, laptop loaners, Mifi hotspot loaners, textbook loaners, educational supplies assistance, and transportation reimbursement and are available for eligible students on a first-come, first-serve basis. Eligibility requirements include but are not limited to, declaration of workforce major, Pell grant eligibility, and enrollment status. In addition, students with unique and special circumstances, including academically and economically disadvantaged, English as a second language, single parents, individuals with disabilities, a youth of a parent on active duty in the armed forces, and/or individuals aged out of foster care are also eligible. Questions regarding workforce and technical education programs at Trinity Valley Community College should call the associate vice president of workforce education at 903-675-6232 or email workforceEd@TVCC.edu.

Enrollment in Workforce & Technical Education Programs

To enroll in workforce and technical programs, the student must meet the requirements for admission to Trinity Valley Community College. Students entering certain workforce and technical programs should carefully consider their individual criminal history as it can impact their eligibility for pursuing state and national licenses. Refer to the descriptions of the individual programs on the following pages for any special requirements.

Some changes in workforce and technical programs reflected in this catalog may be pending approval by the Texas Higher Education Coordinating Board and/or the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and will be noted as "**Pending**".

On the following pages, specific courses that are required in each of the workforce and technical education programs are outlined. The vice president of instruction, the associate vice president of workforce education, advisors, or program coordinators will be able to provide additional information about the programs of study and assist the student in selecting courses. Substitutions for any course in the AAS degree or certificate require the approval of the associate vice president of workforce education.

Workforce Education Coordinators

Associate Vice President of Workforce Education

Rich Crosby

Health Occupations

Dr. Jason Smith, Associate Vice President - Health Science Center

Courses	Coordinators
Associate Degree Nursing	Dr. Courtney Tijerina
Emergency Medical Technology	Cheri Shannon
Clinical Medical Assistant	Dana Curry
Patient Care Technology	Donna Pringle
Pharmacy Technician	Cindy Darragh
Surgical Technology	TBD
Vocational Nursing	Tangie Anderson, Terrell & TBD, Palestine

Adult and Continuing Education

Chris Hicks, Director

Small Business Development Center

Jennifer Johnston, Director

Business and Technology Division

Robert Brittain, Division Chairperson

Courses	Coordinators
Computer Science	Robert Brittain
Accounting	David Loper
Business Administration	Dr. Afton Rumsey
Robotics - Automation & Numerical Control	Ronn Herrod
Electrical Lineworker	Robert Brittain

Career & Technical Division

Michael Felty, Division Chairperson

Courses	Coordinators
Cosmetology	Valerie Holmes
Welding	Tom Sheram
Drafting	Donald Fulford
Electrical	Maurice Caines

Plumbing	Vacant
HVAC (TDCJ Only)	Vance Fisher
Basic Automotive	Dual Credit
MET (TDCJ Only)	Sam Austin

Education and public Service

Suzzette Stringer, Division Chairperson

Courses	Coordinators
Early Childhood Development and Education	Suzzette Stringer
Legal Assistant	Donna Bennett
Fire Science	Paul Ayers
Court Reporting	TBD

Accounting, Economics, and Mathematics

Debra White Smith, Division Chairperson

Courses	Coordinators
Accounting	David Loper

Science

John Placyk, Division Chairperson

Courses	Coordinators
Agriculture/Ranch Management	Marc Robinson/Brent Bratton
Beef Cattle Manager	Marc Robinson
Beef Cattle Show Team	Marc Robinson
Ranch & Feedyard Operations	Marc Robinson
Rodeo	Brent Bratton

Kaufman Campus

Amanda Leyva, Campus Director

Palestine Campus

Karen Shipman, Campus Director

Terrell Campus

Debra Airheart, Campus Director

Adult and Continuing Education

Adult Education

Adult Education preparation courses are non-credit courses . They are intended to assist adults in acquiring basic academic skills to prepare them for examinations such as the TSI, High School Equivalency exam (GED), and acquire basic academic skills needed in the workplace. There is a monetary charge for these courses. Students must be an out of school adult, 18 years or older.

High School Equivalency exam (GED) preparation courses will help adults gain proficiency in math, reading and writing skills. Courses are designed to provide an excellent opportunity for adults to successfully attain their goal of completing the High School Equivalency exam (GED), entering college and basic academic skills.

Please call the Adult and Continuing Education office at 903-675-6212, or email conted@TVCC.edu.

Continuing Education

Continuing Education is non-credit courses and/or training to meet community workforce needs, general interest and personal enrichment. Continuing Education promotes and maintains collaborations and partnerships with state and regional workforce boards/ centers, governmental agencies and public and private groups to meet individual and community needs.

Please call the Continuing Education office at 903.675.6212, or email conted@TVCC.edu.

Adult and Continuing Education Courses

TVCC provides Adult and Continuing Education non-credit courses and/or training through direct instruction, hybrid instruction, distance learning instruction, hands-on labs and clinical experiences.

Focus is on:

- Basic academic skills in reading, language writing, math
- Workforce skills training for business and industry, technology, medical, communication and calculation
- Industry certifications and licensures
- The arts for individuals, families and youth
- Academic preparation for college and careers
- Leisure and cultural activities/events/training
- Community support training (mental health awareness for youth and adults; senior citizens and youth activities)
- Professional development for professionals and paraprofessionals

Auditing a Course (Learning for Living)

Auditing a course allows a student to take a course without the benefit of a grade or credit for a course. A student who audits a course does so for the sole purposes of self-enrichment and academic exploration. Audit courses carry no academic, credit or non-credit value, do not fulfill degree requirements and are not eligible for articulation at a later date. Permission to audit a course entitles the student (auditor) to attend class. Auditors do not hand in assignments, take part in discussions or receive evaluations. Auditors are permitted only when space is available. An instructor or director may refuse any request to audit a course. Auditors must abide by all rules as published in the TVCC catalog. For information about auditing a class, please contact TVCC's Adult and Continuing Education department either by email conted@TVCC.edu or by phone 903-675-6212.

Registration for Non-Credit Training Courses

TVCC Adult and Continuing Education Department registers students for non-credit courses and/or training. Students may register online, or in person on any one of the TVCC campus locations in Athens, Palestine, Kaufman, and Terrell. TDCJ non-credit students register through the TVCC TDCJ Correctional Program office.

Refunds for Non-Credit Training

Full refunds are provided should a course/training/event not happen for any reason. Other full refunds may be available noon of the business day prior to the start of the course/training/event. No refunds are available after that time.

Continuing Education Units (CEU)

Continuing education units (CEUs) are awarded upon successful completion of eligible non-credit courses. A CEU is a recognized unit of measurement of achievement that represents 10 clock hours of instruction.

Example:

- 5 Clock Hours --- .5 CEU
- 10 Clock Hours --- 1.0 CEU
- 15 Clock Hours --- 1.5 CEU

No CEU may be awarded if the participant is not in attendance for at least 80% of the total course instruction.

A permanent transcript will be kept for each participant and will reflect the proper CEUs earned. Transcripts may be requested through the registrar's office.

TVCC Gold Card for Senior Adults

The TVCC Gold Card is offered to senior adults age 60 and older. Senior adults must be residents of the tax district for a one-time \$10 fee. The Adult and Continuing Education Department is available to assist with enrollment. The fee should be paid online or in person to the cashier's office located on TVCC campuses. Individuals who have retired from TVCC are entitled to receive the TVCC Gold Card free of charge.

Benefits are:

- free admission to all athletic TVCC home games
- free admission to plays, concerts, art shows, guest lecturers and forums conducted on TVCC campuses.
- TVCC library privileges - some restrictions may apply
- 50% tuition and fees discount for TVCC college credit courses (space permitting)
- 50% tuition and fees discount for TVCC non-credit courses (space permitting)
- 50% tuition and fees discount for TVCC non-credit Learning for Living (audit) courses (space permitting)

The following school districts are within the tax-paying district:

- Athens
- Brownsboro
- Chandler
- Crandall
- Cross Roads
- Eustace
- Frankston
- Kaufman
- Kemp
- LaPoynor
- Mabank
- Malakoff
- Murchison
- Palestine
- Scurry-Rosser
- Terrell
- Trinidad

Associate of Applied Science Degree

The associate of applied science degree (AAS) is awarded for the successful completion of a two-year prescribed workforce and technical education curriculum and may be transferable to a Bachelor of Applied Arts and Science (BAAS). Substitutions for any course in the AAS degree or certificate requires the approval of the associate vice president of workforce education.

In order to be eligible for an associate of applied science degree (AAS), students must:

1. Complete a minimum of 60 semester credit hours.
2. Complete a minimum of 12 semester credit hours in the major field.
3. Complete the prescribed curriculum for a two-year workforce program containing 15 semester hours of general education courses determined from the requirements outlined below.
4. Earn a minimum grade point average of 2.0 on all courses attempted at the post-secondary level.
5. Complete a minimum of 15 semester credit hours in residence prior to graduation.
6. Complete TSI (p. 48) requirements.

General education courses should be transferable and included in the ACGM or on the college's approved academic unique need course inventory. They must be selected from the following areas and include at least three semester credit hours: language, philosophy, & culture/creative arts, social & behavioral sciences, and life & natural science/mathematics.

Humanities/Fine Arts	Social/Behavioral Science	Natural Science and Math
<ul style="list-style-type: none">• Communication	<ul style="list-style-type: none">• American History	<ul style="list-style-type: none">• Mathematics
<ul style="list-style-type: none">• Language, Philosophy, and Culture	<ul style="list-style-type: none">• Government/Political Science	<ul style="list-style-type: none">• Learning Frameworks
<ul style="list-style-type: none">• Creative Arts	<ul style="list-style-type: none">• Social and Behavioral Sciences	

Career Coach and Workforce Education Advising

Career counseling, academic advisement, and career exploration are available for students enrolled in the workforce and technical education programs at Trinity Valley Community College. Student support assistance is provided by the Texas Higher Education Coordinating Board Perkins V: Strengthening Career & Technical Education for the 21st Century Act Grant. Assistance programs include childcare reimbursement, laptop loaners, Mifi hotspot loaners, textbook loaners, educational supplies, and transportation reimbursement and are available for eligible students on a first-come, first-serve basis. Eligibility requirements include but are not limited to, declaration of workforce major, Pell grant eligibility, and enrollment status. In addition, students with unique and special circumstances, including academically and economically disadvantaged, English as a second language, single parents, individuals with disabilities, a youth of a parent on active duty in the armed forces, and/or individuals aged out of foster care are also eligible.

Workforce and technical education program coordinators (p. 218) are also available to discuss program specifics, course sequencing, career opportunities, and more during office hours and by appointment.

Career Coach is a program designed for students to discover majors, in-demand careers, and education based on student interests. Career assessments, career browsing, resume building, and educational program exploration is available for all Trinity Valley Community College students. In addition, free job postings from business and industry partners are made available to all Trinity Valley Community College students through Career Coach.

For questions regarding workforce education programs at Trinity Valley Community College, call the Associate Vice President of Workforce Education at 903-675-6232 or email workforceEd@TVCC.edu.

For questions regarding Career Coach at Trinity Valley Community College, call the Associate Vice President of Workforce Education at 903-675-6232 or email workforceEd@TVCC.edu.

Certificate of Completion

The certificate of completion is designed to provide core courses in a workforce and technical education program that specifically and directly relate to competencies needed for employment and potential advancement in a career field. Certificates of completion are desired by many employers, especially by those in demanding workforce fields.

In order to be eligible for a certificate of completion (CC), students must:

1. Complete the prescribed curriculum for programs of less than two years duration as outlined in this catalog.
2. Earn a minimum grade point average of 2.0 in the courses presented to meet the requirements for the certificate.
3. Complete a minimum of 15 semester credit hours in residence prior to graduation.
4. Complete TSI (p. 48) requirements, if applicable. While many CCs are exempt from TSI (p. 48) requirements, consult with an academic advisor for accurate information regarding each CC's testing requirements.

Occupational Skills Achievement Award

Occupational Skills Awards (OSA) enable students to receive recognition (not designated on transcripts) for entry-level employment or industry-recognized certification or licensure. TVCC has implemented stackable credentials that allow students to enroll in an occupational skills award, which builds into a certificate of completion program and into the corresponding associate degree program.

The OSA is a sequence of courses that meet the minimum standard for program length specified by the Texas Workforce Commission for the federal Workforce Innovation and Opportunity Act (WIOA) program (9-14 SCH for credit courses or 144-359 contact hours for workforce continuing education courses).

An OSA must possess the following characteristics:

1. The credential is TSI-waived under THECB Rule 4.54b;
2. The content of the credential must be recommended by an external workforce advisory committee, or the occupation must appear on the Local Workforce Development Board's High Demand Occupations list;
3. In most cases, the credential should be composed of WECM courses only;
4. The credential complies with the Single Course Delivery guidelines for WECM courses (see Chapter Four); and
5. The credential prepares students for employment in accordance with guidelines established for WIOA.

In order to be eligible for an OSA award, students must:

1. Complete the prescribed curriculum for the OSA as outlined in this catalog.

TVCC PATHWAYS

Degrees and Certificates

Trinity Valley Community Colleges offers associate of arts degrees, associate of applied science degrees, certificates of completion, and occupational skills achievement awards in a variety of career related fields. Each of TVCC's instructional programs falls in at least one designated pathway.

TVCC's career related pathways include:

- Arts, Humanities and Social Sciences Pathway
- Business and Technology Pathway
- Health Sciences Pathway
- Public Services Pathway
- Science, Engineering and Math Pathway
- Service and Production Industry Pathway

Note: Criminal history MAY disqualify individuals from obtaining or maintaining licenses, certifications, and/or employment. TVCC awards some certificates and degrees in which a criminal history **may** disqualify candidates from becoming licensed, certified, and/or employed upon degree/certificate completion. Students **with** a criminal background enrolling in courses leading to a degree/certificate in criminal justice, cosmetology, early childhood, nail technician, esthetician, Heating/Ventilation/Air Conditioning (HVAC), electrical lineworker, electrical trades, plumbing trades, Emergency Medical Technology (EMT), medical/nursing assistant, nurse aide, Vocational Nursing (VN), Associate Degree Nursing (ADN), surgical technology, Patient Care Technology (PCT), or pharmacy technician program are **strongly encouraged** to discuss the certification and/or licensing regulations of the program with the TVCC program director listed in the current catalog to learn more about the current guidelines related to criminal history as well as the right of individuals to request a criminal history evaluation letter.

Arts, Humanities and Social Sciences Pathway

- Art
- Dance
- Drama
- English
- History and Government
- Music
- Pre-Law
- Psychology
- Sociology
- Spanish

Art

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Art provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an Art degree include art consultant, designer, educator, exhibition designer, fine artist, illustrator, multimedia artist/ animator, museum gallery curator, and art studio manager.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Art AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Art provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an Art degree include art consultant, designer, educator, exhibition designer, fine artist, illustrator, multimedia artist/ animator, museum gallery curator, and art studio manager.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All courses are available online except studio arts
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
ARTS-1301	Art Appreciation	3
EDUC/PSYC-1300	Learning Framework	3
ARTS-1313	Foundations of Art	3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
ARTS-1303	Art History I (prehistoric to the 14th Century)	3
Core Math		3
Social & Behavioral Science		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Component Area Requirement (CAO		3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Suggested Pathway Elective		4
Suggested Pathway Elective		3
Hours		14
Total Hours		60

Art Pathway Electives

Code	Title	Hours
ARTS-1304	Art History II (14th Century to Present)	3
ARTS-1311	Design I (2-Dimensional)	3
ARTS-1316	Drawing I	3
ARTS-1317	Drawing II	3
ARTS-2346	Ceramics I	3
ARTS-2347	Ceramics II	3
ARTS-2316	Painting I	3
ARTS-1325	Drawing & Painting	3
ARTS-2389	Academic Cooperative	3

Contact TVCC advising center and your transfer college or university to determine the transferability of courses and college or university requirements.

Art Pathway Courses

ARTS-1301. Art Appreciation. (3 Credits)

(3-3-0) (Core Area 050) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural and historical contexts.

ARTS-1303. Art History I (prehistoric to the 14th Century). (3 Credits)

(3-3-0) (Core Area 050) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A chronological analysis of the historical and cultural contexts of the visual arts from prehistoric times to the 14th century. Includes eras of art and architecture from prehistoric times, Egyptian, Greek, Roman, Byzantine and Gothic.

ARTS-1304. Art History II (14th Century to Present). (3 Credits)

(3-3-0) (Core Area 050) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A chronological analysis of the historical and cultural contexts of the visual arts from the 14th century to the present. Covers movements in art and architecture, including the Renaissance, Baroque, Neoclassical, Impressionist, modern, postmodern and contemporary.

ARTS-1311. Design I (2-Dimensional). (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the fundamental terminology, concepts, theory and application of two-dimensional design. Emphasis on two-dimensional design; includes the fundamentals of line, color, form, texture, shape, space and arrangement. Lab fee.

ARTS-1313. Foundations of Art. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the creative media designed to enhance artistic awareness and sensitivity through the creative and imaginative use of art materials and tools. Includes art history and culture through the exploration of a variety of art works with an emphasis on aesthetic judgment and growth. Lab fee.

ARTS-1316. Drawing I. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A foundation course exploring drawing with emphasis on descriptive, expressive and conceptual approaches. Students will learn to see and interpret a variety of subjects while using diverse materials and techniques. Course work will facilitate a dialogue in which students will engage in critical analysis and begin to develop their understanding of drawing as a discipline. Lab fee.

ARTS-1317. Drawing II. (3 Credits)

(3-2-4) This course is taken for academic credit. (Prerequisite ARTS 1316) Students will earn an A, B, C, D, F, or W. A studio course exploring drawing with continued emphasis on descriptive, expressive and conceptual approaches. Students will further develop the ability to see and interpret a variety of subjects while using diverse materials and techniques. Course work will facilitate a dialogue in which students will employ critical analysis to broaden their understanding of drawing as a discipline. Lab fee.

ARTS-1325. Drawing & Painting. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Drawing and painting for non-art majors.

ARTS-2316. Painting I. (3 Credits)

(3-2-4) This course is taken for academic credit. (Prerequisite ARTS 1316 and 1311) Students will earn an A, B, C, D, F, or W. Exploration of ideas using painting media and techniques. Instructor approval required before enrollment. Lab fee.

ARTS-2346. Ceramics I. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Exploration of ideas using basic ceramic processes. Lab fee.

ARTS-2347. Ceramics II. (3 Credits)

(3-2-4) This course is taken for academic credit. (Prerequisite ARTS 2346) Students will earn an A, B, C, D, F, or W. Exploration of ideas using basic ceramic processes. Lab fee.

ARTS-2389. Academic Cooperative. (3 Credits)

(3-1-8) This course is taken for academic credit. (Prerequisite approval of instructor) Students will earn an A, B, C, D, F, or W. An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of studio art and/or art history. Ordinarily only students with training in art will be allowed to enroll as considerable independent work is required. Lab fee.

Dance

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Dance provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Dance degree include dancer, choreographer, consultant, and dance instructor.

Career Coach & Transfer Opportunities

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- Interactive Career Catalog
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Some careers in this field will require a bachelor's degree.

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- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Dance AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Dance provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Dance degree include dancer, choreographer, consultant, and dance instructor.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All courses available are online except dance
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
DANC-1112	Dance Practicum	1
DANC-1151	Freshman Dance Performance	1
KINE-1116	Cardettes, Band & Cheerleaders	1
DANC-1241	Beginning Ballet	2
Hours		14
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
DANC-1247	Beginning Jazz Dance	2
Core MATH		3
Social & Behavioral Science		3
KINE-1136	Cardettes, Band & Cheerleaders	1
KINE-1122	Competitive Sports Skills	1
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Component Area Requirement (CAO))	3
DANC-2151	Sophomore Dance Performance	1
KINE-1117	Cardettes, Band & Cheerleaders	1
Hours		15
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
DANC-2247	Intermediate Jazz Dance	2
KINE-1137	Cardettes, Band & Cheerleaders	1
Creative Arts		3
Suggested Pathway Elective		2
Hours		15
Total Hours		60

Dance Pathway Electives

Code	Title	Hours
DANC-2241	Intermediate Ballet	2
KINE-1122	Competitive Sports Skills	1
KINE-1123	Competitive Sports Skills	1

Contact TVCC advising center and your transfer college or university to determine the transferability of courses and college or university requirements.

Dance Pathway Courses

DANC-1110. Tap Dance. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the fundamental techniques and concepts associated with Tap dance. Lab fee.

DANC-1112. Dance Practicum. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practicum in dance related topics with emphasis on practical skills necessary for the field. Lab fee.

DANC-1151. Freshman Dance Performance. (1 Credit)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in dance performance through experiential projects at the freshman level. Lab fee.

DANC-1241. Beginning Ballet. (2 Credits)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the fundamental techniques and concepts associated with ballet. Lab fee.

DANC-1247. Beginning Jazz Dance. (2 Credits)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the fundamental techniques and concepts associated with jazz dance. Lab fee.

DANC-2151. Sophomore Dance Performance. (1 Credit)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in of dance performance through experiential projects at the sophomore level. Lab fee.

DANC-2241. Intermediate Ballet. (2 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the intermediate techniques and concepts associated with ballet. Lab fee.

DANC-2247. Intermediate Jazz Dance. (2 Credits)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the intermediate techniques and concepts associated with jazz dance. Lab fee.

Drama

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Drama provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Drama degree include costume attendants, set/exhibit designers, stage/motion picture/television directors, producers, drama instructors, makeup artists, and actors.

Career Coach & Transfer Opportunities

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- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Drama AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Drama provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Drama degree include costume attendants, set/exhibit designers, stage/motion picture/television directors, producers, drama instructors, makeup artists, and actors.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All courses are available online except drama performance
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
Select one of the following:		1
DRAM-1120	Theatre Practicum I	
Fall Path Elective		
DRAM Fall Pathway Elective		3
Hours		13
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Core Math		3
SPCH-1315	Public Speaking	3
or SPCH-1321	or Business and Professional Communication	
Select one of the following:		1
DRAM-1121	Theatre Practicum II	
Spring Pathway Elective		
DRAM Spring Pathway Elective		3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Select one of the following:		3
DRAM-1310	Theater Appreciation	
DRAM-2366	Film Appreciation	
Select one of the following:		1
DRAM-2120	Theatre Practicum III	
Fall Pathway Elective		
DRAM Fall Pathway Elective		3
Hours		17
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Social & Behavioral Science		3
Select one of the following:		1
DRAM-2121	Theatre Practicum IV	
Spring Pathway Elective		
DRAM Spring Pathway Elective		3
Hours		14
Total Hours		60

All theatre scholarship recipients are required to enroll in theatre practicum each semester.

Drama Fall Pathway Electives

Code	Title	Hours
DRAM-1351	Acting I	3
DRAM-1330	Stagecraft I	3
DRAM-1352	Acting II	3
DRAM-2335	Theater Design	3
MUAP-1281	Voice	2
MUAP-2281	Voice	2

Drama Spring Pathway Electives

Code	Title	Hours
DRAM-2389	Academic Cooperative	3
DRAM-2355	Script Analysis	3
DRAM-1322	Stage Movement	3
DRAM-1342	Costume Technology	3
DRAM-1341	Stage Makeup	3
MUAP-1282	Voice ¹	2
MUAP-2282	Voice	2

Contact TVCC advising center and your transfer college or university to determine the transferability of courses and college or university requirements.

Drama Pathway Courses

DRAM-1120. Theatre Practicum I. (1 Credit)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Lab fee.

DRAM-1121. Theatre Practicum II. (1 Credit)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Lab fee.

DRAM-1310. Theater Appreciation. (3 Credits)

(3-3-0) Core Area 050 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Survey of theater including its history, dramatic works, stage techniques, production procedures and relation to other art forms. Participation in productions may be required.

DRAM-1322. Stage Movement. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Principles, practices, and exercises in awareness, relaxation, freedom, flexibility, and expressiveness in the actor's physical instrument. Lab Fee.

DRAM-1330. Stagecraft I. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study and application of the methods and components of theatrical production which may include one or more of the following: theater facilities, scenery construction and painting, properties, lighting, costume, makeup, sound and theatrical management. Lab fee.

DRAM-1341. Stage Makeup. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Design and execution of makeup for the stage performer. Includes discussion of basic makeup principles and practical experience of makeup application. Lab fee.

DRAM-1342. Costume Technology. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the process and application of the fundamental skills of costume production, modification, and maintenance. Lab fee.

DRAM-1351. Acting I. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the fundamental principles and tools of acting as used in auditions, rehearsals and performances. This may include ensemble performing, character and script analysis and basic theater terminology. This exploration will emphasize the development of the actor's instrument: voice, body and imagination. Lab fee.

DRAM-1352. Acting II. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Exploration and further training within the basic principles and tools of acting, including an emphasis on critical analysis of oneself and others. The tools include ensemble performing, character and script analysis, and basic theater terminology. This will continue the exploration of the development of the actor's instrument: voice, body and imagination.

DRAM-2120. Theatre Practicum III. (1 Credit)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Lab fee.

DRAM-2121. Theatre Practicum IV. (1 Credit)

(1-0-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practicum in theater open to all students with emphasis on technique and procedures with experience gained in play productions. Lab fee.

DRAM-2335. Theater Design. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Survey of principles and practices of theater design and its elements. The fundamentals of art and their application to major areas of theatrical design.

DRAM-2355. Script Analysis. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Examination of foundational skills for understanding the structure and content of play scripts for interpretation and conceptualization in theater productions by directors, designers, actors, and technicians. Introduces students to significant plays in the history of dramatic literature in the playwright's social and cultural context.

DRAM-2366. Film Appreciation. (3 Credits)

(3-2-4) Core Area 050 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Survey and analyze cinema including history, film techniques, production procedures, selected motion pictures, and cinema's impact on and reflection of society. The lab part of the course will primarily be devoted to viewing selected films. Lab fee.

DRAM-2389. Academic Cooperative. (3 Credits)

(3-1-5) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of drama. Lab fee.

English

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in English provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an English degree include law, political science/government, public administration, business management, communication, and education.

Career Coach & Transfer Opportunities

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- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

English AA, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in English provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an English degree include law, political science/government, public administration, business management, communication, and education.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
ENGL-2311	Technical & Business Writing (One Semester Course)	3
Core MATH		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
SPCH-1315	Public Speaking	3
or SPCH-1321	or Business and Professional Communication	
Social & Behavioral Science		3
Suggest Pathway Elective		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Creative Arts		3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Suggested Pathway Elective		3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

English Pathway Electives

Code	Title	Hours
ENGL-2322	British Literature I	3
ENGL-2323	British Literature II	3
ENGL-2327	American Literature I	3
ENGL-2328	American Literature II	3
ENGL-2332	World Literature I	3
ENGL-2333	World Literature II	3
ENGL-2351	Mexican American Literature	3
SPAN-1411	Beginning Spanish I	4
SPAN-1412	Beginning Spanish II	4
SPAN-2311	Intermediate Spanish I	3
SPAN-2312	Intermediate Spanish II	3

Contact TVCC advising center and your transfer college or university to determine the transferability of courses and college or university requirements.

English Pathway Courses

ENGL-1301. Composition I. (3 Credits)

(3-3-0) Core Area 010 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement and style. Focus on writing the academic essay as a vehicle for learning, communicating and critical analysis.

ENGL-1302. Composition II. (3 Credits)

(3-3-0) Core Area 010 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.

ENGL-2311. Technical & Business Writing (One Semester Course). (3 Credits)

(3-3-0) Core Area 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, e-mail messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents.

ENGL-2322. British Literature I. (3 Credits)

(3-3-0) Core Area 040 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

ENGL-2323. British Literature II. (3 Credits)

(3-3-0) Core Area 040 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

ENGL-2327. American Literature I. (3 Credits)

(3-3-0) Core Area 040 This course is taken for academic credit. (Prerequisite: ENGL 1301) Students will earn an A, B, C, D, F, or W. A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

ENGL-2328. American Literature II. (3 Credits)

(3-3-0) Core Area 040 This course is taken for academic credit. (Prerequisite: ENGL 1301) Students will earn an A, B, C, D, F, or W. A survey of American literature from the period of exploration and settlement from the Civil War to the present. Students will study works of prose, poetry, drama and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.

ENGL-2332. World Literature I. (3 Credits)

(3-3-0) Core Area 040 This course is taken for academic credit. (Prerequisite: ENGL 1301) Students will earn an A, B, C, D, F, or W. A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

ENGL-2333. World Literature II. (3 Credits)

(3-3-0) Core Area 040 This course is taken for academic credit. (Prerequisite: ENGL 1301) Students will earn an A, B, C, D, F, or W. A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

ENGL-2351. Mexican American Literature. (3 Credits)

(3-3-0) Students will earn an A, B, C, D, F, or W. Intensive study. A survey of Mexican American/Chicanx literature from Mesoamerica to the present. Students will study literary works of fiction, poetry, drama, essays, and memoirs in relation to their historical, linguistic, political, regional, gendered, and cultural contexts. Texts will be selected from a diverse group of authors, literary movements, and media forms. Topics and themes may include the literary performance of identity and culture, aesthetic mediation of racialization, struggle and protest, and artistic activism.

History and Government

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in History and Government provides a solid foundation to pursue a Bachelor's Degree. A degree in History or Government enables a student to pursue careers in fields such as: law, medicine, national park systems, libraries of archives, government, law enforcement, among many other rewarding careers.

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Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

History and Government AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in History and Government provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a History and/or Government degree include business, communications, education, politics, journalism, law or publishing.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): not required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
Social & Behavioral Science		3
Core MATH		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
SPCH-1315	Public Speaking	3
or SPCH-1321	or Business and Professional Communication	
ARTS-1303	Art History I (prehistoric to the 14th Century)	3
Suggested Pathway Elective		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
HIST-2311	Western Civilization I	3
GEOG-1303	World Regional Geography	3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
HIST-2312	Western Civilization II	3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

History/Government Pathway Electives

Code	Title	Hours
ENGL-2311	Technical & Business Writing (One Semester Course)	3
ENGL-2327	American Literature I	3
ENGL-2328	American Literature II	3
HIST-2301	Texas History	3
HIST-2327	Mexican-American History I	3
HIST-2328	Mexican-American History II	3
SPAN-1411	Beginning Spanish I	4
SPAN-1412	Beginning Spanish II	4
SPAN-2311	Intermediate Spanish I	3
SPAN-2312	Intermediate Spanish II	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

History Pathway Courses

HIST-1301. United States History I. (3 Credits)

(3-3-0) Core Area 060 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the social, political, economic, cultural and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration and creation of the federal government.

HIST-1302. United States History II. (3 Credits)

(3-3-0) Core Area 060 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government and the study of U.S. foreign policy.

HIST-2301. Texas History. (3 Credits)

(3-3-0) Core Area 060 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the political, social, economic, cultural, and intellectual history of Texas from the pre-Columbian era to the present. Themes that may be addressed in Texas History include: Spanish colonization and Spanish Texas; Mexican Texas; the Republic of Texas; statehood and secession; oil, industrialization and urbanization; civil rights; and modern Texas.

HIST-2311. Western Civilization I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from human origins to the 17th century. Themes that should be addressed in Western Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, Byzantium, Islamic civilizations, and Europe through the Middle Ages, Renaissance and Reformations.

HIST-2312. Western Civilization II. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes that should be addressed in Western Civilization II include absolutism and constitutionalism, growth of nation states, the Enlightenment, revolutions, classical liberalism, industrialization, imperialism, global conflict, the Cold War and globalism.

HIST-2327. Mexican-American History I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the economic, social, political, intellectual, and cultural history of Mexican Americans/Chicanx. Periods include early indigenous societies, conflict and conquest, early European colonization and empires, New Spain, early revolutionary period, Mexican independence and nation building, United States expansion to the United States-Mexico War Era. Themes to be addressed are mestizaje and racial formation in the early empire, rise and fall of native and African slavery, relationship to early global economies, development of New Spain's/Mexico's northern frontier, gender and power, missions, resistance and rebellion, emergence of Mexican identities, California mission secularization, Texas independence, United States' wars with Mexico, and the making of borders and borderlands.

HIST-2328. Mexican-American History II. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the economic, social, political, intellectual, and cultural history of Mexican Americans/Chicanx. Periods include the United States-Mexico War Era, incorporation of Northern Mexico into the United States, Porfirian Mexico, and the nineteenth century American West, 1910 Mexican Revolution and Progressive Era, the Great Depression and New Deal, World War II and the Cold War, Civil Rights Era, Conservative Ascendancy, the age of NAFTA and turn of the 21st Century developments. Themes to be addressed are the making of borders and borderlands, impact of Treaty of Guadalupe Hidalgo, gender and power, migration and national identities, citizenship and expulsion, nineteenth century activism and displacement, industrialization and the making of a transnational Mexican working class, urbanization and community formation, emergence of a Mexican American Generation, war and citizenship, organized advocacy and activism, Chicano Movement, changing identifications and identities, trade and terrorism. (May be applied to U.S. History requirement.)

Government Pathway Courses

GOVT-2305. Federal Government Constitution. (3 Credits)

(3-3-0) Core Area 070 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

GOVT-2306. Texas Government. (3 Credits)

(3-3-0) Core Area 070 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Origin and development of the Texas constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy and the political culture of Texas.

Music

The Associate of Arts degree in Music is designed for students intending on transferring their coursework to a university Music program. Core completion is **not** a requirement to receive the AA in Music degree. However, AA Music students will be required to complete the core curriculum at the transferring college/university.

Two majors are offered:

1. Music – Instrument
2. Music – Voice

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Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Instrument AA in Music Degree

The TVCC music major must audition with faculty and be a music major. Students pursuing the AA in music degree must enroll in private lessons (MUAP) reflective of their major instrument.

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
MUSI-1311	Music Theory I	3
MUSI-1116	Sight Singing & Ear Training I	1
Major Applied Instrument (MUAP)		2
MUSI-1181	Piano Class I	1
MUEN-1121	Marching Band	1
MUSI-0005	Recital Attendance Class	0
	Hours	14
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
MUSI-1312	Music Theory II	3
MUSI-1117	Sight Singing & Ear Training II	1
Major Applied Instrument (MUAP)		2
MUSI-1182	Piano Class II	1
MUEN-1122	Symphonic Band	1
MUSI-0005	Recital Attendance Class	0
	Hours	14
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
MUSI-2311	Music Theory III	3
MUSI-2116	Sight Singing & Ear Training III	1
Major Applied Instrument (MUAP)		2
MUSI-2181	Piano Class III	1
MUEN-2121	Marching Band	1
Core MATH		3
MUSI-0005	Recital Attendance Class	0
	Hours	18
Term Four		
GOVT-2306	Texas Government	3
MUSI-2312	Music Theory IV	3
MUSI-2117	Sight Singing & Ear Training IV	1
Major Applied Instrument (MUAP)		2
MUSI-2182	Piano Class IV	1
MUEN-2122	Symphonic Band	1
MUSI-1307	Music Literature	3
MUSI-0005	Recital Attendance Class	0
	Hours	14
	Total Hours	60

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The listed courses transfer as a block in accordance with THECB Music Field of Study. **The receiving institution should be contacted upon admission to TVCC to guarantee all requirements.**

Music majors must enroll in Recital Attendance Class each fall and spring semester for a maximum of four semesters. See the course description for MUSI-0005 Recital Attendance Class for further information.

The piano major must study a secondary instrument or voice in lieu of the Piano Class. MUSI-1181 Piano Class I, MUSI-1182 Piano Class II, MUSI-2181 Piano Class III, and MUSI-2182 Piano Class IV are designed to prepare students for the keyboard proficiency at the receiving university and may not apply to their major.

Voice AA in Music Degree

The TVCC music major must audition with faculty and be a music major. Students pursuing the AA in music degree must enroll in private lessons (MUAP) reflective of their major instrument.

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
MUSI-1311	Music Theory I	3
MUSI-1116	Sight Singing & Ear Training I	1
Major Applied Instrument (MUAP)		2
MUSI-1181	Piano Class I	1
MUEN-1141	Cardinal Singers	1
MUSI-0005	Recital Attendance Class	0
Hours		14
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
MUSI-1312	Music Theory II	3
MUSI-1117	Sight Singing & Ear Training II	1
Major Applied Instrument (MUAP)		2
MUSI-1182	Piano Class II	1
MUEN-1142	Cardinal Singers	1
MUSI-0005	Recital Attendance Class	0
Hours		14
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
MUSI-2311	Music Theory III	3
MUSI-2116	Sight Singing & Ear Training III	1
Major Applied Instrument (MUAP)		2
MUSI-2181	Piano Class III	1
MUEN-2141	Cardinal Singers	1
Core MATH		3
MUSI-0005	Recital Attendance Class	0
Hours		18
Term Four		
GOVT-2306	Texas Government	3
MUSI-2312	Music Theory IV	3
MUSI-2117	Sight Singing & Ear Training IV	1
Major Applied Instrument (MUAP)		2
MUSI-2182	Piano Class IV	1
MUEN-2142	Cardinal Singers	1
MUSI-1307	Music Literature	3
MUSI-0005	Recital Attendance Class	0
Hours		14
Total Hours		60

The listed courses transfer as a block in accordance with THECB Music Field of Study. **The receiving institution should be contacted upon admission to TVCC to guarantee all requirements.**

Music majors must enroll in Recital Attendance Class each fall and spring semester for a maximum of four semesters. See the course description for MUSI-0005 Recital Attendance Class for further information.

The piano major must study a secondary instrument or voice in lieu of the Piano Class. MUSI-1181 Piano Class I, MUSI-1182 Piano Class II, MUSI-2181 Piano Class III, MUSI-2182 Piano Class IV are designed to prepare students for the keyboard proficiency at the receiving university and may not apply to their major.

Music Pathway Courses

MUSI-0005. Recital Attendance Class. (0 Credits)

(0-0-0) This class provides the TVCC music major with critical experience in listening to performance literature. Attendance at department-sponsored recitals/concerts and outside performances is required; the number may vary from semester to semester.

MUSI-1116. Sight Singing & Ear Training I. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Singing tonal music in treble, bass, alto and tenor clefs. Aural study, including dictation, of rhythm, melody and diatonic harmony. Lab fee.

MUSI-1117. Sight Singing & Ear Training II. (1 Credit)

(1-0-3) This course is taken for academic credit. (Prerequisite: MUSI 1311 and 1116 with grades of C or higher) Students will earn an A, B, C, D, F, or W. Singing tonal music in treble, bass, alto and tenor clefs. Aural study, including dictation, of rhythm, melody and diatonic harmony. A continuation of MUSI 1116. Rhythmic dictation is included. Lab fee.

MUSI-1160. Italian Diction. (1 Credit)

(1-0-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the International Phonetic Alphabet (IPA) and its application to singing in Italian. Lab fee.

MUSI-1181. Piano Class I. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Class instruction in the fundamentals of keyboard technique for beginning piano students. Lab fee.

MUSI-1182. Piano Class II. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced beginning class instruction in the fundamentals of keyboard technique. Lab fee.

MUSI-1192. Guitar Class. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Class instruction in the fundamental techniques of playing guitar. Lab fee.

MUSI-1306. Music Appreciation. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. Does not apply to a music major degree. Attendance at one live musical event is required.

MUSI-1307. Music Literature. (3 Credits)

(3-2-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of the styles and forms of music as it developed from the middle ages to the present. This course will familiarize the student with cultural context, terminology, genres, and notation. Lab fee.

MUSI-1310. American Music. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock and contemporary art music.

MUSI-1311. Music Theory I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The study of analysis and writing of tonal melody and diatonic harmony, including fundamental music concepts, scales, intervals, chords, 7th chords, and early four-part writing. Analysis of small compositional forms. Optional correlated study at the keyboard.

MUSI-1312. Music Theory II. (3 Credits)

(3-3-0) This course is taken for academic credit. (Prerequisite: MUSI 1311 and 1116 with grades of C or higher) Students will earn an A, B, C, D, F, or W. The study of analysis and writing of tonal melody and diatonic harmony, including fundamental music concepts, scales, intervals, chords, 7th chords, and early four-part writing. Analysis of small compositional forms. Optional correlated study at the keyboard.

MUSI-2116. Sight Singing & Ear Training III. (1 Credit)

(1-0-3) This course is taken for academic credit. (Prerequisite: MUSI 1312 and 1117 with grades of C or higher) Students will earn an A, B, C, D, F, or W. Singing more difficult tonal music in various clefs, aural study including dictation of more complex rhythm, melody, chromatic harmony, and extended tertian structures. Lab fee.

MUSI-2117. Sight Singing & Ear Training IV. (1 Credit)

(1-0-3) This course is taken for academic credit. (Prerequisite: MUSI 2311 and 2116 with grades of C or higher) Students will earn an A, B, C, D, F, or W. Singing advanced tonal music and introduction of modal and post-tonal melodies. Aural study including dictation of advanced rhythm, melody, and harmony. Lab fee.

MUSI-2160. German Diction. (1 Credit)

(1-0-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the International Phonetic Alphabet (IPA) and its application to singing in German. Lab fee.

MUSI-2161. French Diction. (1 Credit)

(1-0-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the International Phonetic Alphabet (IPA) and its application to singing in French. Lab fee.

MUSI-2181. Piano Class III. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Intermediate class instruction of keyboard technique. Lab Fee. Lab fee.

MUSI-2182. Piano Class IV. (1 Credit)

(1-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced class instruction of keyboard technique. Lab fee.

MUSI-2311. Music Theory III. (3 Credits)

(3-3-0) This course is taken for academic credit. (Prerequisite: MUSI 1312 and 1117 with grades of C or higher) Students will earn an A, B, C, D, F, or W. Advanced harmony voice leading, score analysis and writing of more advanced tonal harmony including chromaticism and extended-tertian structures. Optional correlated study at the keyboard.

MUSI-2312. Music Theory IV. (3 Credits)

(3-3-0) This course is taken for academic credit. (Prerequisite: MUSI 2311 and 2116 with grades of C or higher) Students will earn an A, B, C, D, F, or W. Continuation of advanced chromaticism and survey of analytical and compositional procedures in post-tonal music. Optional correlated study at the keyboard.

Pre-Law

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Pre-Law provides a solid foundation to pursue a Bachelor's Degree. Pre-Law degrees usually take four years to complete and prepare students for entry-level careers in a variety of areas. In order to practice law, students must seek admission to law school and obtain a Juris Doctor (J.D.) degree.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Pre-Law AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Pre-Law provides a solid foundation to pursue a Bachelor's Degree. A Pre-Law degree usually takes four years to complete and prepares students for entry-level careers in a variety of areas. In order to practice law, students must seek admission to law school and obtain a Juris Doctor (J.D.) degree.

Law schools accept students with majors in all areas of undergraduate study. Applicants with such diverse majors as business, political science, criminal justice, psychology, biology, environmental science, and engineering, among others, are routinely accepted into law school.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 208)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
ECON-2301	Principles of Macroeconomics	3
Core MATH		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
SPCH-1315	Public Speaking	3
or SPCH-1321	or Business and Professional Communication	
Creative Arts		3
Social & Behavioral Science		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Suggested Pathway Elective		3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Pre-law Pathway Electives

Code	Title	Hours
BUSI-2301	Business Law	3
ECON-2302	Principles of Microeconomics	3
ENGL-2311	Technical & Business Writing (One Semester Course)	3
GEOG-1303	World Regional Geography	3
HIST-2311	Western Civilization I	3
HIST-2312	Western Civilization II	3
SPAN-1411	Beginning Spanish I	4

Contact your instructor or advisor to help determine the transferability of courses and college or university requirements.

Psychology

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Psychology provides a solid foundation to pursue a Bachelor's Degree in Psychology or related degree program. The psychology pathway follows the Texas Transfer Framework's Field of Study Curriculum, which includes discipline-relevant Texas Core Curriculum courses, Discipline Foundation courses, and Directed Elective courses that transfer and apply to the specific degree program. Please see an advisor for more information.

Potential career paths for students pursuing a Psychology degree include research, medical, business, and educational areas.

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- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Psychology AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Psychology provides a solid foundation to pursue a Bachelor's Degree in Psychology or related degree program. The psychology pathway follows the Texas Transfer Framework's Field of Study Curriculum, which includes discipline-relevant Texas Core Curriculum courses, Discipline Foundation courses, and Directed Elective courses that transfer and apply to the specific degree program.

Potential career paths for students pursuing a Psychology degree can be in the research, medical, business, or education area.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
PSYC-2301	General Psychology	3
MATH-1314	College Algebra	3
or MATH-1342	or Elementary Statistical Methods	
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
PSYC-2314	Lifespan Growth and Development	3
Creative Arts		3
PSYC-2319	Social Psychology	3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Component Area Option		3
PSYC-2320	Abnormal Psychology	3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
PSYC-2315	Psychology of Adjustment	3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Psychology Pathway Electives

Code	Title	Hours
PSYC-2317	Statistical Methods in Psychology <small>Prerequisite MATH-1314</small>	3
PSYC-2330	Biological Psychology	3
PSYC-2306	Human Sexuality	3
PSYC-2308	Child Psychology	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Psychology Pathway Courses

PSYC-1300. Learning Frameworks. (3 Credits)

(3-3-0) Core Area 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the (1) research and theory in the psychology of learning, cognition and motivation, (2) factors that impact learning, and (3) application of learning strategies. Theoretical models of strategic learning, cognition and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

PSYC-2289. Academic Coop. (2 Credits)

(2-1-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An instructional program designed to integrate on-campus study with practical hands-on experience in psychology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions.

PSYC-2301. General Psychology. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. General Psychology is a survey of the major psychological topics, theories, and approaches to the scientific study of behavior and mental processes. PSYC 2301 is a designated core course in the Psychology Field of Study Curriculum.

PSYC-2306. Human Sexuality. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives - biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. PSYC 2306 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see advisor for more information. (Cross-listed as SOCI 2306)

PSYC-2308. Child Psychology. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course will address psychological development from conception through middle childhood with references to physical, cognitive, social, and personality changes. Students will examine the interplay of biological factors, human interaction, social structures, and cultural forces in development. PSYC 2308 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

PSYC-2314. Lifespan Growth and Development. (3 Credits)

(3-3-0) Core Area 080. This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Life-span growth and Development is a study of social, emotional, cognitive, and physical factors and influences of a developing human from conception to death. PSYC 2314 is a discipline foundation course in the Psychology Field of Study Curriculum.

PSYC-2315. Psychology of Adjustment. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the processes involved in adjustment of individuals to their personal and social environments. PSYC 2315 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

PSYC-2317. Statistical Methods in Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course covers descriptive and inferential statistics used in psychological research and assessment. It includes measurement, characteristics of distributions, measures of central tendency and variability, transformed scores, correlation and regression, probability theory, and hypotheses testing and inference. PSYC 2317 is a discipline foundation course in the Psychology Field of Study Curriculum.

PSYC-2319. Social Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of individual behavior within the social environment. Topics may include sociopsychological processes, attitude formation and change, interpersonal relations, group processes, self, social cognition, and research methods. PSYC 2319 is a discipline foundation course in the Psychology Field of Study Curriculum. This course is cross-listed as SOCI 2326. The student may register for either PSYC 2319 or SOCI 2326 but may receive credit for only one of the two.

PSYC-2320. Abnormal Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course provides an introduction to the psychological, biological, and socio-cultural factors involved in the development, diagnosis, and treatment of psychological disorders. It includes a review of the historical understanding of abnormal behavior and the development of modern diagnostic systems. It includes discussions of psychological research and practice as it relates to mental health and psychological functioning, as well as legal and ethical issues. PSYC 2320 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

PSYC-2330. Biological Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the biological bases of behavior. Topics include evolution, genetics, research methods in behavioral neuroscience, motivation and emotion, sensation and perception, learning and memory, lifespan development, cognition, psychological disorders, and other complex behaviors. PSYC 2330 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

Sociology

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Sociology provides a solid foundation to pursue a Bachelor's Degree in Sociology or related degree program. The sociology pathway follows the Texas Transfer Framework's Field of Study Curriculum, which includes discipline-relevant Texas Core Curriculum courses, Discipline Foundation courses, and Directed Elective courses that transfer and apply to the specific degree program. Potential career paths for students pursuing a Sociology degree include labor relations specialists, sociologists, and climate change analysts.

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Some careers in this field will require a bachelor's degree.

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- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Sociology AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Sociology provides a solid foundation to pursue a Bachelor's Degree in Sociology or related degree program. The sociology pathway follows the Texas Transfer Framework's Field of Study Curriculum, which includes discipline-relevant Texas Core Curriculum courses, Discipline Foundation courses, and Directed Elective courses that transfer and apply to the specific degree program.

Potential career paths for students pursuing a Sociology degree include labor relations specialists, sociologists, and climate change analysts.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
SOCI-1301	Introduction to Sociology	3
MATH-1342	Elementary Statistical Methods	3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
SOCI-2319	Minority Studies	3
Creative Arts		3
SOCI-1306	Social Problems	3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
ENGL-2311	Technical & Business Writing (One Semester Course)	3
SOCI-2301	Marriage and the Family	3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
SOCI-2326	Social Psychology	3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Sociology Pathway Electives

Code	Title	Hours
SOCI-2336	Criminology	3
CRIJ-2301	Community Resources in Corrections	3
SOCI-2306	Human Sexuality	3
SOCI-2340	Drug Use and Abuse	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Sociology Pathway Courses

SOCI-1301. Introduction to Sociology. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. SOCI 1301 is a designated core course in the Sociology Field of Study Curriculum.

SOCI-1306. Social Problems. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Application of sociological principles and theoretical perspectives to major social problems in contemporary society such as inequality, crime and violence, substance abuse, environmental issues, deviance, or family problems. SOCI 1306 is a discipline foundation course in the Sociology Field of Study Curriculum.

SOCI-2289. Academic Coop. (2 Credits)

(2-1-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An instructional program designed to integrate on-campus study with practical hands-on experience in sociology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions.

SOCI-2301. Marriage and the Family. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society. SOCI 2301 is a discipline foundation course in the Sociology Field of Study Curriculum.

SOCI-2306. Human Sexuality. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives - biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. SOCI 2306 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information. (Cross-listed as PSYC 2306)

SOCI-2319. Minority Studies. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course studies minority-majority group relations, addressing their historical, cultural, social, economic, and institutional development in the United States. Both sociological and social psychological levels of analysis will be employed to discuss issues, including experiences of minority groups within the context of their cultural heritage and tradition, as well as that of the dominant culture. Core concepts to be examined include (but are not limited to) social inequality, dominance/subordination, prejudice, and discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion. SOCI 2319 is a discipline foundation course in the Sociology Field of Study Curriculum.

SOCI-2326. Social Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. SOCI 2326 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information. This course is cross-listed as PSYC 2319. The student may register for either SOCI 2326 or PSYC 2319 but may receive credit for only one of the two.

SOCI-2336. Criminology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The course surveys various theories of crime, with an emphasis on understanding the social causes of criminal behavior. The techniques for measuring crime as a social phenomenon and the characteristics of criminals are examined. This course addresses crime types (such as consensual or white-collar crimes), the criminal justice system, and other social responses to crime. SOCI 2336 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

SOCI-2340. Drug Use and Abuse. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the use and abuse of drugs in today's society. Emphasizes the physiological, sociological, and psychological factors. SOCI 2340 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information. This course is cross-listed as KINE 1346. The student may register for either SOCI 2340 or KINE 1346 but may receive credit for only one of the two.

Spanish

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Spanish provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a degree in foreign language include health science, education, intelligence, and journalism.

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- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Spanish AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Spanish provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a foreign language degree include health science, education, intelligence, and journalism.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
SPAN-1411	Beginning Spanish I	4
MATH-1314	College Algebra	3
Hours		16
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
SPAN-1412	Beginning Spanish II	4
Creative Arts		3
Social & Behavioral Science		3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
SPAN-2311	Intermediate Spanish I	3
Suggested Pathway Elective		3
Hours		13
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Component Area Requirement (CAO)		3
SPAN-2312	Intermediate Spanish II	3
Suggested Pathway Elective		2
Hours		15
Total Hours		60

Spanish Pathway Electives

Code	Title	Hours
GEOG-1303	World Regional Geography	3
HIST-2301	Texas History	3
HUMA-1301	Introduction to Humanities I	3
SPCH-1315	Public Speaking	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Spanish Pathway Courses

SPAN-1411. Beginning Spanish I. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Basic Spanish language skills in listening, speaking, reading and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level. Lab fee.

SPAN-1412. Beginning Spanish II. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Continued development of basic Spanish language skills in listening, speaking, reading and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level. Lab fee.

SPAN-2311. Intermediate Spanish I. (3 Credits)

(3-2-3) Core Area 040 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation and interpretation of the cultures of the Spanish-speaking world. Lab fee.

SPAN-2312. Intermediate Spanish II. (3 Credits)

(3-2-3) Core Area 040 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation and interpretation of the cultures of the Spanish-speaking world. Lab fee.

Business and Technology Pathway

- Accounting
- Administrative and Secretarial Services
- Agriculture
- Business Administration and Management
- Computer Science
- Court Reporting
- Drafting and Design
- Economics
- Legal Assistant Technology
- Court Reporting

Accounting

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Accounting provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an Accounting degree include accountant, financial analyst, financial examiner, auditor, and bookkeeper.

- Accounting AA Degree, Liberal Arts Major (p. 283)
- Accounting AAS Degree (p. 285)
- Accounting Certificate (p. 287)
- Accounting Quickbooks OSA (p. 288)

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Some careers in this field will require a bachelor's degree.

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- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Accounting AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Accounting provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an Accounting degree include accountant, financial analyst, financial examiner, auditor, and bookkeeper.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
Life & Physical Science		4
Select one of the following:		3
MATH-1314	College Algebra	
MATH-1324	Mathematics for Business & Social Sciences	
Hours		16
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Life & Physical Science		4
Creative Arts		3
Language, Philosophy, & Culture		3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
ACCT-2401	Principles of Financial Accounting	4
ECON-2301	Principles of Macroeconomics	3
BCIS-1305	Business Computer Applications	3
Hours		13
Term Four		
GOVT-2306	Texas Government	3
ACCT-2402	Principles of Managerial Accounting	4
ECON-2302	Principles of Microeconomics	3
SPCH-1321	Business and Professional Communication	3
Suggested Pathway Elective		2
Hours		15
Total Hours		60

Accounting Pathway Electives

Code	Title	Hours
BUSI-1301	Business Principle	3
BUSI-2301	Business Law	3
ENGL-2311	Technical & Business Writing (One Semester Course)	3
MATH-1325	Calculus for Business and Social Sciences	3
MATH-1342	Elementary Statistical Methods	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Accounting AAS Degree

Accountants and auditors prepare and examine financial records. They ensure that financial records are accurate and that taxes are paid properly and on time. Accountants and auditors assess financial operations and work to help ensure that organizations run efficiently. They must have basic math and computer skills, including knowledge of spreadsheets and bookkeeping software.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required
- Capstone course: ACNT-1313 Computerized Accounting Applications

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		3
ENGL-2322	British Literature I	
ENGL-2323	British Literature II	
ENGL-2327	American Literature I	
ENGL-2328	American Literature II	
ENGL-2332	World Literature I	
ENGL-2333	World Literature II	
PHIL-1301	Introduction to Philosophy	
PHIL-2306	Introduction to Ethics	
HUMA-1301	Introduction to Humanities I	
SPAN-2311	Intermediate Spanish I	
SPAN-2312	Intermediate Spanish II	
ARTS-1301	Art Appreciation	
ARTS-1303	Art History I (prehistoric to the 14th Century)	
ARTS-1304	Art History II (14th Century to Present)	
ARTS-1313	Foundations of Art	
DRAM-1310	Theater Appreciation	
DRAM-2366	Film Appreciation	
MUSI-1306	Music Appreciation	
MUSI-1307	Music Literature	
MUSI-1310	American Music	

Social/Behav. Science		
ECON-2301	Principles of Macroeconomics	3
or ECON-2302	or Principles of Microeconomics	
COAE		
EDUC-1300	Learning Framework	3
or PSYC-1300	or Learning Frameworks	
Hours		15
Term One		
BMGT-1341	Business Ethics	3
HRPO-2307	Organizational Behavior	3
or ACNT-1303	or Introduction to Accounting I	
POFT-1127	Introduction to Keyboarding	1
BCIS-1305	Business Computer Applications	3
Hours		10
Term Two		
BUSG-1301	Introduction to Business	3
or BUSI-1301	or Business Principle	
POFT-1301	Business English	3
ACCT-2401	Principles of Financial Accounting	4
ITSW-1304	Introduction to Spreadsheets	3
Hours		13
Term Three		
ACNT-1311	Introduction to Computerized Accounting	3
ACCT-2402	Principles of Managerial Accounting	4
HRPO-2301	Human Resources Management	3
or BUSG-1304	or Financial Literacy	
Hours		10
Term Four		
BUSI-2301	Business Law	3
ACNT-1329	Payroll & Business Tax Accounting	3
ACNT-1313	Computerized Accounting Applications (Capstone)	3
ACNT-1331	Federal Income Tax	3
or ACNT-2382	or Coop Education, Accounting Technology/Technician and Bookkeeping	
Hours		12
Total Hours		60

Accounting Certificate

The Accounting Certificate is designed to provide students with the knowledge and skills necessary for employment and growth in the accounting profession.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required

This program leads to the Accounting AAS degree.

Course	Title	Hours
Term One		
ACNT-1303	Introduction to Accounting I	3
BCIS-1305	Business Computer Applications	3
ACNT-1311	Introduction to Computerized Accounting	3
POFT-1301	Business English	3
Hours		12
Term Two		
ACCT-2401	Principles of Financial Accounting	4
ACNT-1329	Payroll & Business Tax Accounting	3
BUSG-1301 or BUSI-1301	Introduction to Business or Business Principle	3
POFT-1321	Business Math	3
Hours		13
Term Three		
ACNT-1313	Computerized Accounting Applications (Capstone)	3
ACNT-1331 or ACNT-2382	Federal Income Tax or Coop Education, Accounting Technology/Technician and Bookkeeping	3
ITSW-1304	Introduction to Spreadsheets	3
BUSI-2301	Business Law	3
Hours		12
Total Hours		37

Accounting Quickbooks OSA

Students successfully completing the accounting OSA will be eligible to take the Intuit QuickBooks Certified User certification exam.

For more information, please contact the Accounting Program Coordinator for details.

- Degree Type: None awarded
- All required courses available online
- TSI (p. 48): not required

Occupational skills awards (OSA) are locally approved sequences of credit courses designed to provide entry-level employment skills or industry certifications in an abbreviated timeframe.

This program leads to the Accounting Certificate.

Course	Title	Hours
Term One		
ACNT-1303	Introduction to Accounting I	3
ACCT-2401	Principles of Financial Accounting	4
ACNT-1313	Computerized Accounting Applications (Capstone)	3
ITSW-1304	Introduction to Spreadsheets	3
Hours		13
Total Hours		13

Accounting Pathway Courses

ACCT-2401. Principles of Financial Accounting. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Lab fee.

ACCT-2402. Principles of Managerial Accounting. (4 Credits)

(4-3-3) This course is taken for academic credit. (Prerequisite: ACCT 2401) Students will earn an A, B, C, D, F, or W. This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation. Lab fee.

ACNT-1303. Introduction to Accounting I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll.

ACNT-1311. Introduction to Computerized Accounting. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to utilizing the computer in maintaining accounting records with primary emphasis on a general ledger package.

ACNT-1329. Payroll & Business Tax Accounting. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of payroll procedures, taxing entities, and reporting requirements of local, state, and federal taxing authorities in a manual and computerized environment. Develop personnel and payroll records that provide the information required under current laws and process payroll data and tax data and prepare reports.

ACNT-1331. Federal Income Tax. (3 Credits)

(3-0-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of accounting information systems and related subsystems, including data collection, security, retrieval, manipulation, filtering and sorting of data.

ACNT-2382. Coop Education, Accounting Technology/Technician and Bookkeeping. (3 Credits)

(3-1-20) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Lab fee.

BUSG-1301. Introduction to Business. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental business principles including structure, functions, resources, and operational processes.

BUSI-1301. Business Principle. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

BUSI-2301. Business Law. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

HRPO-2301. Human Resources Management. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Behavioral and legal approaches to the management of human resources in organizations.

HRPO-2307. Organizational Behavior. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The analysis and application of organizational theory, group dynamics, motivation theory, leadership concepts, and the integration of interdisciplinary concepts from the behavioral sciences.

ITSW-1304. Introduction to Spreadsheets. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the concepts, procedures, and application of electronic spreadsheets. Lab fee.

POFT-1127. Introduction to Keyboarding. (1 Credit)

(3-0-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Skill development in keyboarding techniques. Emphasis on the development of speed and accuracy. Lab fee.

POFT-1301. Business English. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.

POFT-1321. Business Math. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of business mathematics including analytical and critical thinking skills.

Accounting Occupational Outlook

What Accountants and Auditors DO

Accountants and auditors prepare and examine financial records. They ensure that financial records are accurate and that taxes are paid properly and on time. Accountants and auditors assess financial operations and work to help ensure that organizations run efficiently.

Duties

Accountants and auditors typically do the following:

- Examine financial statements to ensure that they are accurate and comply with laws and regulations
- Compute taxes owed, prepare tax returns, and ensure that taxes are paid properly and on time
- Inspect account books and accounting systems for efficiency and use of accepted accounting procedures
- Organize and maintain financial records
- Assess financial operations and make best-practices recommendations to management
- Suggest ways to reduce costs, enhance revenues, and improve profits

In addition to examining and preparing financial documentation, accountants and auditors must explain their findings. This includes preparing written reports and meeting face-to-face with organization managers and individual clients.

Many accountants and auditors specialize, depending on the particular organization that they work for. Some work for organizations that specialize in assurance services (improving the quality or context of information for decision-makers) or risk management (determining the probability of a misstatement on financial documentation). Other organizations specialize in specific industries, such as healthcare.

The following are examples of types of accountants and auditors:

Public accountants perform a broad range of accounting, auditing, tax, and consulting tasks. Their clients include corporations, governments, and individuals.

Public accountants work with financial documents that clients are required by law to disclose. These include tax forms and balance sheet statements that corporations must provide to potential investors. For example, some public accountants concentrate on tax matters, advising corporations about the tax advantages of certain business decisions or preparing individual income tax returns.

Public accountants, many of whom are Certified Public Accountants (CPAs), generally have their own businesses or work for public accounting firms. Publicly traded companies are required to have CPAs sign documents they submit to the Securities and Exchange Commission (SEC), including annual and quarterly reports.

Some public accountants specialize in forensic accounting, investigating financial crimes such as securities fraud and embezzlement, bankruptcies and contract disputes, and other complex and potentially criminal financial transactions. Forensic accountants combine their knowledge of accounting and finance with law and investigative techniques to determine if an activity is illegal. Many forensic accountants work closely with law enforcement personnel and lawyers during investigations and often appear as expert witnesses during trials.

Management accountants, also called *cost, managerial, industrial, corporate, or private accountants*, record and analyze the financial information of the organizations for which they work. The information that management accountants prepare is intended for internal use by business managers, not by the general public.

Management accountants often work on budgeting and performance evaluation. They also may help organizations plan the cost of doing business. Some may work with financial managers on asset management, which involves planning and selecting financial investments such as stocks, bonds, and real estate.

Government accountants maintain and examine the records of government agencies and audit private businesses and individuals whose activities are subject to government regulations or taxation. Accountants employed by federal, state, and local governments ensure that revenues are received and spent in accordance with laws and regulations.

Internal auditors check for mismanagement of an organization's funds. They identify ways to improve the processes for finding and eliminating waste and fraud. The practice of internal auditing is not regulated, but The Institute of Internal Auditors (IIA) provides generally accepted standards.

External auditors perform similar duties to internal auditors but are employed by an outside organization, rather than the one they are auditing. They review clients' financial statements and inform investors and authorities that the statements have been correctly prepared and reported.

Information technology auditors are internal auditors who review controls for their organization's computer systems to ensure that the financial data comes from a reliable source.

SUMMARY

- Accountants and auditors
- 2022 Median Pay: \$78,000 per year or \$37.50 per hour
- Typical Entry-Level Education: Bachelor's degree
- Work Experience in Related Occupation: None
- On-the-job training: None
- Number of Jobs, 2022: 1,538,400
- Employment Change: 2022-32; 67,400

Work Environment

Most accountants and auditors work full-time. Some work more than 40 hours per week. Overtime hours are typical at certain times of the year, such as at the end of the budget year or during tax season.

How To Become An Accountant Or Auditor

Most employers require a candidate to have a bachelor's degree in accounting or a related field. Certification within a specific field of accounting improves job prospects. For example, many accountants become Certified Public Accountants (CPAs).

Pay

The median annual wage for accountants and auditors was \$77,250 in May 2021.

Job Outlook

Employment of accountants and auditors is projected to grow 6 percent from 2021 to 2031, about as fast as the average for all occupations. About 136,400 openings for accountants and auditors are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for accountants and auditors.

Similar Occupations

Compare the job duties, education, job growth, and pay of accountants and auditors with similar occupations.

More Information, Including Links To O*NET

Learn more about accountants and auditors by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Accountants and Auditors, on the Internet at <https://www.bls.gov/ooh/business-and-financial/accountants-and-auditors.htm>.

Administrative and Secretarial Services

Executive assistants and senior administrative assistants provide high-level support by managing software training and orientation for new staff, conducting online research, booking travel, and securing needed information on the Internet, planning meetings to include negotiating hotel contacts, scheduling, catering, and preparing for cyber- and video-conferencing using desktop publishing to produce brochures, fliers, annual reports, Web design, and postings. They may also be expected to prepare statistical reports, handle information requests, and negotiate with clients and vendors.

- Business & Office Administration - General Business AAS Degree (p. 296)
- Business Technology Certificate (p. 298)
- Office Technology AAS Degree (p. 299)
- Office Technology Certificate (p. 301)
- Administration Technology Applications OSA (p. 302)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Business & Office Administration - General Business AAS Degree

Executive assistants and senior administrative assistants provide high-level support by managing software training and orientation for new staff, conducting online research, booking travel and securing needed information on the Internet, planning meetings to include negotiating hotel contracts, scheduling, catering, and preparing for cyber- and video-conferencing, using desktop publishing to produce brochures, fliers, annual reports, Web design and postings. They may also be expected to prepare statistical reports, handle information requests, and negotiate with clients and vendors.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required
- Capstone course: POFT-2312 Business Correspondence and Communication

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		3
ECON-2301 or ECON-2302	Principles of Macroeconomics or Principles of Microeconomics	3
EDUC-1300	Learning Framework	3
Hours		15
Term One		
POFT-1429 or POFT-2401	Beginning Keyboarding or Intermediate Keyboarding	4
ACNT-1303	Introduction to Accounting I	3
BUSG-1304	Financial Literacy	3
POFI-2301	Word Processing	3
Hours		13
Term Two		
BCIS-1305	Business Computer Applications	3
BUSG-1301 or BUSI-1301	Introduction to Business or Business Principle	3
BMGT-1341	Business Ethics	3
POFT-1301	Business English	3
Hours		12
Term Three		
BMGT-1309	Information and Project Mgt	3
ACCT-2401	Principles of Financial Accounting	4
HRPO-2307 or BMGT-1327	Organizational Behavior or Principles of Management	3
Hours		10
Term Four		
ACCT-2402	Principles of Managerial Accounting	4
BUSI-2301	Business Law	3
POFT-2312 or BUSG-2381	Business Correspondence and Communication (Capstone) or Cooperative Education: Business/Commerce	3
Hours		10
Total Hours		60

Business Technology Certificate

The Business Technology Certificate is designed to provide students with the knowledge and the skills necessary for running and operating an office using a variety of technology support..

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required

This program leads to the General Business AAS degree.

Course	Title	Hours
Term One		
BCIS-1305	Business Computer Applications	3
BUSG-2309	Small Business Management	3
BUSG-1301	Introduction to Business	3
or BUSI-1301	or Business Principle	
ITSW-1304	Introduction to Spreadsheets	3
POFI-2301	Word Processing	3
POFT-2312	Business Correspondence and Communication (Capstone)	3
Hours		18
Total Hours		18

Office Technology AAS Degree

Working in an office requires a wide variety of skills including project management, computer applications, organization, scheduling, communications, research, filing and electronic recordkeeping, customer service, and event planning. Many opportunities await those professionals who master technology, use their interpersonal and communication skills effectively, possess the ability to track and organize and be creative in solving problems, and show a willingness to learn, grow, and accept new challenges.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required
- Capstone course: BMGT-1309 Information and Project Mgt

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

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Course	Title	Hours
Term One		
EDUC/PSYC-1300	Learning Framework	3
ACNT-1303	Introduction to Accounting I	3
ITSW-1304	Introduction to Spreadsheets	3
POFT-1429	Beginning Keyboarding	4
or POFT-2401	or Intermediate Keyboarding	
BMGT-1325	Office Management	3
Hours		16
Term Two		
POFI-2301	Word Processing	3
BUSG-1301	Introduction to Business	3
or BUSI-1301	or Business Principle	
BCIS-1305	Business Computer Applications	3
ECON-2301	Principles of Macroeconomics	3
or ECON-2302	or Principles of Microeconomics	
POFT-1301	Business English	3
Hours		15
Term Three		
ENGL-1301	Composition I	3
HRPO-2307	Organizational Behavior	3
BMGT-1341	Business Ethics	3
Lang, Phil, & Culture/Creative Arts		3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
POFI-2340	Advanced Word Processing	3
Hours		18
Term Four		
BUSG-1304	Financial Literacy	3
POFT-2312	Business Correspondence and Communication	3
or BUSG-2381	or Cooperative Education: Business/Commerce	
BMGT-1309	Information and Project Mgt (Capstone)	3
POFT-1220	Job Search Skills	2
Hours		11
Total Hours		60

Office Technology Certificate

The Office Technology Certificate is designed to provide students with the knowledge and the skills for employment and growth in a professional office.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required

This program leads to the Office Technology AAS degree

Course	Title	Hours
Term One		
Select one of the following		4
POFT-1429	Beginning Keyboarding	
POFT-2401	Intermediate Keyboarding	
POFT-1301	Business English	3
POFI-2301	Word Processing	3
BCIS-1305	Business Computer Applications	3
ACNT-1303	Introduction to Accounting I	3
Hours		16
Term Two		
POFT-2312	Business Correspondence and Communication	3
POFT-1321	Business Math	3
BMGT-1309	Information and Project Mgt	3
POFI-2340	Advanced Word Processing	3
BUSG-1304	Financial Literacy	3
ITSW 1304	Introduction to Spreadsheets	3
	Hours	18
	Total Hours	34

Administration Technology Applications OSA

Occupational skills achievement (OSA) awards are locally approved sequences of credit courses designed to provide entry-level employment skills or industry certifications in an abbreviated timeframe.

- Degree Type: None awarded
- All required courses available online
- TSI (p. 48): not required

Students successfully completing the Office Technology Applications OSA will be eligible to take the following certification exams:

- **Microsoft Word**
- **Microsoft Excel**

See the Office Technology Program Coordinator for details.

This program leads to the Office Technology Certificate.

Course	Title	Hours
Term One		
POFT-1301	Business English	3
POFI-2301	Word Processing	3
BMGT-1309	Information and Project Mgt (capstone)	3
ITSW-1304	Introduction to Spreadsheets	3
Hours		12
Total Hours		12

Administrative and Secretarial Services Pathway Courses

BCIS-1305. Business Computer Applications. (3 Credits)

(3-2-4) CORE AREA 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Lab fee.

BMGT-1325. Office Management. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Systems, procedures, and practices related to organizing and planning office work, supervising employee performance, and exercising leadership skills.

BMGT-1341. Business Ethics. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Discussion of ethical issues, the development of a moral frame of reference, and the need for an awareness of social responsibility in management practices and business activities. Includes ethical corporate responsibility.

BUSG-2309. Small Business Management. (3 Credits)

(3-3-0) Starting, operating, and growing a small business. Includes essential management skills, how to prepare a business plan, accounting, financial needs, staffing, marketing strategies, and legal issues.

BUSG-1301. Introduction to Business. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental business principles including structure, functions, resources, and operational processes.

BUSI-1301. Business Principle. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

BUSI-2301. Business Law. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

HRPO-2307. Organizational Behavior. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The analysis and application of organizational theory, group dynamics, motivation theory, leadership concepts, and the integration of interdisciplinary concepts from the behavioral sciences.

ITSW-1304. Introduction to Spreadsheets. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the concepts, procedures, and application of electronic spreadsheets. Lab fee.

POFI-2301. Word Processing. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Word processing software focusing on business applications. Lab fee.

POFI-2331. Desktop Publishing. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. In-depth coverage of desktop publishing terminology, text editing, and use of design principles. Emphasis on layout techniques, graphics, multiple page displays, and business applications. Lab fee.

POFI-2340. Advanced Word Processing. (3 Credits)

(3-2-4) This course is taken for academic credit. (Prerequisite POFI 2301) Students will earn an A, B, C, D, F, or W. Advanced word processing techniques using merging, macros, graphics, and desktop publishing. Includes extensive formatting for technical documents. Lab fee.

POFT-1220. Job Search Skills. (2 Credits)

(2-2-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in medical office procedures to familiarize the Medical/Nursing Assistant student with the basic operations/concepts/skills of the medical front office. This course emphasizes the interaction between assistant working to assist the physician or other medical professional and the business operations of the medical facility. This course includes fundamentals of: appointment scheduling, documents and maintain medical records, patient communications, third party reimbursement, an introduction to electronic medical record systems and practices, and introduction into applying governmental health care guidelines. Emphasis is on customer service and accuracy. Computer/web access required. Lab Fee.

POFT-1301. Business English. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.

POFT-1309. Administrative Office Procedures I. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of current office procedures, duties, and responsibilities applicable to an office environment. Lab fee.

POFT-1321. Business Math. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of business mathematics including analytical and critical thinking skills.

POFT-1429. Beginning Keyboarding. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Skill development in keyboarding techniques. Emphasis on development of acceptable speed and accuracy levels and formatting basic documents. Lab fee.

POFT-2312. Business Correspondence and Communication. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Development of writing and presentation skills to produce effective business communications.

POFT-2401. Intermediate Keyboarding. (4 Credits)

(4-2-4) This course is taken for academic credit. (Prerequisite POFT 1429) Students will earn an A, B, C, D, F, or W. A continuation of keyboarding skills emphasizing acceptable speed and accuracy levels and formatting documents. Lab fee.

Administrative and Secretarial Services Occupational Outlook

What Secretaries and Administrative Assistants Do

Secretaries and administrative assistants perform routine clerical and administrative duties. They organize files, prepare documents, schedule appointments, and support other staff.

Duties

Secretaries and administrative assistants typically do the following:

- Answer telephones and take messages or transfer calls
- Schedule appointments and update event calendars
- Arrange staff meetings
- Handle incoming and outgoing mail and faxes
- Prepare memos, invoices, or other reports
- Edit documents
- Maintain databases and filing systems, whether electronic or paper
- Perform basic bookkeeping

Secretaries and administrative assistants perform a variety of clerical and administrative duties that are necessary to run an organization efficiently. They use computer software to create spreadsheets; manage databases; and prepare presentations, reports, and documents. They also may negotiate with vendors, buy supplies, and manage stockrooms or corporate libraries. Secretaries and administrative assistants also use videoconferencing, fax, and other office equipment. Specific job duties vary by experience, job title, and specialty.

The following are examples of types of secretaries and administrative assistants:

Executive secretaries and executive administrative assistants provide high-level administrative support for an office and for top executives of an organization. They often handle more complex responsibilities, such as reviewing incoming documents, conducting research, and preparing reports. Some also supervise clerical staff.

Legal secretaries perform work requiring knowledge of legal terminology and procedures. They prepare legal documents, such as summonses, complaints, motions, and subpoenas under the supervision of an attorney or a paralegal. They also review legal journals and help with legal research—for example, by verifying quotes and citations in legal briefs.

Medical secretaries transcribe dictation and prepare reports or articles for physicians or medical scientists. They also take simple medical histories of patients, arrange for patients to be hospitalized, or process insurance payments. Medical secretaries need to be familiar with medical terminology and codes, medical records, and hospital or laboratory procedures.

Secretaries and administrative assistants, except legal, medical, and executive form the largest subcategory of secretaries and administrative assistants. They handle an office's administrative activities in almost every sector of the economy, including schools, government, and private corporations. For example, secretaries in schools are often

responsible for handling most of the communications among parents, students, the community, teachers, and school administrators. They schedule appointments, receive visitors, and keep track of students' records.

SUMMARY

- 2022 Median Pay \$44,080 per year
- \$21.19 per hour
- Typical Entry-Level Education High school diploma or equivalent
- Work Experience in a Related Occupation See How to Become One
- On-the-job Training See How to Become One
- Number of Jobs, 2022 3,399,200
- Job Outlook, 2022-32 -10% (Decline)
- Employment Change, 2022-32 -332,600

Work Environment

Although secretaries and administrative assistants work in nearly every industry, many are employed in schools, hospitals, and government, legal, and medical offices. Most work full-time.

How to Become a Secretary or Administrative Assistant

High school graduates who have experience using computer software applications usually qualify for entry-level positions. Although most secretaries learn their job in several weeks, many legal and medical secretaries require additional training to learn industry-specific terminology. Executive secretaries usually need several years of related work experience.

Pay

The median annual wage for secretaries and administrative assistants was \$39,680 in May 2021.

Job Outlook

Employment of secretaries and administrative assistants is projected to decline by 8 percent from 2021-2031. Most job openings will result from the need to replace workers who leave the occupation.

State & Area Data

Explore resources for employment and wages by state and area for secretaries and administrative assistants.

Similar Occupations

Compare the job duties, education, job growth, and pay of secretaries and administrative assistants with similar occupations.

More Information, Including Links to O*NET Learn more about secretaries and administrative assistants by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Secretaries and Administrative Assistants, at <https://www.bls.gov/ooh/office-and-administrative-support/secretaries-and-administrative-assistants.htm> (visited *March 16, 2023*).

Agriculture

The agriculture program at Trinity Valley Community College provides students with a solid background in cutting edge technologies and traditional management strategies to provide leadership for the agriculture industry of the future. The combination of progressive instruction with applied labs on our working ranch delivers an exceptional educational experience that provides our graduates with a competitive edge above their peers in the marketplace.

For those students who wish to complete a transfer degree in agriculture with a different emphasis such as agricultural business or animal science, etc., please consult with a faculty member/advisor in the Agriculture Department prior to registration. Potential career paths for students pursuing an Agriculture degree can be in the nursery/greenhouse management, farm/ranch management, animal scientists, agricultural inspection, or agricultural education area.

- Agriculture AA Degree, Liberal Arts Major (p. 309)
- Ranch Management AAS Degree (p. 311)
- Ranch Management Certificate (p. 314)
- Beef Cattle Manager Certificate (p. 316)
- Ranch and Feedyard Operations Certificate (p. 317)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Agriculture AA Degree, Liberal Arts Major

The agriculture program at Trinity Valley Community College provides students with a solid background in cutting-edge technologies and traditional management strategies to provide leadership for the agriculture industry of the future. The combination of progressive instruction with applied labs on our working ranch delivers an exceptional educational experience that provides our graduates with a competitive edge above their peers in the marketplace.

For those students who wish to complete a transfer degree in agriculture with a different emphasis, such as agricultural business or animal science, etc., please consult with a faculty member/advisor in the Agriculture Department prior to registration.

Potential career paths for students pursuing an Agriculture degree can be in nursery/greenhouse management, farm/ranch management, animal science, agricultural inspection, or agricultural education area.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses available online except Agriculture
- TSI (p. 48): required

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Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
AGRI-1419	Introductory Animal Science	4
AGRI-1131	The Agricultural Industry	1
Hours		14
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
AGRI-2321	Livestock Evaluation	3
MATH-1314	College Algebra	3
AGRI-1325	Marketing of Agricultural Products	3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
AGRI-1407	Agronomy	4
BCIS-1305	Business Computer Applications	3
Language, Philosophy, & Culture		3
AGRI-2303	Agricultural Construction	3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
AGRI-2330	Wildlife Conservation and Management	3
AGRI-2317	Introduction to Agricultural Economics	3
AGRI-2301	Agricultural Power Units	3
Creative Arts		3
Hours		15
Total Hours		60

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Ranch Management AAS Degree

Ranch managers maintain the quality of ranches, farms, crops and livestock by operating and repairing machinery and doing physical labor. The program combines theory with practical skills needed for daily ranch operations. Students will learn the foundations of farm business and animal science as well as have hands-on experience working with ranch animals.

This degree is designed for students wishing to directly enter the workforce.

- Degree Type: AAS
- Not all required courses available online
- TSI (p. 48): required
- Capstone course: AGMG-2280 Coop Education, Agriculture Business And Management or AGRI/AGCR/AGAH/AGEQ Elective

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		
ENGL-2322	British Literature I	3
or ENGL-2323 or	or British Literature II	
ENGL-2327 or	or American Literature I	
ENGL-2328 or	or American Literature II	
ENGL-2332 or	or World Literature I	
ENGL-2333 or	or World Literature II	
PHIL-1301 or	or Introduction to Philosophy	
PHIL-2306 or	or Introduction to Ethics	
HUMA-1301 or	or Introduction to Humanities I	
SPAN-2311 or	or Intermediate Spanish I	
SPAN-2312 or	or Intermediate Spanish II or	
ARTS-1301 or	Art Appreciation	
ARTS-1303 or	or Art History I	
ARTS-1304 or	or Art History II (14th Century to Present)	
ARTS-1313	or Foundations of Art	

or DRAM-1310 or DRAM-2366 or MUSI-1306 or MUSI-1307 or MUSI-1310	or Theater Appreciation or Film Appreciation or Music Appreciation or Music Literature or American Music	
Social/Behav. Science		
HIST-1301 or HIST-1302 or GOVT-2305 or GOVT-2306 or ECON-2301 or ECON-2302 or PSYC-2301 or PSYC-2314 or SOCI-1301 or SOCI-1306 or SOCI-2301 or AGRI-2317	United States History I or United States History II or Federal Government Constitution or Texas Government or Principles of Macroeconomics or Principles of Microeconomics or General Psychology or Lifespan Growth and Development or Introduction to Sociology or Social Problems or Marriage and the Family or Introduction to Agricultural Economics	3
COAE		
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
AGRI-1419/AGAH-1401	Introductory Animal Science	4
AGAH-2313	Principles of Feeds and Feeding	3
AGRI-1325	Marketing of Agricultural Products	3
AGRI-1131	The Agricultural Industry	1
Hours		11
Term Two		
AGRI-2321	Livestock Evaluation	3
AGRI-2330	Wildlife Conservation and Management	3
AGCR-1341	Forage and Pasture Management and Utilization	3
BCIS-1305	Business Computer Applications	3
Hours		12
Term Three		
AGRI-1407	Agronomy	4
AGAH-1447	Animal Reproduction	4
AGRI-2303	Agricultural Construction	3
Hours		11

Term Four

AGRI-2317	Introduction to Agricultural Economics	3
AGAH-1353	Beef Cattle Production	3
AGRI-2301	Agricultural Power Units	3
AGMG-2280	Coop Education, Agriculture Business And Management (Capstone)	2
or AGRI/AGCR/AGAH/AGEQ Elective		
Hours		11
Total Hours		60

Ranch Management Electives

Code	Title	Hours
AGEQ-1411	Equine Science I	4
AGCR-2305	Entomology	3
AGEQ-1319	Western Horsemanship I (for rodeo team members only)	3
AGEQ-2339	Western Horsemanship II (for rodeo team members only)	3

Ranch Management Certificate

The Ranch Management Certificate is designed to provide students with the knowledge and the skills necessary for employment and growth as a ranch manager or ranch hand.

The curriculum offers ecologically and economically responsible business training to students interested in the agriculture business. Classroom instruction and discussion coupled with fieldwork observation culminate in the student implementing this knowledge in real-world projects reflecting agricultural asset management.

- Degree Type: Certificate
- Courses are not available online
- TSI (p. 48): not required

- Capstone course: AGMG-2280 Coop Education, Agriculture Business And Management

This program also leads to the Ranch Management AAS degree.

Course	Title	Hours
Term One		
AGRI-1419/AGAH-1401	Introductory Animal Science	4
AGRI-1407	Agronomy	4
AGAH-1447	Animal Reproduction	4
Hours		12
Term Two		
AGRI-2330	Wildlife Conservation and Management	3
AGCR-1341	Forage and Pasture Management and Utilization	3
AGAH-1353	Beef Cattle Production	3
AGRI-2321	Livestock Evaluation	3
AGRI-2301	Agricultural Power Units	3
Hours		15
Term Three		
AGAH-2313	Principles of Feeds and Feeding	3
AGRI-2303	Agricultural Construction	3
AGRI-1131	The Agricultural Industry	1
AGRI/AGCR/AGAH/AGEQ Elective		3-4
Select One of the Following		2
AGMG-2280	Coop Education, Agriculture Business And Management (Capstone)	
AGRI/AGCR/AGAH/AGEQ Elective		
Hours		12-13
Total Hours		39-40

Ranch Management Electives

Code	Title	Hours
AGCR-2305	Entomology	3
AGRI-1325	Marketing of Agricultural Products	3
AGRI-2317	Introduction to Agricultural Economics	3
AGEQ-1411	Equine Science I	4
AGEQ-1319	Western Horsemanship I	3
AGEQ-2339	Western Horsemanship II	3

Beef Cattle Manager Certificate

The Beef Cattle Manager Certificate is designed to provide students with the knowledge and the skills necessary for employment and growth in the beef cattle industry. Students that complete the certificate will have the background to identify and address challenges in modern beef cattle production enterprises.

- Degree Type: Certificate
- Courses are not available online
- TSI (p. 48): not required
- Capstone course: AGRI-2321 Livestock Evaluation

This program is NOT designed to transfer.

This program also leads to the Ranch Management Certificate.

Course	Title	Hours
Term One		
AGRI-1419/AGAH-1401	Introductory Animal Science	4
AGRI-1325 or AGRI-2317	Marketing of Agricultural Products or Introduction to Agricultural Economics	3
AGRI-1407 or AGCR-1341	Agronomy or Forage and Pasture Management and Utilization	4 or 3
Hours		11-10
Term Two		
AGRI-1131	The Agricultural Industry	1
AGRI-2321	Livestock Evaluation (Capstone)	3
AGAH-1447 or AGRI-2301	Animal Reproduction or Agricultural Power Units	4 or 3
Hours		8-7
Total Hours		19-17

Ranch and Feedyard Operations Certificate

The Ranch and Feedyard Operations certificate will target both career paths related to the Texas Cattle Feeders Association (TCFA) Feedyard Technician Program – 1) Cattle Handling and Care & 2) Machinery Operations, Maintenance and Repair.

- Degree Type: Certificate
- Not all required courses available online
- TSI (p. 48): not required

Course	Title	Hours
Term One		
AGAH-1401 or AGRI-1419	Animal Science or Introductory Animal Science	4
AGAH-2313	Principles of Feeds and Feeding	3
Hours		7
Term Two		
AGRI-2321	Livestock Evaluation	3
AGAH-1353	Beef Cattle Production	3
AGRI-2301	Agricultural Power Units	3
AGMG-2280	Coop Education, Agriculture Business And Management (OR AGRI/ AGCR/AGAH/AGEQ elective (Capstone))	2
Hours		11
Total Hours		18

Agriculture Pathway Courses

AGAH-1447. Animal Reproduction. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of organs, functions, endocrinology, and common management practices related to reproduction.. Lab fee.

AGAH-2313. Principles of Feeds and Feeding. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the role and application of feed nutrients and additives. Topics include comparative aspects of digestion, absorption, and metabolism of nutrients. Emphasis on identification of nutrient requirements and formulation of dietary feeding regimens. Lab fee.

AGCR-1341. Forage and Pasture Management and Utilization. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the production and management of forage crops and pastures including establishment, fertilization, weed control, grazing systems, hay, seed production, and harvesting. Lab fee.

AGEQ-1319. Western Horsemanship I. (3 Credits)

Instruction in basic horsemanship skills including handling, saddling, bridling, mounting, riding, grooming, safety, and basic health care.

AGEQ-1411. Equine Science I. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the horse industry. Includes history, organization and operation of equine enterprises, selection, breeds, breeding, reproduction, health, nutrition, management, and marketing. Lab fee.

AGEQ-2339. Western Horsemanship II. (3 Credits)

Instruction in advanced horsemanship skills including cues, lead changes, head-set, side-pass, and pivots.

AGRI-1131. The Agricultural Industry. (1 Credit)

(1-1-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course provides an overview of world agriculture, nature of the industry and resource conservation, and the American agricultural system which is dependent on coordination of the production agriculture, processing, distribution, marketing, delivery systems and their sub-systems. Employment forecasts and basic information will be provided to assist the student in selecting a field of study.

AGRI-1325. Marketing of Agricultural Products. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Essential marketing functions in the movement of agricultural commodities and products from producer to consumer.

AGRI-1407. Agronomy. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Scientific approach to agronomic crops; their importance, value, use characteristics, classification, distribution, climatic and soil requirements, production, storage, improvement and seed technology. Lab fee.

AGRI-1419. Introductory Animal Science. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. Lab fee.

AGRI-2301. Agricultural Power Units. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. Lab fee.

AGRI-2303. Agricultural Construction. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Safety procedures, selection, use, and maintenance of hand and power tools, metal cutting and welding; and construction materials and principles. Lab fee.

AGRI-2317. Introduction to Agricultural Economics. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental economic principles and their application in the agricultural industry.

AGRI-2321. Livestock Evaluation. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Evaluation and grading of market cattle, swine, sheep, and goats and their carcasses and wholesale cuts. Emphasis will be placed on value determination. Selection and evaluation of breeding cattle, sheep, swine, and goats with emphasis on economically important traits. Lab fee.

AGRI-2330. Wildlife Conservation and Management. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Principles and practices used in the production and improvement of wildlife resources. Aesthetic, ecological, and recreational uses of public and private lands. Lab fee.

AGAH-1401. Animal Science. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introductory survey of the scientific principles and applied practices related to livestock production. Topics include genetics, animal breeding and selection, anatomy and physiology, nutrition, reproduction, health, and marketing of livestock and livestock products. Lab fee.

AGAH-1353. Beef Cattle Production. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of the beef cattle industry. Topics include the organization and operation of beef cattle enterprises, selection breeding, reproduction, health, nutrition, management and marketing. Lab fee.

AGMG-2280. Coop Education, Agriculture Business And Management. (2 Credits)

(2-0-11) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career related activities encountered in the students area of specialization offered through a cooperative agreement between the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. A seminar class will help guide the student through the stated learning objectives. Lab fee.

AGCR-2305. Entomology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the morphology, physiology, and classification of the common insect orders and related arthropods with emphasis on species of economic or biological importance. Emphasis on integrated pest management concepts and proper use of pesticides.

AGCR-1341. Forage and Pasture Management and Utilization. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the production and management of forage crops and pastures including establishment, fertilization, weed control, grazing systems, hay, seed production, and harvesting. Lab fee.

What Agricultural Workers Do

Agricultural workers maintain crops and tend to livestock. They perform physical labor and operate machinery under the supervision of farmers, ranchers, and other agricultural managers.

Agriculture Occupational Outlook

Duties

Agricultural workers typically do the following:

- Harvest and inspect crops by hand
- Irrigate farm soil and maintain ditches or pipes and pumps
- Operate and service farm machinery and tools
- Spray fertilizer or pesticide solutions to control insects, fungi, and weeds
- Move shrubs, plants, and trees with wheelbarrows or tractors
- Feed livestock and clean and disinfect their pens, cages, yards, and hutches
- Examine animals to detect symptoms of illnesses or injuries and administer vaccines to protect animals from diseases
- Use brands, tags, or tattoos to mark livestock in order to identify ownership and grade
- Herd livestock to pastures for grazing or to scales, trucks, or other enclosures

- The following are examples of types of agricultural workers:

Agricultural equipment operators use a variety of farm equipment to plow and sow seeds, as well as maintain and harvest crops. They may use tractors, fertilizer spreaders, balers, combines, threshers, and trucks. These workers also operate machines such as conveyor belts, loading machines, separators, cleaners, and dryers. Workers may make adjustments and minor repairs to equipment.

Animal breeders use their knowledge of genetics and animal science to select and breed animals that will produce offspring with desired traits and characteristics. For example, they breed chickens that lay more eggs, pigs that produce leaner meat, and sheep with more desirable wool. Others breed and raise cats, dogs, and other household pets.

To know which animals to breed and when to breed them, animal breeders keep detailed records. Breeders note animals' health, size, and weight, as well as the amount and quality of the product they produce. Animal breeders also track the traits of animals' offspring.

Some animal breeders may consult with farmers, ranchers, and other agricultural managers about their livestock.

Crop, nursery, and greenhouse farmworkers and laborers perform numerous tasks related to growing and harvesting grains, fruits, vegetables, nuts, and other crops. They plant, seed, prune, irrigate, and harvest crops and pack and load them for shipment.

Farmworkers also apply pesticides, herbicides, and fertilizers to crops. They repair fences and some farm equipment.

Nursery and greenhouse workers prepare land or greenhouse beds for growing horticultural products such as trees, plants, flowers, and sod. They also plant, water, prune, weed, and spray the plants. They may cut, roll, and stack sod; stake trees; tie, wrap, and pack plants to fill orders; and dig up or move field-grown shrubs and trees.

Farm and ranch animal farmworkers care for live animals, including cattle, sheep, pigs, goats, horses, poultry, finfish, shellfish, and bees. These animals usually are raised to supply meat, fur, skins, feathers, eggs, milk, or honey.

These farmworkers may feed, herd, brand, weigh, and load animals. They also keep records on animals; examine animals to detect diseases and injuries; and administer medications, vaccinations, or insecticides.

Many workers clean and maintain animal housing areas every day. On dairy farms, animal farmworkers operate milking machines.

SUMMARY

- Agricultural workers
- 2022 Median Pay: \$33,290 per year; \$16.00 per hour
- Typical Entry-Level Education: See How to Become One
- Work Experience in a Related Occupation: None
- On-the-job Training: See How to Become One
- Number of Jobs, 2022: 804,600
- Job Outlook, 2022-2032: -2% (slight decline), despite declining employment, about 115,700 openings are projected each year
- Employment Change, 2022-2032: -16,000

Work Environment

Agricultural workers usually perform their duties outdoors in all kinds of weather.

How to Become an Agricultural Worker

Agricultural workers typically receive on-the-job training. A high school diploma is not needed for most jobs as an agricultural worker; however, a high school diploma is typically needed for animal breeders.

Pay

The median annual wage for agricultural workers was \$33,290 in May 2022.

Job Outlook

Overall employment of agricultural workers is projected to show little to no growth from 2022 to 2032. Despite increased demand for crops and other agricultural products, employment growth is expected to be tempered as agricultural establishments continue to use technologies that increase output per farmworker.

State & Area Data

Explore resources for employment and wages by state and area for agricultural workers.

Similar Occupations

Compare the job duties, education, job growth, and pay of agricultural workers with similar occupations.

More Information, Including Links to O*NET

Learn more about agricultural workers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Agricultural Workers, at <https://www.bls.gov/ooh/farming-fishing-and-forestry/agricultural-workers.htm> (visited February 18, 2024).

Business Administration and Management

Potential career paths for students pursuing a Business Administration and Management degree include first line supervisors, managers, marketing strategists, fundraisers, and chief executives.

- Business Administration AA Degree, Liberal Arts Major (p. 324)
- Management AAS Degree (p. 326)
- Small Business Entrepreneurship Certificate (p. 328)
- Entrepreneurship OSA (p. 329)

Career Coach & Transfer Opportunities

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- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Business Administration AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Business Administration provides a solid foundation to pursue a Bachelor's Degree in Economics, Finance, Management, Marketing, or General Business. Potential career paths for students

pursuing a Business Administration degree include first line supervisors, managers, marketing strategists, fundraisers, and chief executives.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
ACCT-2401	Principles of Financial Accounting	4
ECON-2301	Principles of Macroeconomics	3
MATH-1324	Mathematics for Business & Social Sciences	3
Hours		16
Term Two		
ENGL-1302	Composition II	3
HIST-1301	United States History I	3
ACCT-2402	Principles of Managerial Accounting	4
BUSI-2305	Business Statistics	3
BCIS-1305	Business Computer Applications	3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
HIST-1302	United States History II	3
BUSI-1301	Business Principle	3
Life & Physical Science		4
Hours		13
Term Four		
GOVT-2306	Texas Government	3
Creative Arts		3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Suggested Pathway Elective		2
Hours		15
Total Hours		60

Administration Electives

Code	Title	Hours
ECON-2302	Principles of Microeconomics	3
BUSI-2301	Business Law	3
MATH-1342	Elementary Statistical Methods	3
MATH-1325	Calculus for Business and Social Sciences	3
SPCH-1321	Business and Professional Communication	3

Management AAS Degree

The Management program prepares a diverse group of students to succeed as the future managers and leaders within our local communities. The program supports students' needs to acquire skills that will allow them to establish a career and/or become more productive in their current organizations.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required
- Capstone course: BMGT-2368 Practicum, Business Administration and Management

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		3
ECON-2301 or ECON-2302	Principles of Macroeconomics or Principles of Microeconomics	3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
BMGT-1301	Supervision	3
BUSG-1301 or BUSI-1301	Introduction to Business or Business Principle	3
BMGT-1309	Information and Project Mgt	3
BCIS-1305	Business Computer Applications	3
Hours		12
Term Two		
POFT-1301	Business English	3
BMGT-1341	Business Ethics	3
BMGT-1327	Principles of Management	3
Hours		9
Term Three		
HRPO-2301	Human Resources Management	3
MRKG-1311	Principles of Marketing	3
HRPO-2307	Organizational Behavior	3
POFT-2312	Business Correspondence and Communication	3
Hours		12
Term Four		
ACNT-1303	Introduction to Accounting I	3
MRKG-2349	Advertising and Sales Promotion	3
BUSI-2301	Business Law	3
BMGT-2368 or BUSG-2309	Practicum, Business Administration and Management (Capstone) or Small Business Management	3
Hours		12
Total Hours		60

Small Business/Entrepreneurship Certificate

The Small Business Entrepreneurship Certificate builds a foundation for the student interested in becoming an entrepreneur by learning and practicing specific skills necessary for starting a viable small business.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required
- Capstone course: BMGT-2368 Practicum, Business Administration and Management

This program leads to the Management AAS degree.

Course	Title	Hours
Term One		
BMGT-1301	Supervision	3
MRKG-1311	Principles of Marketing	3
POFT-1301	Business English	3
ACNT-1303	Introduction to Accounting I	3
Hours		12
Term Two		
BCIS-1305	Business Computer Applications	3
BUSG-1301	Introduction to Business	3
or BUSI-1301	or Business Principle	
MRKG-2349	Advertising and Sales Promotion	3
BUSG-2309	Small Business Management	3
Hours		12
Term Three		
BMGT-1327	Principles of Management	3
HRPO-2301	Human Resources Management	3
BUSI-2301	Business Law	3
BMGT-2368	Practicum, Business Administration and Management	3
or HRPO-2307	or Organizational Behavior	
POFT-2312	Business Correspondence and Communication	3
Hours		15
Total Hours		39

Entrepreneurship OSA

The Entrepreneurship and Small Business occupational skill award (OSA) will validate skills and knowledge for those students interested in working in a middle-skill trade profession as their own boss and those with entrepreneurship and small business career aspirations.

- Degree Type: None awarded
- All required courses available online
- TSI (p. 48): not required

Students successfully completing the Entrepreneurship Occupational Skills Award (OSA) will be eligible for the following industry certification exam:

- **Entrepreneurship and Small Business Certification (ESB)**

This program leads to the Small Business Entrepreneurship Certificate.

Course	Title	Hours
Term One		
BUSI-2301	Business Law	3
MRKG-1311	Principles of Marketing	3
ACNT-1303	Introduction to Accounting I	3
or ACNT-1313	or Computerized Accounting Applications	
BUSG-2309	Small Business Management	3
Hours		12
Total Hours		12

Students successfully completing the Entrepreneurship OSA are encouraged to pursue the **Small Business Entrepreneurship Certificate** by completing nine additional courses.

Business Administration and Management Pathway Courses

ACCT-2401. Principles of Financial Accounting. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Lab fee.

ACCT-2402. Principles of Managerial Accounting. (4 Credits)

(4-3-3) This course is taken for academic credit. (Prerequisite: ACCT 2401) Students will earn an A, B, C, D, F, or W. This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation. Lab fee.

ACNT-1303. Introduction to Accounting I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll.

ACNT-1313. Computerized Accounting Applications. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Use of the computer to develop and maintain accounting records and to process common business applications for managerial decision-making.

BCIS-1305. Business Computer Applications. (3 Credits)

(3-2-4) CORE AREA 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Lab fee.

BMGT-1301. Supervision. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The role of the supervisor. Includes managerial functions as applied to leadership, counseling, motivation, and human relations skills.

BMGT-1325. Office Management. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Systems, procedures, and practices related to organizing and planning office work, supervising employee performance, and exercising leadership skills.

BMGT-1327. Principles of Management. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Concepts, terminology, principles, theories, and issues in the field of management.

BMGT-1341. Business Ethics. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Discussion of ethical issues, the development of a moral frame of reference, and the need for an awareness of social responsibility in management practices and business activities. Includes ethical corporate responsibility.

BMGT-2368. Practicum, Business Administration and Management. (3 Credits)

(3-1-20) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Lab fee.

BUSG-2309. Small Business Management. (3 Credits)

(3-3-0) Starting, operating, and growing a small business. Includes essential management skills, how to prepare a business plan, accounting, financial needs, staffing, marketing strategies, and legal issues.

BUSG-1301. Introduction to Business. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental business principles including structure, functions, resources, and operational processes.

BUSI-1301. Business Principle. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

BUSI-2301. Business Law. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

BUSI-2305. Business Statistics. (3 Credits)

Descriptive and inferential statistical techniques for business and economic decision-making. Topics include the collection, description, analysis, and summarization of data; probability; discrete and continuous random variables; the binomial and normal distributions; sampling distributions; tests of hypotheses; estimation and confidence intervals; linear regression; and correlation analysis. Statistical software is used to analyze data throughout the course. (BUSI 2305 is included in the Business Field of Study.)

HRPO-2301. Human Resources Management. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Behavioral and legal approaches to the management of human resources in organizations.

HRPO-2307. Organizational Behavior. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The analysis and application of organizational theory, group dynamics, motivation theory, leadership concepts, and the integration of interdisciplinary concepts from the behavioral sciences.

MRKG-1311. Principles of Marketing. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the marketing mix functions and process. Includes identification of consumer and organizational needs and explanation of environmental issues.

MRKG-2349. Advertising and Sales Promotion. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Integrated marketing communications. Includes advertising principles and practices. Emphasizes multi-media of persuasive communication including buyer behavior, budgeting, and regulatory constraints.

POFT-1301. Business English. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.

POFT-2312. Business Correspondence and Communication. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Development of writing and presentation skills to produce effective business communications.

Business Administration and Management Occupational Outlook

What Administrative Services Managers Do

Administrative services managers plan, coordinate, and direct a broad range of services that allow organizations to operate efficiently.

Administrative services managers plan, direct, and coordinate activities that help an organization run efficiently. The specific responsibilities vary, but these managers typically maintain facilities and supervise activities that include recordkeeping, mail distribution, and office upkeep. In a small organization, they may direct all support services and may be called the *business office manager*. Large organizations may have several layers of administrative managers who specialize in different areas.

Duties

Administrative services managers typically do the following:

- Supervise clerical and administrative staff
- Set goals and deadlines for their department
- Develop, manage, and monitor records
- Recommend changes to policies or procedures in order to improve operations, such as reassessing supplies or recordkeeping
- Monitor the facility to make sure that it remains safe, secure, and well maintained
- Oversee the maintenance and repair of machinery, equipment, and electrical and mechanical systems
- Make sure that facilities meet environmental, health, and security standards and comply with regulations

Administrative services managers plan, coordinate, and direct a broad range of activities that allow organizations to run efficiently. An organization may have several managers who oversee services for multiple departments, such as mail, printing and copying, recordkeeping, security, building maintenance, and recycling.

Specific tasks and responsibilities may vary. For example, an administrative services manager might be responsible for making sure that the organization has the supplies and services it needs. An administrative services manager who coordinates space allocation might consider employee morale and available funds when determining how to arrange a physical space.

Administrative services managers may examine energy consumption patterns, technology use, and office equipment. They also may plan for maintenance and replacement of equipment, such as computers.

The following are examples of types of administrative services managers:

Facility managers oversee buildings, grounds, equipment, and supplies. Their responsibilities cover several categories, including operations, maintenance, and planning and managing projects.

Facility managers may oversee renovation projects to improve efficiency or to meet regulations and environmental, health, and security standards. For example, they may recommend energy-saving alternatives or efficiencies that reduce waste. In addition, they continually monitor the facility to make sure that it remains safe, secure, and well maintained. Facility managers also direct staff, including grounds maintenance workers, janitors and building cleaners, and general maintenance and repair workers.

Records and information managers develop, monitor, and manage an organization's records. They provide information to chief executives and ensure that employees follow records and information management guidelines. They may direct the operations of onsite or offsite records facilities. These managers also work closely with an organization's attorneys and its technology and business operations staff. Records and information managers do not handle medical records, which are administered by medical and health services managers.

SUMMARY

- Quick Facts: Administrative Services and Facilities Managers
- 2022 Median Pay \$101,870 per year
- \$48.98 per hour
- Typical Entry-Level Education Bachelor's degree
- Work Experience in a Related Occupation Less than 5 years
- On-the-job Training None
- Number of Jobs, 2022 377,800
- Job Outlook, 2022-32 5% (Faster than average)
- Employment Change, 2022-32 19,900
- Other related career opportunities: Management Careers; Business & Financial Occupations

Business and Financial Occupations

Employment of business and financial operations occupations is projected to grow 7 percent from 2021 to 2031, as fast as the average for all occupations, adding about 23,600 new jobs. Globalization, a growing economy, and a complex tax and regulatory environment are expected to continue to lead to strong demand for accountants and auditors. In addition, increasing usage of data and market research in order to understand customers and product demand, and to evaluate marketing strategies, will lead to growing demand for market research analysts.

This median annual wage for business and financial occupations was \$68,350 in May 2021, which was higher than the median annual wage for all occupations of \$38,640.

Management Occupations

Employment of management occupations is projected to grow 7 percent from 2021 to 2031, as fast as the average for all occupations, which will result in about 23,600 new jobs. Employment growth is expected to be driven by the formation of new organizations and the expansion of existing ones, which should require more workers to manage these operations.

The median annual wage for management occupations was \$104,240 in May 2021, which was the highest wage of all the major occupational groups.

Work Environment

Most administrative services managers work full-time. Some work more than 40 hours per week.

How to Become an Administrative Services Manager

Although administrative services managers' educational requirements vary by organization and the work they do, they usually must have a bachelor's degree and related work experience.

Pay

The median annual wage for administrative services managers was \$100,170 in May 2021.

The median annual wage for facilities managers was \$97,930 in May 2021.

Job Outlook

Overall employment of administrative services and facilities managers is projected to grow 7 percent from 2021 to 2031, about as fast as the average for all occupations.

About 31,900 openings for administrative services and facilities managers are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as retiring.

State & Area Data

Explore resources for employment and wages by state and area for administrative services managers.

Similar Occupations

Compare the job duties, education, job growth, and pay of administrative services managers with similar occupations.

More Information, Including Links to O*NET

Learn more about administrative services managers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Administrative Services Managers, on the Internet at <https://www.bls.gov/ooh/management/administrative-services-managers.htm> (visited May 27, 2023).

Computer Science

Potential career paths for students pursuing a Computer Science degree include computer and information systems manager, computer systems analyst, information security analyst, and computer programmer.

- Computer Science AA Degree, Liberal Arts Major (p. 338)
- Computer Science Emphasis in Management Information Systems AAS (p. 340)
- Computer Science Emphasis in Computer Information Systems Cert (p. 341)
- Information Systems Support & Administration AAS Degree (p. 342)
- Fundamentals of Cloud Computing Certificate (p. 344)
- Fundamentals of Cyber Security AAS (p. 345)
- Fundamentals of Cyber Security Certificate (p. 347)
- Computer Science Cyber Defense OSA (p. 348)
- PC Support, Networking and Information Security Certificate (p. 349)
- Computer Science Networking & Security OSA (p. 350)
- Computer Science System Administrator OSA (p. 351)
- PC Support OSA (p. 352)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Computer Science AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Computer Science provides a solid foundation to pursue a Bachelor’s Degree. Potential career paths for students pursuing a Computer Science degree include computer and information systems manager, computer systems analyst, information security analyst, and computer programmer.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
COSC-1336	Programming Fundamentals I	3
MATH-2413	Calculus I	4
Hours		16
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
COSC-1337	Programming Fundamentals II	3
MATH-2414	Calculus II	4
Hours		13
Term Three		
GOVT-2305	Federal Government Constitution	3
PHYS-2425	University Physics I	4
ECON-2301	Principles of Macroeconomics	3
PHIL-2306	Introduction to Ethics	3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
PHYS-2426	University Physics II	4
ECON-2302	Principles of Microeconomics	3
Creative Arts		3
Suggested Pathway Elective		2
Hours		15
Total Hours		60

Computer Science Pathway Electives

Code	Title	Hours
BCIS-1305	Business Computer Applications	3
BUSI-2301	Business Law	3
SPCH-1321	Business and Professional Communication	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Computer Science Emphasis in Management Information Systems AAS

Computer science employees plan, direct or coordinate activities in such fields as electronic data processing, information systems and programming. Computer

programmers write and test code that allows computer applications and software programs to function properly.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

In order to become eligible to earn the CS Management Information Systems AAS, students are to complete the following:

- CS-CIS Certificate (30 semester credit hours)
- Plus the following courses for a total of 60 hours:

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		3
ECON-2301	Principles of Macroeconomics	3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
POFT-1301	Business English	3
BMGT-1301	Supervision	3
HRPO-2307	Organizational Behavior	3
COSC-1337	Programming Fundamentals II	3
ITSE-1311	Beginning Web Programming	3
Hours		15
Total Hours		30

Computer Science Emphasis in Computer Information Systems Cert

Computer science employees plan, direct or coordinate activities in such fields as electronic data processing, information systems and programming. Computer programmers write and test code that allows computer applications and software programs to function properly.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required

This leads to the Computer Science Emphasis in Management Information Systems AAS degree.

Course	Title	Hours
Term One		
ITNW-1325	Fundamentals of Networking Technologies	3
ITSY-1300	Fundamentals of Information Security	3
ITNW-1309	Fundamentals of Cloud Computing	3
BCIS-1305	Business Computer Applications	3
COSC-1336	Programming Fundamentals I	3
Hours		15
Term Two		
ITSW-1304	Introduction to Spreadsheets	3
ITSC-1325	Personal Computer Hardware	3
ITSW-1307	Introduction to Database	3
ITSC-1305	Introduction to PC Operating Systems	3
BMGT-1309 or ITSW-1381	Information and Project Mgt (Capstone) or Coop Education, Data Processing Technology/Technician	3
Hours		15
Total Hours		30

Information Systems Support & Administration AAS Degree

Computer science information systems support and administrators employees have career opportunities as IT support/generalists, PC hardware technicians, network administrators, computer systems security specialists, and cloud computing administrators.

The Information Systems Support & Administration AAS is comprised of two certificates and general education hours: PC Support, Networking & Information Security Certificate, and the Fundamentals of Cloud Computing Certificate.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required
- Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		
ENGL-2322	British Literature I	3
or ENGL-2323	or British Literature II	
or ENGL-2327	or American Literature I	
or ENGL-2328	or American Literature II	
or ENGL-2332	or World Literature I	
or ENGL-2333	or World Literature II	
or PHIL-1301	or Introduction to Philosophy	
or PHIL-2306	or Introduction to Ethics	
or HUMA-1301	or Introduction to Humanities I	
or SPAN-2311	or Intermediate Spanish I	
or SPAN-2312	or Intermediate Spanish II	
or ARTS-1301	or Art Appreciation	
or ARTS-1303	or Art History I (prehistoric to the 14th Century)	
or ARTS-1304	or Art History II (14th Century to Present)	
or ARTS-1313	or Foundations of Art	
or DRAM-1310	or Theater Appreciation	
or DRAM-2366	or Film Appreciation	
or MUSI-1306	or Music Appreciation	
or MUSI-1307	or Music Literature	
or MUSI-1310	or American Music	

Social/Behav. Scie

HIST-1301	United States History I	3
or HIST-1302	or United States History II	
or GOVT-2305	or Federal Government Constitution	
or GOVT-2306	or Texas Government	
or ECON-2301	or Principles of Macroeconomics	
or ECON-2302	or Principles of Microeconomics	
or PSYC-2301	or General Psychology	
or PSYC-2314	or Lifespan Growth and Development	
or SOCI-1301	or Introduction to Sociology	
or SOCI-1306	or Social Problems	
or SOCI-2301	or Marriage and the Family	
or AGRI-2317	or Introduction to Agricultural Economics	
EDUC-1300	Learning Framework	3
or PSYC-1300	or Learning Frameworks	

Hours **15**

Term One

ITSY-1342	Information Technology Security	3
ITSC-1305	Introduction to PC Operating Systems	3
COSC-1336	Programming Fundamentals I	3
ITSY-1300	Fundamentals of Information Security	3

Hours **12**

Term Two

ITNW-1358	Network+	3
BCIS-1305	Business Computer Applications	3
ITSC-1325	Personal Computer Hardware	3
ITNW-1325	Fundamentals of Networking Technologies	3

Hours **12**

Term Three

ITNW-1313	Computer Virtualization	3
ITMT-1305	Configuring Advanced Windows Server Oper	3
ITNW-1309	Fundamentals of Cloud Computing	3
ITMT-1357	Administering a Windows Server Operating System	3

Hours **12**

Term Four

ITSW-1307	Introduction to Database	3
ITNW-1336	Cloud Development and Infrastructure Mgt	3
or ITSC-1381	or Coop: Comp & Info Sciences	
ITSE-1311	Beginning Web Programming	3

Hours **9**

Total Hours **60**

Fundamentals of Cloud Computing Certificate

The Cloud Computing certificate of completion is offered in a traditional semester format with a curriculum comprised of 30 semester credit hours to be completed in one year. The curriculum is divided into two semesters with 15 semester credit hours to be completed during the fall and spring semesters. All the courses are undergraduate workforce curriculum and academic transfer courses.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required
- Students may be eligible to test for Network+ and A++ upon completion of certain courses.

This certificate leads to the Information System Support and Administration AAS degree.

Course	Title	Hours
Term One		
ITSC-1305	Introduction to PC Operating Systems	3
ITSC-1325	Personal Computer Hardware	3
BCIS-1305	Business Computer Applications	3
ITNW-1325	Fundamentals of Networking Technologies	3
ITNW-1358	Network+	3
Hours		15
Term Two		
ITSY-1300	Fundamentals of Information Security	3
ITSY-1342	Information Technology Security	3
ITNW-1309	Fundamentals of Cloud Computing	3
ITNW-1336	Cloud Development and Infrastructure Mgt	3
Hours		12
Total Hours		27

ITNW 1358 & ITNW 1325 = Network+ Exam

ITSC 1305 & ITSC 1325 = CompTIA A+ Exam

MS Azure Fundamentals

AWS Cloud Practitioner

Fundamentals of Cyber Security AAS

This program prepares students to learn to identify, analyze, plan, implement, and monitor cybersecurity systems to protect networks, computer systems, informational assets, and other computer environments from attacks.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): Required
- Capstone course: ITNW-1381 COOP: Comp Syst Networking & Telecom

Students are eligible to sit for the CySA+ exam if they pass all classes.

Course	Title	Hou rs
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		
ENGL-2322	British Literature I	3
or ENGL-2323	or British Literature II	
or ENGL-2327	or American Literature I	
or ENGL-2328	or American Literature II	
or ENGL-2332	or World Literature I	
or ENGL-2333	or World Literature II	
or PHIL-1301	or Introduction to Philosophy	
or PHIL-2306	or Introduction to Ethics	
or HUMA-1301	or Introduction to Humanities I	
or SPAN-2311	or Intermediate Spanish I	
or SPAN-2312	or Intermediate Spanish II	
or ARTS-1301	or Art Appreciation	
or ARTS-1303	or Art History I (prehistoric to the 14th Century)	
or ARTS-1304	or Art History II (14th Century to Present)	
or ARTS-1313	or Foundations of Art	
or DRAM-1310	or Theater Appreciation	
or DRAM-2366	or Film Appreciation	
or MUSI-1306	or Music Appreciation	
or MUSI-1307	or Music Literature	
or MUSI-1310	or American Music	
Social/Behav. Science		
HIST-1301	United States History I	3
or HIST-1302	or United States History II	
or GOVT-2305	or Federal Government Constitution	
or GOVT-2306	or Texas Government	
or ECON-2301	or Principles of Macroeconomics	

or ECON-2302 or PSYC-2301 or PSYC-2314 or SOCI-1301 or SOCI-1306 or SOCI-2301 or AGRI-2317	or Principles of Microeconomics or General Psychology or Lifespan Growth and Development or Introduction to Sociology or Social Problems or Marriage and the Family or Introduction to Agricultural Economics	
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
ITSC-1305	Introduction to PC Operating Systems	3
ITSC-1325	Personal Computer Hardware	3
BCIS-1305	Business Computer Applications	3
ITNW-1325	Fundamentals of Networking Technologies	3
Hours		12
Term Two		
ITNW-1358	Network+	3
ITSY-1300	Fundamentals of Information Security	3
ITSY-1342	Information Technology Security	3
ITSE-1311	Beginning Web Programming	3
Hours		12
Term Three		
ITSY-2301	Firewalls and Network Security	3
ITSY-2342	Incident Response and Handling	3
ITSY-2330	Intrusion Detection	3
ITNW-1309	Fundamentals of Cloud Computing	3
Hours		12
Term Four		
ITNW-1336	Cloud Development and Infrastructure Mgt	3
COSC-1336	Programming Fundamentals I	3
BMGT-1309 or ITNW-1381	Information and Project Mgt or COOP: Comp Syst Networking & Telecom	3
Hours		9
Total Hours		60

Fundamentals of Cyber Security Certificate

Potential career paths for students pursuing a Cyber Security certificate include computer and information systems manager and information security analyst.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required
- Students may be eligible to test for Network+, Security+, and Ethical Hacker Associate upon completion of specific courses.

This certificate leads to the Fundamentals of Cyber Security AAS degree.

Course	Title	Hours
Term One		
Required		
ITSC-1305	Introduction to PC Operating Systems	3
BCIS-1305	Business Computer Applications	3
ITSC-1325	Personal Computer Hardware	3
ITNW-1325	Fundamentals of Networking Technologies	3
ITNW-1358	Network+	3
Hours		15
Term Two		
ITSY-1300	Fundamentals of Information Security	3
ITSY-1342	Information Technology Security	3
ITSY-2301	Firewalls and Network Security	3
ITSY-2342	Incident Response and Handling	3
ITSY-2330	Intrusion Detection (Capstone)	3
Hours		15
Total Hours		30

Courses in preparation for industry certification exams listed below

Network + = ITNW 1325/ITNW 1358

Security + = ITSY 1300/ITSY 1342

Ethical Hacker Associate = ITSY 2330

Students are eligible to sit for the CySA+ exam IF they pass all classes.

Computer Science Cyber Defense OSA

The Computer Science Cyber Defense Occupational Skill Award (OSA) will prepare students for information security analysts' careers that are heavily involved in the maintenance of an organization's IT cyber defense recovery plan including preventive measures such as regularly copying and transferring data to an offsite location. It also involves plans to restore proper IT functioning after a disaster. Analysts continually test the steps in their recovery plans. Information security analysts must stay up to date on IT security and on the latest methods attackers are using to infiltrate computer systems. Analysts need to research new security technology to decide what will most effectively protect their organization.

- Degree Type: None awarded
- All required courses available online
- TSI: not required

This OSA is not meant for transfer.

Professional certifications from CompTIA and Microsoft are world-recognized information technology credentials sought by IT professionals and are often specified as required by companies seeking qualified new hire candidates.

Visit www.comptia.org and/or www.microsoft.com for more information.

This OSA leads to the Fundamentals of Cyber Security Certificate.

Course	Title	Hours
Term One		
Spring Semester		
ITSC-1305	Introduction to PC Operating Systems	3
ITSY-2301	Firewalls and Network Security	3
ITSY-2342	Incident Response and Handling	3
ITSY-2330	Intrusion Detection	3
Hours		12
Total Hours		12

PC Support, Networking and Information Security Certificate

The PC Support, Networking and Information Security Certificate is comprised of two occupational skills achievement (OSA) awards: PC Support OSA and Networking & Information Security OSA.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required

OSAs prepare students for information technology jobs and feature capstone CompTIA or Microsoft certification exams. Professional certifications from CompTIA and Microsoft are world-recognized information technology credentials sought by IT professionals and are often specified as required by companies seeking qualified new hire candidates.

Visit www.comptia.org and/or www.microsoft.com for more information.

Course	Title	Hours
Term One		
ITNW-1309	Fundamentals of Cloud Computing	3
PC Fundamentals OSA		
ITSC-1305	Introduction to PC Operating Systems	3
BCIS-1305	Business Computer Applications	3
ITSC-1325	Personal Computer Hardware	3
Hours		12
Term Two		
ITNW-1336	Cloud Development and Infrastructure Mgt	3
Networking & Info Security OSA		
ITNW-1358	Network+	3
ITNW-1325	Fundamentals of Networking Technologies	3
ITSY-1300	Fundamentals of Information Security	3
ITSY-1342	Information Technology Security	3
Hours		15
Total Hours		27

Capstone courses in preparation for industry certification exams listed below

- ITSC 1305 + ITSC 1325 - CompTIA A+ exam
- ITNW 1358 + ITNW 1325 - Network+ exam
- ITSY 1300 + ITSY 1342 - CompTIA Security+ exam

Computer Science Networking & Security OSA

- Degree Type: None awarded
- All required courses available online
- ITSC, ITNW, ITSY, ITMT, ITSE courses are offered only online
- TSI (p. 48): not required

OSAs prepare students for information technology jobs and feature capstone industry certification exams.

Networking & Information Security Occupational Skills Award (OSA) - Network+ Certification & Security+ Certification (12 credit hours)

This OSA prepares students to take the CompTIA Network+ and Security+ exams. Network+ certification is the sign of a qualified networking professional. Networking courses cover network technologies, installation and configuration, media and topologies, management and security. Candidate job roles include network administrator, network technician, network installer, help desk technician and IT cable installer. Security+ certification designates knowledgeable professionals in the field of computer security, one of the fastest growing fields in IT. Courses cover, network security, compliance and operational security, access control and identity management and cryptography.

Professional certifications from CompTIA and Microsoft are a world-recognized information technology credentials sought by IT professionals and are often specified as required by companies seeking qualified new hire candidates. Visit www.comptia.org and/or www.microsoft.com for more information.

This program leads to the PC Support, Networking & Information Security Certificate.

Course	Title	Hours
Term One		
ITNW-1358	Network+	3
ITNW-1325	Fundamentals of Networking Technologies	3
ITSY-1300	Fundamentals of Information Security	3
ITSY-1342	Information Technology Security	3
Hours		12
Total Hours		12

Capstone courses in preparation for industry certification exams listed below

Capstone - ITNW 1358 & 1325 Network+ Exam.

ITSY 1300 & 1342 CompTIA Security+ Exam.

Computer Science System Administrator OSA

The Computer Science System Administrator Occupational Skill Award (OSA) will prepare students for information technology jobs and prepare students for capstone industry certification exams. Windows server courses prepare students for tasks such as installation and configuration, role and feature configuration, Hyper-V configuration, core network services, Active Directory administration, Group Policy management, Active Directory management, Group Policy configuration, file services management, DNS configuration, routing and remote access configuration, and deployment management.

- Degree Type: None awarded
- All required courses available online
- TSI (p. 48): not required

This OSA is not meant for transfer.

Professional certifications from CompTIA and Microsoft are world-recognized information technology credentials sought by IT professionals and are often specified as required by companies seeking qualified new hire candidates. Visit www.comptia.org and/or www.microsoft.com for more information.

This program leads to the PC Support, Networking and Information Security Certificate.

Course	Title	Hours
Term One		
ITNW-1313	Computer Virtualization	3
ITMT-1305	Configuring Advanced Windows Server Oper	3
ITNW-1309	Fundamentals of Cloud Computing	3
ITMT-1357	Administering a Windows Server Operating System	3
Hours		12
Total Hours		12

PC Support OSA

A PC support technician is a professional who does troubleshooting, maintenance, installation, and repairs of computer hardware and diagnoses software issues. The professionals are usually available to provide technical assistance and support to any employee using a PC for work.

- Degree Type: None
- All required courses are available online
- TSI (p. 48): not required

This program leads to the PC Support, Networking and Information Security Certificate.

Course	Title	Hours
Term One		
BCIS-1305	Business Computer Applications	3
ITSC-1305	Introduction to PC Operating Systems (Capstone - ITSC 1305 & 1325 CompTIA A+ Exam.)	3
ITSC-1325	Personal Computer Hardware	3
Hours		9
Total Hours		9

Computer Science Pathway Courses

COSC-1336. Programming Fundamentals I. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduces the fundamental concepts of structured programming and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. (This course is included in the Field of Study Curriculum for Computer Science.) Lab fee.

COSC-1337. Programming Fundamentals II. (3 Credits)

(3-2-4) This course is taken for academic credit. (Prerequisite COSC 1336) Students will earn an A, B, C, D, F, or W. Focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. The course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. (This course is included in the Field of Study Curriculum for Computer Science.) Lab fee.

ACNT-1303. Introduction to Accounting I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll.

BCIS-1305. Business Computer Applications. (3 Credits)

(3-2-4) CORE AREA 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Lab fee.

BUSI-2301. Business Law. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

IMED-1316. Web Design I. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the fundamentals of HTML, Web page design and development. Lab fee.

ITMT-1305. Configuring Advanced Windows Server Oper. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced configuration tasks required to deploy, manage, and maintain a Window Server operating system infrastructure. Additional topics include fault tolerance, certificate services, and identity federation. Lab fee.

ITMT-1357. Administering a Windows Server Operating System. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of administrative tasks needed to maintain a Windows Server operating system including user and group management, network access and data security. Topics include how to implement, configure and manage Group Policy infrastructure, Group Policy objects (GPOs) using links, security groups, WMI filters, loopback processing, preference targeting and troubleshooting policy application. Lab fee.

ITNW-1325. Fundamentals of Networking Technologies. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. Identify and use network transmission media; explain the OSI model; recognize the primary network topologies/protocols, identify their characteristics, and determine which would be most appropriate for a proposed network; identify the functions of a network operating system and distinguish between centralized, client/server, and peer-to-peer systems; and distinguish between local area networks (LANs) and wide area networks (WANs) and identify the components used to expand a LAN into a WAN. Lab fee.

ITNW-1358. Network+. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Assists individuals in preparing for the Computing Technology Industry Association (CompTIA) Network+ certification exam and careers as a network professional. Lab fee.

ITNW-2356. Designing a Network Directory Infrastructure. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Design, implement, and support a network directory infrastructure in a multi-domain environment. Lab fee.

ITSC-1305. Introduction to PC Operating Systems. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. Lab fee.

ITSC-1325. Personal Computer Hardware. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Topics address recently identified current events, skills knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.

ITSE-1311. Beginning Web Programming. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Skill development in web programming including mark-up and scripting languages. Lab fee.

ITSW-1304. Introduction to Spreadsheets. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in the concepts, procedures, and application of electronic spreadsheets. Lab fee.

ITSW-1307. Introduction to Database. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction of database theory and practical application. Includes techniques for planning, defining, and designing a database and procedures pertaining to queries, reports, control and security of the database. Hands on experience will be provided using appropriate application software. Lab fee.

ITSW-1381. Coop Education, Data Processing Technology/Technician. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career related activities in the student's area of specialization are offered through a cooperative agreement between the college, the employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Lab fee.

ITSY-1300. Fundamentals of Information Security. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to information securing including vocabulary and terminology, ethics, the legal environment and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addresses. The importance of appropriate planning, policies and controls are also discussed. Lab fee.

ITSY-1342. Information Technology Security. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools, encryption; and protection from viruses. Lab fee.

ITSY-2330. Intrusion Detection. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Computer information systems security monitoring, intrusion detection, and crisis management. Includes alarm management, signature configuration, sensor configuration, and troubleshooting components. Emphasizes identifying, resolving, and documenting network crises and activating the response team. Lab fee.

ITSY-2359. Security Assessment and Auditing. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Comprehensive experience for the security curriculum. Synthesizes technical material covered in prior courses to monitor, audit, analyze, and revise computer and network security systems that ensure appropriate levels of protection are in place to assure regulatory compliance. Lab fee.

ITSY-2342. Incident Response and Handling. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. In-depth coverage of incident response and incident handling, including identifying sources of attacks and security breaches; analyzing security logs; recovering the system to normal; performing postmortem analysis; and implementing and modifying security measures. Lab fee.

ITSY-2301. Firewalls and Network Security. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor network security plan. Examine security incident postmortem reporting and ongoing network security activities. Lab fee.

POFI-2301. Word Processing. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Word processing software focusing on business applications. Lab fee.

POFT-2312. Business Correspondence and Communication. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Development of writing and presentation skills to produce effective business communications.

Computer Science Occupational Outlook

What Computer Support Specialists Do

Computer support specialists provide help and advice to computer users and organizations. These specialists either support computer networks or they provide technical assistance directly to computer users.

Duties

Computer network support specialists typically do the following:

- Test and evaluate existing network systems
- Perform regular maintenance to ensure that networks operate correctly
- Troubleshoot local area networks (LANs), wide area networks (WANs), and Internet systems

Computer network support specialists, also called *technical support specialists*, analyze, troubleshoot, and evaluate computer network problems. They play an important role in the routine maintenance of their organization's networks, such as performing file backups on the network. Maintenance can be performed daily, weekly, or monthly and is important to an organization's disaster recovery efforts. Solving an information technology (IT) problem promptly is important because organizations depend on their network systems. Network support specialists may assist computer users through phone, email, or in-person visits. They often work under network and computer systems administrators, who handle more complex tasks.

Computer user support specialists typically do the following:

- Pay attention to customers' descriptions of their computer problems
- Ask customers questions to properly diagnose the problem
- Walk customers through the recommended problem-solving steps
- Set up or repair computer equipment and related devices
- Train users to work with new computer hardware or software, such as printers, word-processing software, and email
- Provide other team members and managers in the organization with information about what gives customers the most trouble and about other concerns customers have

Computer user support specialists, also called *help-desk technicians*, usually provide technical help to non-IT computer users. They respond to phone and email requests for help. They can usually help users remotely, but they also may make site visits so that they can solve a problem in person.

Help-desk technicians may solve a range of problems that vary with the industry and the particular firm. Some technicians work for large software companies or for support service firms and must give instructions to business customers on how to use business-specific programs such as an electronic health records program used in hospitals or physicians' offices. Sometimes they work with other technicians to resolve problems.

Other help-desk technicians work in call centers, answering simpler questions from nonbusiness customers. They may walk customers through basic steps in re-establishing an Internet connection or troubleshooting household IT products such as Wi-Fi routers.

SUMMARY

- Computer support specialists
- 2021 Median Pay: \$57,910 per year; \$27.84 per hour
- Typical Entry-Level Education: See How to Become One
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2021: 875,700
- Job Outlook, 2021-31: 6% (As fast as average)
- Employment Change, 2021-31: 56,400

What Network and Computer Systems Administrators Do

Network and computer systems administrators are responsible for the day-to-day operation of computer networks. Additional details.

What Software Developers Do

Software developers create the applications or systems that run on a computer or another device. Additional details.

What Information Security Analysts Do

Information security analysts plan and carry out security measures to protect an organization's computer networks and systems. Additional details.

Work Environment

Most computer support specialists have full-time work schedules; however, many do not work typical 9-to-5 jobs. Because computer support is important for businesses, support services may need to be available 24 hours a day. As a result, many support specialists must work nights or weekends.

Pay

The median annual wage for computer network support specialists was \$62,760 in May 2021.

The median annual wage for computer user support specialists was \$49,770 in May 2021.

Job Outlook

Employment of computer support specialists is projected to grow 6% from 2021 to 2031, about as fast as average for all occupations. More support services will be needed as organizations upgrade their computer equipment and software.

State & Area Data

Explore resources for employment and wages by state and area for computer support specialists.

Similar Occupations

Compare the job duties, education, job growth, and pay of computer support specialists with similar occupations.

More Information, Including Links to O*NET

Learn more about computer support specialists by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Computer Support Specialists, on the Internet at <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm> (visited May 27, 2023).

Court Reporting

Degrees:

- Court Reporting AAS (p. 361)
- Court Reporting Certificate (p. 363)
- Court Reporting Machine Shorthand Scopist Certificate (p. 364)

TVCC Court Reporting is an online teaching program that provides students with the essential education to become a Certified Shorthand Reporter. The completion of the first year of the program provides students with a Scopist Certificate. This certificate gives students the tools needed to assist current court reporters in producing transcripts and daily copies, rough drafts for courts and depositions. The second year of the program concludes with a Court Reporting Certificate that provides the skills needed to become Certified Shorthand Reporters (CSR). The speed-building portion of the program is self-paced, varies for each student, and may continue past the six semesters. Once the exit speed requirements are met and the student becomes certified by the State, he/she will have opportunities to work as a freelance reporter, official court reporter, broadcast captioner, CART captioner for the hearing-impaired community, or to go on to become a certified real-time captioner working in the broadcasting field.

Pending DOE approval.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Court Reporting AAS

This program prepares students to work in state and federal courtrooms, transcribing a verbatim record of all trials, motions, hearings, etc. This important work can be intense. In addition to trials in civil litigation, official court reporters are present for all criminal trials, preliminary hearings, motions, etc.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): Required
- Capstone course: CRTR 1406: Machine Shorthand II (4 credits)

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Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		3
Social/Behav. Science		3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
Fall Semester		
CRTR-1404	Machine Shorthand I	4
CRTR-1312	Court Reporting Communications I	3
CRTR-1202	Law and Legal Terminology	2
CRTR-1314	Court Reporting Technology I	3
Hours		12
Term Two		
Spring Semester		
CRTR-1406	Machine Shorthand II	4
CRTR-2311	Court Reporting Communications II	3
CRTR-2206	Medical Court Reporting	2
Hours		9
Term Three		
Summer Semester		
CRTR-2401	Intermediate Machine Shorthand	4
Hours		4
Term Four		
Fall Semester		
CRTR-2303	Advanced Machine Shorthand	3
CRTR-2312	Court Reporting Procedures	3
CRTR-1308	Realtime Court Reporting I	3
BUSG-1301	Introduction to Business	3
Hours		12
Term Five		
Spring Semester		
CRTR-2335	Accelerated Machine Shorthand	3
CRTR-2286	Internship – Court Reporting	2
Hours		5
Term Six		
Summer Semester		
CRTR-2331	Court Reporter Certification Preparation (Capstone)	3
Hours		3
Total Hours		60

Court Reporting Certificate

The certificate is designed to provide students with the knowledge and skills necessary for employment and growth in Court Reporting

- Degree Type: Certificate
- All required courses available online.
- TSI: not required

This program leads to the Court Reporting AAS degree.

Term One

Fall Semester

CRTR-1404	Machine Shorthand I	4
CRTR-1312	Court Reporting Communications I	3
CRTR-1202	Law and Legal Terminology	2
CRTR-1314	Court Reporting Technology I	3
Hours		12

Term Two

Spring Semester

CRTR-1406	Machine Shorthand II	4
CRTR-2311	Court Reporting Communications II	3
CRTR-2206	Medical Court Reporting	2
Hours		9

Term Three

Summer Semester

CRTR-2401	Intermediate Machine Shorthand	4
Hours		4

Term Four

Fall Semester

CRTR-2303	Advanced Machine Shorthand	3
CRTR-2312	Court Reporting Procedures	3
CRTR-1308	Realtime Court Reporting I	3
Hours		9

Term Five

Spring Semester

CRTR-2335	Accelerated Machine Shorthand	3
CRTR-2286	Internship – Court Reporting	2
Hours		5

Term Six

Summer Semester

CRTR-2331	Court Reporter Certification Preparation (Capstone)	3
Hours		3
Total Hours		42

Court Reporting Machine Shorthand Scopist Certificate

The certificate is designed to provide students with the knowledge and skills necessary for employment and growth in Court Reporting.

- Degree Type: Certificate
- All required courses available online.
- TSI: not required

This program leads to the Court Reporting AAS degree.

Term One

Fall Semester

CRTR-1404	Machine Shorthand I	4
CRTR-1312	Court Reporting Communications I	3
CRTR-1202	Law and Legal Terminology	2
CRTR-1314	Court Reporting Technology I	3
Hours		12

Term Two

Spring Semester

CRTR-1406	Machine Shorthand II	4
CRTR-2311	Court Reporting Communications II	3
CRTR-2206	Medical Court Reporting	2
Hours		9
Total Hours		21

Court Reporting Pathway Courses

CRTR-1202. Law and Legal Terminology. (2 Credits)

(2, 1, 2) Instruction in civil and criminal judicial systems (discovery, trial and appellate processes), and the legal terms used in court reporting.

CRTR-1308. Realtime Court Reporting I. (3 Credits)

(3, 2, 2) Development of computer and machine shorthand skills necessary for writing real time for production of projects and assignments.

CRTR-1312. Court Reporting Communications I. (3 Credits)

Study of the basic rules of English grammar, spelling, punctuation, capitalization, and proofreading skills as they apply to court reporting.

CRTR-1314. Court Reporting Technology I. (3 Credits)

(3, 2, 2) Introduction to computer-aided transcription systems.

CRTR-1404. Machine Shorthand I. (4 Credits)

Instruction in general principles of real-time machine shorthand theory and skill building through read-back of dictation notes, machine practice, and transcription. This course is designed to be repeated to meet program requirements.

CRTR-1406. Machine Shorthand II. (4 Credits)

(4, 2, 5) Continued development of real-time shorthand skills through read-back, machine practice, and transcription. This course is designed to be repeated to meet program standards.

CRTR-2206. Medical Court Reporting. (2 Credits)

(2, 1, 2) Introduction to medical terms and anatomy in court reporting.

CRTR-2286. Internship - Court Reporting. (2 Credits)

(2, 0, 8) A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.

CRTR-2303. Advanced Machine Shorthand. (3 Credits)

(3, 1, 6) In-depth coverage of real-time machine shorthand theory and continued skill building through read-back, machine practice, and transcript production. This course may be repeated multiple times until machine shorthand standards are met.

CRTR-2311. Court Reporting Communications II. (3 Credits)

(3, 2, 2) In-depth coverage of grammar, spelling, punctuation, capitalization, vocabulary, and proofreading skills necessary to produce transcripts.

CRTR-2312. Court Reporting Procedures. (3 Credits)

(3, 3, 1) Instruction in the role of the court reporter in court proceedings and/or depositions.

CRTR-2331. Court Reporter Certification Preparation. (3 Credits)

Preparation for taking the Texas Certified Shorthand Reporter and the Registered Professional Reporter examinations through the use of mock examinations. This course is designed to be repeated.

CRTR-2335. Accelerated Machine Shorthand. (3 Credits)

(3, 1, 6) Mastery of high-speed dictation including readback, machine practice, and transcription. This course may be repeated multiple times until machine shorthand standards are met.

CRTR-2401. Intermediate Machine Shorthand. (4 Credits)

(4, 2, 5) Continued development of real-time machine shorthand skills through read-back, machine practice, and transcription. This course is designed to be repeated multiple times to meet program standards.

Court Reporters Occupational Outlook

Court Reporters and Simultaneous Captioners

2022 Median Pay: \$63,560 per year; \$30.56 per hour

Typical Entry-Level Education - Postsecondary nondegree award

Work Experience in Related Occupation - None

On-the-job Training Short-term on-the-job training

Number of Jobs, 2022 - 21,300

Job Outlook 2022-32 - 3% (As fast as average)

Employment Change, 2022-32 - 600

What?

Court reporters create word-for-word transcriptions at trials, depositions, and other legal proceedings. Simultaneous captioners provide similar transcriptions for television or for presentations in other settings, such as press conferences and business meetings, for people who are deaf or hard of hearing.

DUTIES

Court reporters and simultaneous captioners typically do the following:

- Attend depositions, hearings, proceedings, and other events that require verbatim transcripts
- Capture spoken dialogue with special equipment, such as stenography machines and digital recording devices
- Report speakers' identification, gestures, and actions
- Read or play back portions of events or legal proceedings upon request
- Ask speakers to clarify inaudible statements or testimony
- Review notes they have taken, including the spelling of names and technical terminology
- Provide copies of transcripts and recordings to the parties involved
- Transcribe television or movie dialogue for the benefit of viewers
- Provide real-time transcription of presentations in public forums for people who are deaf or hard of hearing

Court reporters have a critical role in legal proceedings, which require an exact record of what occurred. These workers are responsible for producing a complete, accurate, and secure transcript of depositions, trials, and other legal proceedings. The official record allows judges and lawyers to efficiently search for important information contained in the transcript. Court reporters also index and catalog exhibits used during legal proceedings.

Simultaneous captioners primarily serve people who are deaf or hard of hearing by transcribing speech to text as the speech occurs. They typically work in settings other than courtrooms or law offices.

The following are examples of types of simultaneous captioners:

Broadcast captioners provide transcriptions for television programs (called closed captions). They capture dialogue for displaying to television viewers, primarily those who are deaf or hard of hearing. Some broadcast captioners may transcribe dialogue in real time during broadcasts; others caption during the program's postproduction.

Communication access real-time translation (CART) providers work primarily with people who are deaf or hard of hearing during meetings, doctors' appointments, and other situations requiring real-time transcription. For example, CART providers may caption the dialogue of college classes and present an immediate transcript to students who are learning English as a second language.

Although some simultaneous captioners accompany their clients to events, many broadcast captioners and CART providers do not. Establishing remote access allows these workers to hear and type dialogue without having to be physically present in the room.

Court reporters and simultaneous captioners turn dialogue into text for a variety of audiences. For information about workers who convey dialogue through sign language, cued speech, or other means to people who are deaf or hard of hearing, see the profile on interpreters and translators.

Court reporters and simultaneous captioners use different methods for recording speech, such as stenotype machines, steno masks, and digital recording devices.

Stenotype machines work like keyboards but create words through key combinations rather than single characters, allowing court reporters to keep up with fast-moving dialogue.

With steno masks, court reporters and simultaneous captioners speak directly into a covered microphone to record dialogue and to describe gestures and actions. Because the microphone is covered, others cannot hear what the reporter or captioner is saying.

Digital recording devices create an audio or video file rather than a written transcript. In addition to recording dialogue, court reporters and simultaneous captioners who use this equipment also take notes to identify the speakers and provide context for the recording. In some cases, they use the audio recording to create a written transcript.

SUMMARY

Court reporters have a critical role in legal proceedings, which require an exact record of what occurred. These workers are responsible for producing a complete, accurate, and secure transcript of depositions, trials, and other legal proceedings. The official record allows judges and lawyers to efficiently search for important information contained in the transcript. Court reporters also index and catalog exhibits used during legal proceedings.

What Information Security Analysts Do

Court reporters create word-for-word transcriptions at trials, depositions, administrative hearings other legal proceedings. Simultaneous captioners provide similar transcriptions for television or presentations in other settings, such as press conferences and business meetings, for people who are deaf or hard of hearing.

WORK ENVIRONMENT

Most Court reporters work in courts or legislatures; simultaneous captioners may work from their home or a central office. Some court reporters and simultaneous captioners travel to other locations, such as meeting sites or public events.

PAY

The median annual wage for court reporters and simultaneous captioners was \$63,560 in May 2022.

JOB OUTLOOK

Employment of court reporters and simultaneous captioners is projected to grow 3 percent from 2022 to 2032, about as fast as the average for all occupations.

About 2,100 openings for court reporters and simultaneous captioners are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

STATE & AREA DATA

Explore resources for employment and wages by state and area for court reporters and simultaneous captioners.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of court reporters and simultaneous captioners with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about court reporters and simultaneous captioners by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Court Reporters and Simultaneous Captioners, at <https://www.bls.gov/ooh/legal/court-reporters.htm> (visited *February 18, 2024*). 023).

Drafting and Design

Architects plan and design houses, factories, office buildings and other structures. Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Drafting and Design Technology AAS Degree (p. 371)
- Advanced Drafting Certificate (p. 373)
- Basic Drafting Certificate (p. 374)
- Computer Aided Drafting OSA (p. 375)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Drafting & Design Technology AAS Degree

Architects plan and design houses, factories, office buildings and other structures.

Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Degree Type: AAS
- Not all required courses available online
- TSI (p. 48): required

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

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Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1314	College Algebra	3
EDUC-1300	Learning Framework	3
Lang./Phil./Culture or Creative Arts		3
Social/Behav. Science		3
Hours		15
Term One		
DFTG-1305	Technical Drafting	3
DFTG-1309	Basic Computer Aided Drafting	3
DFTG-1358	Electrical/Electronics Drafting	3
Hours		9
Term Two		
DFTG-2323	Pipe Drafting	3
BCIS-1305	Business Computer Applications	3
DFTG-2321	Topographical Drafting	3
MCHN-1320	Precision Tools and Measurement	3
Hours		12
Term Three		
ARCE-2344	Statics and Strength of Materials	3
DFTG-1317	Architectural Drafting, Residential	3
DFTG-1345	Parametric Modeling and Design	3
MCHN-1326	Introduction to Computer Aided Manufacturing	3
Hours		12
Term Four		
DFTG-2380 or APPROVED DFTG XXXX ELECTIVE	Coop Dftg & Design or	3
DFTG-2328	Architectural Drafting, Commercial	3
ARCE-1315	Structural Steel Detailing	3
DFTG-2340	Solid Modeling/Design	3
Hours		12
Total Hours		60

Advanced Drafting Certificate

Architects plan and design houses, factories, office buildings and other structures. Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Degree Type: Certificate
- Not all required courses available online
- Drafting offered on Athens campus
- TSI (p. 48): not required

This program leads to the Drafting & Design Technology AAS degree.

Course	Title	Hours
Term One		
DFTG-1358	Electrical/Electronics Drafting	3
MCHN-1320	Precision Tools and Measurement	3
ARCE-2344	Statics and Strength of Materials	3
DFTG-1317	Architectural Drafting, Residential	3
MCHN-1326	Introduction to Computer Aided Manufacturing	3
Hours		15
Term Two		
DFTG-2323	Pipe Drafting	3
DFTG-2321	Topographical Drafting	3
DFTG-2328	Architectural Drafting, Commercial	3
ARCE-1315	Structural Steel Detailing	3
Select one of the following:		
DFTG-2380	Coop Dftg & Design	3
Approved Elective		
Hours		15
Total Hours		30

Advanced Drafting Electives

Code	Title	Hours
DFTG-1305	Technical Drafting	3
DFTG-1345	Parametric Modeling and Design	3
DFTG-2340	Solid Modeling/Design	3

Basic Drafting Certificate

Architects plan and design houses, factories, office buildings and other structures. Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Degree Type: Certificate
- Not all required courses available online
- Drafting offered on Athens campus
- TSI (p. 48): not required

This program leads to the Advanced Drafting Certificate.

Course	Title	Hours
Term One		
DFTG-1305	Technical Drafting	3
DFTG-1309	Basic Computer Aided Drafting	3
DFTG-1345	Parametric Modeling and Design	3
Hours		9
Term Two		
BCIS-1305	Business Computer Applications	3
DFTG-2340	Solid Modeling/Design	3
Select one of the following:		3
DFTG-2380	Coop Dftg & Design	3
Approved Electives		
Hours		12
Total Hours		21

Basic Drafting Certificate Electives

Code	Title	Hours
DFTG-2323	Pipe Drafting	3
MCHN-1320	Precision Tools and Measurement	3
DFTG-1317	Architectural Drafting, Residential	3
MCHN-1326	Introduction to Computer Aided Manufacturing	3
ARCE-1315	Structural Steel Detailing	3

Computer Aided Drafting OSA

Occupational skills achievement awards (OSA) are locally approved sequences of credit courses designed to provide entry level employment skills or industry certifications in an abbreviated timeframe.

- Degree Type: None awarded
- All required courses available online
- Drafting offered on Athens campus
- TSI (p. 48): not required

This program leads to the Basic Drafting Certificate.

Course	Title	Hours
Term One		
DFTG-1305	Technical Drafting	3
DFTG-1309	Basic Computer Aided Drafting	3
Hours		6
Term Two		
DFTG-1345	Parametric Modeling and Design	3
DFTG-2340	Solid Modeling/Design	3
Hours		6
Total Hours		12

Students successfully completing the Computer Aided Drafting OSA are encouraged to pursue the **Basic Drafting Certificate** by completing three additional courses.

Drafting and Design Pathway Courses

DFTG-1305. Technical Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Lab fee.

DFTG-1309. Basic Computer Aided Drafting. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/ print to scale. Lab fee.

DFTG-1310. Specialized Basic Computer Aided Drafting (CAD). (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A supplemental course to Basic Computer Aided Drafting using an alternative computer-aided drafting (CAD) software to create detail and working drawings.

DFTG-1317. Architectural Drafting, Residential. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Preparation of architectural drawings for residential structures with emphasis on light frame construction methods, including architectural drafting procedures, practices, terms, and symbols. Lab fee.

DFTG-1345. Parametric Modeling and Design. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Parametric-based design software for 3-D design and drafting. Lab fee.

DFTG-1357. Specialized Intermediate Computer Aided Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of practices and techniques used in Specialized Basic Computer-Aided Drafting. Emphasizes advanced dimensioning techniques, the development and use of prototype drawings, construction of pictorial drawings, interfacing 2-D and/or 3-D environments and extracting data. Lab fee.

DFTG-1358. Electrical/Electronics Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Electrical and electronic drawings stressing modern representation used for block diagrams, schematic diagrams, logic diagrams, wiring/assembly drawings, printed circuit boards layouts, motor control diagrams, power distribution diagrams, and electrical one-line diagrams. Lab fee.

DFTG-1409. Basic Computer Aided Drafting. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/ print to scale. Lab fee.

DFTG-1417. Architectural Drafting, Residential. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Architectural drafting procedures, practices, terms, and symbols. Preparation of detailed working drawings for residential structure. Emphasis on light frame construction methods. Lab fee.

DFTG-1433. Mechanical Draft. (4 Credits)

Preparation of mechanical drawings including dimensioning and tolerances, sectioning techniques, orthographic projection, and pictorial drawings.

DFTG-1445. Parametric Modeling and Design. (4 Credits)

Parametric-based design software for 3D design and drafting.

DFTG-2280. Coop Education, Drafting and Design Technology/Technician, General. (2 Credits)

(2-1-10) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the College, employer and student. Under supervision of the College and the employer, the student combines classroom learning with work experience. Includes a lecture component. Lab fee.

DFTG-2321. Topographical Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Plotting of surveyor's field notes. Includes drawing elevations, contour lines, plan and profiles, and laying out traverses. Lab fee.

DFTG-2323. Pipe Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of pipe fittings, symbols, specifications and their applications to a piping process system. Creation of symbols and their usage in flow diagrams, plans, elevations, and isometrics. Lab fee.

DFTG-2328. Architectural Drafting, Commercial. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Architectural drafting procedures, practices, governing codes, terms and symbols, including the preparation of detailed working drawings for a commercial building, with emphasis on commercial construction methods. Lab fee.

DFTG-2340. Solid Modeling/Design. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work. Lab fee.

DFTG-2380. Coop Dftg & Design. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

DFTG-2432. Advanced Computer-Aided Drafting. (4 Credits)

Application of advanced CAD techniques.

DFTG-2440. Solid Modeling/Design. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work.

ARCE-1315. Structural Steel Detailing. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course covers the preparation of structural steel drawings and bills of material for the purpose of fabrication and erection. Emphasis will be placed upon using structural design framing plans to develop detailed steel members, connections, and assemblies. Lab fee.

ARCE-1352. Structural Drafting. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of structural systems including concrete foundations and frames, wood framing and trusses, and structural steel framing systems. Includes detailing of concrete, wood, and steel to meet industry standards including the American Institute of Steel Construction and The American Concrete Institution. Lab fee.

ARCE-2344. Statics and Strength of Materials. (3 Credits)

(3-3-0) This course is taken for academic credit. (Prerequisite: DFTG 1305) Students will earn an A, B, C, D, F, or W. Internal effects of forces acting upon elastic bodies and the resulting changes in form and dimensions. Includes stress, shear, bending moments, and simple beam design. Lab fee.

Drafting and Design Occupational Outlook

WHAT DRAFTERS DO

Drafters use software to convert the designs of architects and engineers into technical drawings. Most workers specialize in architectural, civil, electrical, or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

DUTIES

Drafters typically do the following:

- Design plans using computer-aided design (CAD) software
- Work from rough sketches and specifications created by engineers and architects
- Design products with engineering and manufacturing techniques
- Add details to architectural plans from their knowledge of building techniques
- Specify dimensions, materials, and procedures for new products
- Work under the supervision of engineers or architects

Some drafters are referred to as *CAD operators*. Using CAD systems, drafters create and store technical drawings digitally. These drawings contain information on how to build a structure or machine, the dimensions of the project, and what materials are needed to complete the project.

Drafters work with CAD to create schematics that can be viewed, printed, or programmed directly into building information modeling (BIM) systems. These systems allow drafters, architects, construction managers, and engineers to create and collaborate on digital models of physical buildings and machines. Through three-dimensional rendering, BIM software allows designers and engineers to see how different elements in their projects work together.

The following are examples of types of drafters:

Architectural drafters draw structural features and details for buildings and other construction projects. These workers may specialize in a type of building, such as residential or commercial. They may also specialize by the materials used, such as steel, wood, or reinforced concrete.

Civil drafters prepare topographical maps used in construction and civil engineering projects, such as highways, bridges, and dams.

Electrical drafters prepare wiring diagrams that construction workers use to install and repair electrical equipment and wiring in power plants, electrical distribution systems, and residential and commercial buildings.

Electronics drafters produce wiring diagrams, assembly diagrams for circuit boards, and layout drawings used in manufacturing and in installing and repairing electronic devices and components.

Mechanical drafters prepare layouts that show the details for a variety of machinery and mechanical tools and devices, such as medical equipment. These layouts indicate dimensions, fastening methods, and other requirements for assembly. Mechanical drafters sometimes create production molds.

SUMMARY

- Drafters
- 2021 Median Pay: \$60,290 per year, \$28.99 per hour
- Typical Entry-Level Education: Associate's degree
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2021: 192,200
- Job Outlook, 2021-31: -3% decline
- Employment Change, 2021-31: -6,700

WORK ENVIRONMENT

Although drafters spend much of their time working on computers in an office, some may visit jobsites in order to collaborate with architects and engineers. Most drafters work full-time.

HOW TO BECOME A DRAFTER

Drafters typically complete education after high school, often through a program at a community college or technical school. Some programs lead to an associate of applied science in drafting or a related degree. Others result in a certificate or diploma.

PAY

The median annual wage for drafters was \$60,290 in May 2021.

JOB OUTLOOK

Overall employment of drafters is projected to decline by 3 percent from 2021 to 2031.

Despite declining employment, about 18,900 openings for drafters are projected each year, on average, over the decade. All of those openings are expected to result from the need to replace workers who transfer to other occupations or exit the labor force, such as to retire.

STATE & AREA DATA

Explore resources for employment and wages by state and area for drafters.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of drafters with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about drafters by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Drafters, on the Internet at <https://www.bls.gov/ooh/architecture-and-engineering/drafters.htm> (visited *January 18, 2023*).

Economics

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Economics Science provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an Economics degree include economist, economics educator, business management and leadership, entrepreneur, and financial, investment, or policy analyst.

- Economics AA Degree, Liberal Arts Major (p. 383)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Economics AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Economics Science provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an Economics degree include financial analyst, investment analyst, and accountant.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
COSC-1336	Programming Fundamentals I	3
MATH-2413	Calculus I	4
Hours		16
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
COSC-1337	Programming Fundamentals II	3
MATH-2414	Calculus II	4
Hours		13
Term Three		
GOVT-2305	Federal Government Constitution	3
PHYS-2425	University Physics I	4
ECON-2301	Principles of Macroeconomics	3
PHIL-2306	Introduction to Ethics	3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
PHYS-2426	University Physics II	4
ECON-2302	Principles of Microeconomics	3
Creative Arts		3
Suggested Pathway Elective		2
Hours		15
Total Hours		60

Economics Pathway Electives

Code	Title	Hours
BCIS-1305	Business Computer Applications	3
BUSI-2301	Business Law	3
GEOG-1303	World Regional Geography	3
MATH-1342	Elementary Statistical Methods	3
SPCH-1321	Business and Professional Communication	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Economics Pathway Courses

ECON-2301. Principles of Macroeconomics. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An analysis of the economy including the measurement and determination of aggregate demand and aggregate supply, national income, inflation and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy.

ECON-2302. Principles of Microeconomics. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures and international trade.

Economics Occupational Outlook

What Economists Do

Economists prepare reports, tables, and charts.

Economists study the production and distribution of resources, goods, and services by collecting and analyzing data, researching trends, and evaluating economic issues.

Duties

Economists typically do the following:

- Research economic issues
- Conduct surveys and collect data
- Analyze data using mathematical models, statistical techniques, and software
- Present research results in reports, tables, and charts
- Interpret and forecast market trends
- Advise businesses, governments, and individuals on economic topics
- Recommend solutions to economic problems
- Write articles for academic journals and other media

Economists apply both qualitative and quantitative economic analysis to topics within a variety of fields, such as education, health, development, and the environment. Some economists study the cost of products, healthcare, or energy, while others examine employment levels, business cycles, exchange rates, taxes, inflation, or interest rates.

Economists often study historical trends and use them to make forecasts. They research and analyze data using a variety of software programs. They sometimes present their research to various audiences.

Many economists work in federal, state, and local government. Federal government economists collect and analyze data about the U.S. economy, including employment, prices, productivity, and wages, among other types of data. They also project spending needs and inform policymakers on the economic impact of laws and regulations.

Economists working for corporations help managers and decision-makers understand how the economy will affect their business. Specifically, economists may analyze issues such as consumer demand and sales to help a company maximize its profits.

Economists also work for international organizations, research firms, and think tanks, where they study and analyze a variety of economic issues. Their analyses and forecasts are frequently published in newspapers and journals.

Many PhD economists become postsecondary teachers.

SUMMARY

- 2022 Median Pay: \$113,940 per year, \$54.78 per hour
- Typical Entry-Level Education: Master's degree
- Work Experience in a Related Occupation: none
- On-the-job Training: none
- Number of Jobs, 2022: 17,600
- Job Outlook, 2022-32: 6% (Faster than average)
- Employment Change, 2021-32: 1,100

What Economists Do

Economists collect and analyze data, research trends, and evaluate economic issues for resources, goods, and services.

Work Environment

Although the majority of economists work independently in an office, many collaborate with other economists and statisticians. Most economists work full-time during regular business hours, but occasionally, they work overtime to meet deadlines.

How to Become an Economist

Economists typically need at least a master's degree to enter the occupation. However, some entry-level jobs—primarily in the federal government—are available for workers with a bachelor's degree.

Pay

The median annual wage for economists was \$113,940 in May 2022.

Job Outlook

Employment of economists is projected to grow 6 percent from 2022 to 2032, faster than average for all occupations.

About 1,100 openings for economists are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as retiring.

State & Area Data

Explore resources for employment and wages by state and area for economists.

Similar Occupations

Compare the job duties, education, job growth, and pay of economists with similar occupations.

More Information, Including Links to O*NET

Learn more about economists by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Preschool Teachers, on the Internet at <https://www.bls.gov/ooh/life-physical-and-social-science/economists.htm> (visited *January 21, 2024*).

Legal Assistant Technology

Legal assistants do a variety of tasks to support lawyers, including maintaining and organizing files, conducting legal research and drafting documents.

- Legal Assistant Technology AAS Degree (p. 389)
- Legal Assistant Technology Certificate (p. 390)

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- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Legal Assistant Technology AAS Degree

Legal assistants do a variety of tasks to support lawyers, including maintaining and organizing files, conducting legal research and drafting documents.

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required
- Capstone course: LGLA-2380 Coop Education, Paralegal/Legal Assistant

Course	Title	Hours
Term One		
POFT-1301	Business English	3
EDUC/PSYC-1300	Learning Framework	3
LGLA-1219	Paralegal Ethics	2
LGLA-1407	Introduction to Law and the Legal Professions	4
BUSI-2301	Business Law	3
Hours		15
Term Two		
BCIS-1305	Business Computer Applications	3
ENGL-1301	Composition I	3
LGLA-1345	Civil Litigation	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
POFL-1305	Legal Terminology	3
Hours		15
Term Three		
LGLA-2307	Law Office Management	3
POFI-2301	Word Processing	3
GOVT-2305	Federal Government Constitution	3
LGLA-1355	Family Law	3
ACNT-1303	Introduction to Accounting I	3
Hours		15
Term Four		
LGLA-2305	Interviewing and Investigating	3
Lang, Phil, & Culture/Creative Arts		3
LGLA-2313	Criminal Law and Procedure	3
GOVT-2306	Texas Government	3
LGLA-2380 or LGLA-1353	Coop Education, Paralegal/Legal Assistant (Capstone) or Wills, Trusts, and Probate Administration	3
Hours		15
Total Hours		60

Legal Assistant Technology Certificate

Legal assistants do a variety of tasks to support lawyers, including maintaining and organizing files, conducting legal research and drafting documents.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required

This program leads to the Legal Assistant Technology AAS degree.

Course	Title	Hours
Term One		
LGLA-1219	Paralegal Ethics	2
LGLA-1407	Introduction to Law and the Legal Professions	4
BCIS-1305	Business Computer Applications	3
POFT-1301	Business English	3
Hours		12
Term Two		
LGLA-2305	Interviewing and Investigating	3
LGLA-1345	Civil Litigation	3
LGLA-2313	Criminal Law and Procedure	3
POFL-1305	Legal Terminology	3
POFI-2301	Word Processing	3
Hours		15
Term Three		
LGLA-2307	Law Office Management	3
LGLA-1355	Family Law	3
BUSI-2301	Business Law	3
LGLA-2380 or LGLA-1353	Coop Education, Paralegal/Legal Assistant (Capstone) or Wills, Trusts, and Probate Administration	3
Hours		12
Total Hours		39

Legal Assistant Technology Pathway Courses

ACNT-1303. Introduction to Accounting I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll.

BCIS-1305. Business Computer Applications. (3 Credits)

(3-2-4) CORE AREA 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Lab fee.

BUSI-2301. Business Law. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

LGLA-1219. Paralegal Ethics. (2 Credits)

(2-2-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Presents ethical and legal responsibilities as well as rules of professional responsibility a paralegal owes to the public, the court, clients, and colleagues. Includes a review of the canons and codes.

LGLA-1345. Civil Litigation. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Presents fundamental concepts and procedures of civil litigation including pretrial, trial, and post-trial phases of litigation and emphasizes paralegal's role in civil litigation.

LGLA-1353. Wills, Trusts, and Probate Administration. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental concepts of the law of wills, trusts, and probate administration emphasizing the paralegal's role.

LGLA-1355. Family Law. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental concepts of family law including formal and informal marriages, divorce, annulment, marital property, and the parent-child relationship with emphasis on the paralegal's role in family law.

LGLA-1407. Introduction to Law and the Legal Professions. (4 Credits)

(4-4-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Overview of the law and the legal professions including legal concepts, systems, and terminology; substantive areas of law and the federal and state judicial systems; ethical obligations and regulations; professional trends and issues with emphasis on the paralegal's role..

LGLA-2305. Interviewing and Investigating. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of techniques used to locate, gather, document, and manage information with emphasis on developing interview and investigative skills ,and the paralegal's role in interviewing and investigating legal matters.

LGLA-2307. Law Office Management. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of principles and structure of management, administration, and substantive systems in the law office including law practice technology as applied to paralegals.

LGLA-2313. Criminal Law and Procedure. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental concepts of criminal law and procedure from arrest to final disposition including principles of federal and state law emphasizing the role of the paralegal in the criminal justice system.

LGLA-2380. Coop Education, Paralegal/Legal Assistant. (3 Credits)

(3-1-20) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Lab fee.

POFI-2301. Word Processing. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Word processing software focusing on business applications. Lab fee.

POFL-1305. Legal Terminology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of legal terminology and how these terms are used in legal documents.

POFT-1301. Business English. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.

Legal Assistant Technology Occupational Outlook

What Paralegals and Legal Assistants Do

Paralegals and legal assistants perform a variety of tasks to support lawyers, including maintaining and organizing files, conducting legal research, and drafting documents.

Duties

Paralegals and legal assistants typically do the following:

- Investigate and gather the facts of a case
- Conduct research on relevant laws, regulations, and legal articles
- Organize and maintain documents in paper or electronic filing systems
- Gather and arrange evidence and other legal documents for attorney review and case preparation
- Write or summarize reports to help lawyers prepare for trials
- Draft correspondence and legal documents, such as contracts and mortgages
- Get affidavits and other formal statements that may be used as evidence in court
- Help lawyers during trials by handling exhibits, taking notes, or reviewing trial transcripts
- File exhibits, briefs, appeals, and other legal documents with the court or opposing counsel
- Call clients, witnesses, lawyers, and outside vendors to schedule interviews, meetings, and depositions

Paralegals and legal assistants help lawyers prepare for hearings, trials, and corporate meetings.

Paralegals use technology and computer software to manage and organize the increasing amount of documents and data collected during a case. Many paralegals use computer software to catalog documents and to review documents for specific keywords or subjects. Because of these responsibilities, paralegals must be familiar with electronic database management and be current on the latest software used for electronic discovery. Electronic discovery refers to all electronic materials obtained by the parties during the litigation or investigation. These materials may be emails, data, documents, accounting databases, and websites.

Paralegals' specific duties often vary depending on the area of law in which they work. The following are examples of types of paralegals and legal assistants:

Corporate paralegals, for example, often help lawyers prepare employee contracts, shareholder agreements, stock-option plans, and companies' annual financial reports. Corporate paralegals may monitor and review government regulations to ensure that the corporation is aware of new legal requirements.

Litigation paralegals maintain documents received from clients, conduct research for lawyers, retrieve and organize evidence for use at depositions and trials, and draft settlement agreements. Some litigation paralegals may also help coordinate the logistics of attending a trial, including reserving office space, transporting exhibits and documents to the courtroom, and setting up computers and other equipment.

Paralegals may also specialize in other legal areas, such as personal injury, criminal law, employee benefits, intellectual property, bankruptcy, immigration, family law, and real estate.

Specific job duties may also vary by the size of the law firm.

In small firms, paralegals' duties tend to vary more. In addition to reviewing and organizing documents, paralegals may prepare written reports that help lawyers determine how to handle their cases. If lawyers decide to file lawsuits on behalf of clients, paralegals may help draft documents to be filed with the court.

In large organizations, paralegals may work on a particular phase of a case, rather than handling a case from beginning to end. For example, paralegals may only review legal material for internal use, maintain reference files, conduct research for lawyers, or collect and organize evidence for hearings. After gaining experience, a paralegal may become responsible for more complicated tasks.

Unlike the work of other administrative and legal support staff employed in a law firm, the paralegal's work is often billed to the client.

Paralegals may have frequent interactions with clients and third-party vendors. In addition, experienced paralegals may assume supervisory responsibilities, such as overseeing team projects or delegating work to other paralegals.

SUMMARY

- 2022 Median Pay: \$59,200 per year; \$28.46 per hour
- Typical Entry-Level Education: Associate's degree
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2022: 354,300
- Job Outlook, 2022-31: 4% (As fast as average)
- Employment Change, 2022-32: 14,800

Work Environment

Paralegals and legal assistants are found in all types of organizations, but most work for law firms, corporate legal departments, and government agencies. They usually work full-time, and some may have to work more than 40 hours a week to meet deadlines.

How to Become a Paralegal or Legal Assistant

Most paralegals and legal assistants have at least an associate's degree or a certificate in paralegal studies. In some cases, employers may hire college graduates with a bachelor's degree but no legal experience or specialized education and train them on the job.

Pay

The median annual wage for paralegals and legal assistants was \$59,200 in May 2022.

Job Outlook

Employment of paralegals and legal assistants is projected to grow 14 percent from 2022 to 2032, as fast as average for all occupations. About 14,800 openings for paralegals and legal assistants are projected each year, on average, over the decade.

State & Area Data

Explore resources for employment and wages by state and area for paralegals and legal assistants.

Similar Occupations

Compare the job duties, education, job growth, and pay of paralegals and legal assistants with similar occupations.

More Information, Including Links to O*NET

Learn more about paralegals and legal assistants by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Paralegals and Legal Assistants, at <https://www.bls.gov/ooh/legal/paralegals-and-legal-assistants.htm> (visited May 10, 2023).

Health Sciences Pathway

- Athletic Training
- Biomedical Sciences Pre-Professional Programs
- Emergency Medical Technology
- Health Science Academy High School Tracks
- Nursing
- Pharmacy
- Skilled Care
- Surgical Technology
- Vocational Nursing

Athletic Training

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Business Administration provides a solid foundation to pursue a Bachelor's Degree in Athletic Training. Potential career paths for students pursuing an Athletic Training degree include exercise physiologist, athletic trainer and fitness trainer.

- Athletic Training AA Degree, Liberal Arts Major (p. 398)

The courses for the Athletic Training Page can be found under the program sequence page.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Athletic Training AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Athletic Training provides a solid foundation to pursue a Bachelor’s Degree. Potential career paths for students pursuing an Athletic Training degree include exercise physiologist, athletic trainer, and fitness trainer.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All courses are available online except activity KINE courses.
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
MATH-1342	Elementary Statistical Methods	3
Suggested Pathway Elective		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
PSYC-2301	General Psychology	3
Creative Arts		3
Suggested Pathway Elective		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Language, Philosophy, & Culture		3
BIOL-2401	Anatomy and Physiology I	4
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
BIOL-2402	Anatomy and Physiology II	4
Component Area Requirement (CAO)		3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Athletic Training Electives

Code	Title	Hours
BIOL-2420	Microbiology for Non-Science Majors	4
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
KINE-1301	Foundations of Kinesiology	3
KINE-2356	Care & Prevention of Athletic Injuries	3
KINE-1164	Intro to Physical Fitness & Wellness	1
KINE-1304	Personal/Community Health	3
KINE-1306	First Aid	3
KINE-1346	Drug Use and Abuse	3

This suggested curricular pathway is designed to prepare students for entry into an Athletic Training Education Program at a university that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Contact the Advisement Center to determine transferability of courses and college or university requirements.

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Biomedical Sciences Pre-Professional Programs

Completion of an Associate of Arts, Liberal Arts Degree with an emphasis in Biomedical Sciences provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Biomedical Science degree include microbiologist, geneticist, epidemiologist, and family/general practitioners.

- Biomedical Sciences Pre-Professional Programs AA Degree (p. 401)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Biomedical Sciences Pre-Professional Programs AA Degree

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Biomedical Sciences provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Biomedical Science degree include microbiologists, geneticists, epidemiologists, and family/general practitioners.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
CHEM-1411	General Chemistry I	4
MATH-2413	Calculus I	4
Hours		17
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
CHEM-1412	General Chemistry II	4
Social & Behavioral Science		3
Suggested Pathway Elective		3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
Creative Arts		3
Language, Philosophy, & Culture		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		15
Term Four		
GOVT-2306	Texas Government	3
Component Area Requirement (CAO)		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		12
Total Hours		60

Biomedical Science Pathway Electives

Code	Title	Hours
BIOL-1406	Biology for Science Majors I	4
BIOL-1407	Biology for Science Majors II	4
BIOL-2401	Anatomy and Physiology I	4
BIOL-2402	Anatomy and Physiology II	4
CHEM-2423	Organic Chemistry I	4
MATH-1342	Elementary Statistical Methods	3
PHYS-1401	College Physics I	4
PHYS-1402	College Physics II	4
PHYS-2425	University Physics I	4
PHYS-2426	University Physics II	4

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Biomedical Sciences Pre-Professional Pathway Courses

BIOL-1322. Nutrition and Diet Therapy. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, food sources, digestion, absorption and metabolism. Food safety, availability and nutritional information including food labels, advertising and nationally established guidelines are addressed.

BIOL-1406. Biology for Science Majors I. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. (Prerequisite Math 1314 or concurrent enrollment in higher-level math) Students will earn an A, B, C, D, F, or W. Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation and classification. Concepts of cytology, reproduction, genetics and scientific reasoning are included. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-1407. Biology for Science Majors II. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. (Prerequisite Math 1314 or concurrent enrollment in higher-level math). Students will earn an A, B, C, D, F, or W. The diversity and classification of life will be studied, including animals, plants, protists, fungi and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology and evolution of plants and animals. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-1408. Biology for Non-Science Majors I. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Lab fee.

BIOL-1409. Biology for Non-Science-Majors II. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Provides a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Lab fee.

BIOL-2401. Anatomy and Physiology I. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The first part of a two course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-2402. Anatomy and Physiology II. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluids and electrolyte balance) and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-2404. Anatomy and Physiology. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory and circulatory systems. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-2420. Microbiology for Non-Science Majors. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases and public health. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-1405. Introductory Chemistry I. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry and environmental/consumer chemistry. Designed for non-science and allied health students. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-1407. Introductory Chemistry II. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of Chemistry 1405. Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-1411. General Chemistry I. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. (Prerequisite Math 1314 or equivalent academic preparation) Students will earn an A, B, C, D, F, or W. Fundamental principles of chemistry for majors in the sciences, health sciences and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases and an introduction to thermodynamics and descriptive chemistry. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-1412. General Chemistry II. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. (Prerequisite CHEM 1411) Students will earn an A, B, C, D, F, or W. A continuation of CHEM 1411 with topics covering chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-2423. Organic Chemistry I. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. (Prerequisite CHEM 1412) Students will earn an A, B, C, D, F, or W. Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1401. College Physics I. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: MATH 1314 and MATH 1316, OR MATH 2312) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1402. College Physics II. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: PHYS 1401) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics and modern physics topics; with emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1415. Physical Science I. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy, and meteorology. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1417. Physical Science II. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy and meteorology. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-2425. University Physics I. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: MATH 2413) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using calculus, for science, computer science and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-2426. University Physics II. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: PHYS 2425 and MATH 2414) Students will earn an A, B, C, D, F, or W. Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound light and optics. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

Biomedical Sciences Pre-Professional Occupational Outlook

What Biomedical Engineers Do

Biomedical engineers combine engineering principles with medical sciences to design and create equipment, devices, computer systems, and software.

Duties

Biomedical engineers typically do the following:

- Design biomedical equipment and devices, such as artificial internal organs, replacements for body parts, and machines for diagnosing medical problems
- Install, adjust, maintain, repair, or provide technical support for biomedical equipment
- Evaluate the safety, efficiency, and effectiveness of biomedical equipment
- Train clinicians and other personnel on the proper use of biomedical equipment
- Research the engineering aspects of the biological systems of humans and animals with life scientists, chemists, and medical scientists
- Prepare procedures, write technical reports, publish research papers, and make recommendations based on their research findings
- Present research findings to scientists, nonscientist executives, clinicians, hospital management, engineers, other colleagues, and the public

Biomedical engineers design instruments, devices, and software used in healthcare; develop new procedures using knowledge from many technical sources; or conduct research needed to solve clinical problems. They frequently work in research and development or quality assurance.

Biomedical engineers design electrical circuits, software to run medical equipment, or computer simulations to test new drug therapies. In addition, they design and build artificial body parts, such as hip and knee joints. In some cases, they develop the materials needed to make the replacement body parts. They also design rehabilitative exercise equipment.

The work of these engineers spans many professional fields. For example, although their expertise is based in engineering and biology, they often design computer software to run complicated instruments, such as three-dimensional x-ray machines. Alternatively, many of these engineers use their knowledge of chemistry and biology to develop new drug therapies. Others draw heavily on math and statistics to build models to understand the signals transmitted by the brain or heart. Some may be involved in sales.

The following are examples of specialty areas within the field of biomedical engineering:

Bioinstrumentation uses electronics, computer science, and measurement principles to develop instruments used to diagnose and treat medical problems.

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Biomaterials is the study of naturally occurring or laboratory-designed materials that are used in medical devices or as implantation materials.

Biomechanics involves the study of mechanics, such as thermodynamics, to solve biological or medical problems.

Clinical engineering applies medical technology to optimize healthcare delivery.

Rehabilitation engineering is the study of engineering and computer science to develop devices that assist individuals recovering from or adapting to physical and cognitive impairments.

Systems physiology uses engineering tools to understand how systems within living organisms, from bacteria to humans, function and respond to changes in their environment.

Some people with training in biomedical engineering become postsecondary teachers.

Summary

- Biomedical Engineer
- 2022 Median Pay: \$99,550 per year or \$47.86 per hour
- Typical Entry-Level Education: Bachelor's degree
- Work Experience in Related Occupation: None
- On-the-job training: None
- Number of Jobs, 2022: 19,700
- Job Outlook 2022-32: 5% (Faster than average)
- Employment Change: 2022-32; 1,000

Work Environment

Most biomedical engineers work in manufacturing, universities, hospitals, and research facilities of companies and educational and medical institutions. They usually work full-time, and some work more than 40 hours per week.

How to Become a Biomedical Engineer

Biomedical engineers typically need a bachelor's degree in biomedical engineering or bioengineering or in a related engineering field. Some positions may require a graduate degree.

Pay

The median annual wage for bioengineers and biomedical engineers was \$99,550 in May 2022.

Job Outlook

Employment of bioengineers and biomedical engineers is projected to grow 10 percent from 2022 to 2032, faster than the average for all occupations.

About 1,200 openings for bioengineers and biomedical engineers are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as retiring.

State & Area Data

Explore resources for employment and wages by state and area for biomedical engineers.

Similar Occupations

Compare the job duties, education, job growth, and pay of biomedical engineers with similar occupations.

More Information, Including Links to O*NET

Learn more about biomedical engineers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Biomedical Engineers, on the Internet at <https://www.bls.gov/ooh/architecture-and-engineering/biomedical-engineers.htm> (visited February 18, 2024).

Emergency Medical Technology

Emergency medical technicians (EMTs) and paramedics care for the sick or injured in emergency medical settings. People's lives often depend on the quick reaction and competent care provided by these workers. EMTs and paramedics respond to emergency calls, performing medical services and transporting patients to medical facilities.

- Emergency Medical Technology AAS Degree (p. 412)
- Emergency Medical Technology Certificate (p. 414)
- Emergency Medical Technology OSA (p. 415)
- RN-to-Paramedic Enhanced Skill Certificate (p. 416)

Graduates are eligible to take the National Registry of Emergency Medical Technician's exam to become certified or licensed as a paramedic. Students who complete the EMT Basic courses (EMSP-1501 Emergency Medical Technician & EMSP-1160 EMT Basic Clinical) are eligible to take the National Registry of Emergency Medical Technician's exam to become certified as an EMT.

The EMS program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee on Accreditation of the Educational Programs for the Emergency Medical Services Professions (CoAEMSP).

Commission on Accreditation of Allied Health Education Programs
9355 - 113th St. N, #7709
Seminole, FL 33775
www.caahep.org

To contact CoAEMSP:
8301 Lakeview Parkway, Suite 111-312
Rowlett, TX 75088
214-703-8445; Fax 214-703-8992
www.coaemsp.org

Note: Criminal history may disqualify individuals from obtaining or maintaining EMS certifications.

The Texas Health & Human Services (Department) reviews an applicant's and/or certified/licensed EMS personnel criminal background to determine eligibility for EMS certification. Certain offenses will prevent an individual from receiving an EMS certification in Texas or result in the revocation of an EMS certificate or license.

Any person that has been convicted of, placed on deferred adjudication community supervision, or deferred disposition for any of the criminal offenses listed on the TDSHS website are **not** qualified to obtain or maintain an EMS certification.

To obtain a determination of certification eligibility based on a criminal background history, a petitioner should submit a fully completed Department Petition for EMS Criminal History Pre-Screening form for EMS personnel along with the required fee and completion of a Texas Fingerprint Service Code based background check. The Petition for EMS Criminal History Pre-Screening form and the Texas Fingerprint Service Code form are available at www.dshs.state.tx.us/emstraumasystems/formsresources.shtm. Most evaluations are completed within three to six months.

Questions regarding the criminal history review process should be directed to THHS criminal background investigators at (512) 834-6700.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Emergency Medical Technology AAS Degree

The Emergency Medical Technology AAS program is a two-year, 60-credit hour curriculum leading to an associate of applied science degree.

Graduates of the EMT AAS degree will be eligible to take the national registry exam to become **licensed** as a paramedic.

- Degree Type: AAS
- EMT Basic is offered on the Terrell Health Science Center & Athens campuses.
- Paramedic is offered on the Athens and Terrell HSC campus
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including immunization requirements, estimated costs and schedules.
- A student who has current certification from the Texas Department of State Health Services as an EMT Paramedic but who did not complete the current EMSP courses or receive equivalent transfer credit from another accredited college or university may receive college credit for their paramedic training towards an Associate of Applied Science degree by following the credit for prior learning procedure.

The AAS degree in emergency medical technology can be obtained by completing the remaining 23 hours of general education credits. At least 15 semester credit hours (25% of the required credits for the AAS degree) must be completed at TVCC before attaining the degree. Contact the AVP of the health science center for more details.

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
PSYC-2314	Lifespan Growth and Development	3
BIOL-2401	Anatomy and Physiology I	4
Hours		13
Term Two		
Lang, Phil, & Culture/Creative Arts		3
BIOL-2402	Anatomy and Physiology II	4
EMSP-1501	Emergency Medical Technician	5
EMSP-1160	EMT Basic Clinical	1
Suggested Pathway Elective		3
Hours		16
Term Three		
EMSP-1338	Introduction to Advanced Practice	3
EMSP-1356	Patient Assessment & Airway Management	3
EMSP-1261	Paramedic Clinical I	2
Hours		8
Term Four		
EMSP-1355	Trauma Management	3
EMSP-2444	Cardiology	4
EMSP-2461 Paramedic Clinical II		4
Hours		11
Term Five		
EMSP-2434	Medical Emergencies	4
EMSP-2330	Special Populations	3
EMSP-2462	Paramedic Clinical III	4
EMSP-2143	Assessment Based Management	1
Hours		12
Total Hours		60

A grade of 75 or better is required in all EMT courses.

Students must meet current hepatitis B and other vaccination requirements prior to starting EMT clinical courses. See brochure at www.TVCC.edu/Health-Science-Center for current requirements.

Emergency Medical Technology Certificate

The Emergency Medical Technology CERT program consists of all EMSP courses in the AAS with one general education course.

Graduates of the EMT certificate program will be eligible to take the national registry exam to become **certified** as a paramedic.

- Degree Type: Certificate
- EMT Basic is offered on the Terrell Health Science Center & Athens campuses
- Paramedic is offered on the Athens and Terrell HSC campuses
- TSI (p. 48): Reading recommended before starting paramedic level courses
- See the current Health Occupations brochure for more information about the program including immunization requirements, estimated costs and schedules.

This program is not designed to transfer.

Course	Title	Hours
Term One		
EDUC/PSYC-1300	Learning Framework	3
EMSP-1501	Emergency Medical Technician	5
EMSP-1160	EMT Basic Clinical	1
	Hours	9
Term Two		
EMSP-1338	Introduction to Advanced Practice	3
EMSP-1356	Patient Assessment & Airway Management	3
EMSP-1261	Paramedic Clinical I	2
	Hours	8
Term Three		
EMSP-1355	Trauma Management	3
EMSP-2444	Cardiology	4
EMSP-2461 Paramedic Clinical II		4
	Hours	11
Term Four		
EMSP-2434	Medical Emergencies	4
EMSP-2330	Special Populations	3
EMSP-2143	Assessment Based Management	1
EMSP-2462	Paramedic Clinical III	4
	Hours	12
	Total Hours	40

A grade of 75 or better is required in all EMT courses.

Students must meet current hepatitis B and other vaccination requirements prior to starting EMT clinical courses. See brochure at www.TVCC.edu/Health-Science-Center for current requirements.

Emergency Medical Technology OSA

Completers of the EMT OSA will be eligible to take the National Registry of Emergency Medical Technicians EMT certification exam.

- Degree Type: None awarded
- Not all courses offered online
- EMT OSA is offered on the Terrell Health Science Center & Athens campuses.
- TSI (p. 48): not required

Occupational skills achievement awards (OSA) are locally approved sequences of credit courses totaling 9-14 semester credit hours (SCH). The goal of the award is to provide entry-level employment skills within a shortened period of time.

Course	Title	Hours
Term One		
PSYC/EDUC-1300	Learning Frameworks	3
EMSP-1501	Emergency Medical Technician	5
EMSP-1160	EMT Basic Clinical	1
Hours		9
Total Hours		9

Students successfully completing the Emergency Medical Technology OSA are encouraged to pursue the **Emergency Medical Technology Certificate or AAS Degree**.

A grade of 75 or better is required in all EMT courses.

Students must meet current hepatitis B and other vaccination requirements prior to starting EMT clinical courses. See brochure at www.TVCC.edu/Health-Science-Center for current requirements.

RN-to-Paramedic Enhanced Skill Certificate

The Enhanced Skill Certificate is designed to offer coursework for current Registered Nurses (RNs) and prepare them to become a paramedic. Registered nurses who are currently certified as an EMT Basic and have two years of critical care experience (ER or ICU with ACLS certification) are eligible.

- Degree Type: Certificate
- RN to Paramedic is offered on the Athens campus in a hybrid format
- TSI (p. 48): required

This program is not designed to transfer.

Course	Title	Hours
Term One		
EMSP-1356	Patient Assessment & Airway Management	3
EMSP-2553	Emergency Medical Services Certification for Health Care Professionals	5
EMSP-2463	Clinical/RN to Paramedic	4
Hours		12
Total Hours		12

A grade of 75 or better is required in all EMT courses.

Students must meet current hepatitis B and other vaccination requirements prior to starting EMT clinical courses. See brochure at www.TVCC.edu/Health-Science-Center for current requirements.

Emergency Medical Technology Pathway Courses

EMSP-1160. EMT Basic Clinical. (1 Credit)

(1-0-0-4) This course is taken for academic credit. (Prerequisite: See advisor) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Upon successful completion of EMSP 1501 and 1160 and Texas Department of State Health Services (TDSHS) requirements, the student will be eligible to take the Basic Emergency Medical Technician certification examination. Lab Fee \$84 includes professional liability insurance, drug screening and scheduling package.

EMSP-1261. Paramedic Clinical I. (2 Credits)

(2-0-0-8) This course is taken for academic credit. (Prerequisite: See Advisor) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee \$85 includes skills tracker and scheduling package.

EMSP-1338. Introduction to Advanced Practice. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisite: See Advisor) Students will earn an A, B, C, D, F, or W. Fundamental elements associated with emergency medical services to include preparatory practices pathophysiology, medication administration and related topics. Lab fee \$105 includes exam prep package.

EMSP-1355. Trauma Management. (3 Credits)

(3-3-1-0) This course is taken for academic credit. (Prerequisite: See Advisor) Students will earn an A, B, C, D, F, or W. Knowledge and skills in the assessment and management of patients with traumatic injuries. Lab fee.

EMSP-1356. Patient Assessment & Airway Management. (3 Credits)

(3-2-3-0) This course is taken for academic credit. (Prerequisite: See Advisor) Students will earn an A, B, C, D, F, or W. Knowledge and skills required to perform patient assessment, airway management and artificial ventilation. Lab fee.

EMSP-1501. Emergency Medical Technician. (5 Credits)

(5-4-4-0) This course is taken for academic credit. (Prerequisite: See Advisor) Students will earn an A, B, C, D, F, or W. Preparation for certification as an Emergency Medical Technician (EMT). Lab fee.

EMSP-2143. Assessment Based Management. (1 Credit)

(1-0-2-0) This course is taken for academic credit. (Prerequisite: EMSP 1355, 2444 and 2461) Students will earn an A, B, C, D, F, or W. A summative experience covering comprehensive, assessment-based patient care management for the paramedic level. Lab fee \$160 includes national registry exam registration and lab fees.

EMSP-2330. Special Populations. (3 Credits)

(3-3-1-0) This course is taken for academic credit. (Prerequisite: EMSP 1355, 2444 and 2461) Students will earn an A, B, C, D, F, or W. Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics and other related topics. Lab fee.

EMSP-2434. Medical Emergencies. (4 Credits)

(4-4-0-0) This course is taken for academic credit. (Prerequisite: EMSP 1355, 2444 and 2461) Students will earn an A, B, C, D, F, or W. Knowledge and skills in the assessment and management of patients with medical emergencies, including medical overview, neurology, gastroenterology, immunology, pulmonology, urology, hematology, endocrinology, toxicology and other related topics.

EMSP-2444. Cardiology. (4 Credits)

(4-3-2-0) This course is taken for academic credit. (Prerequisite: See Advisor) Students will earn an A, B, C, D, F, or W. Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation. Lab fee.

EMSP-2462. Paramedic Clinical III. (4 Credits)

(4-0-0-16) This course is taken for academic credit. (Prerequisite: EMSP 2444, 1355 and 2461) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab Fee.

EMSP-2463. Clinical/RN to Paramedic. (4 Credits)

(4-0-0-16) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Lab fee \$247 includes professional liability insurance, drug screening, and FISDAP scheduling, skills tracking, and testing package.

EMSP-2553. Emergency Medical Services Certification for Health Care Professionals. (5 Credits)

(5-4-2-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An equivalency course for Emergency Medical Services (EMS) certification under Texas Administrative Code for EMS Personnel Certification. Lab fee.

A grade of 75 or better is required in all EMT courses.

Students must meet current hepatitis B and other vaccination requirements prior to starting EMT clinical courses. See brochure at www.TVCC.edu/Health-Science-Center for current requirements.

Emergency Medical Technology Occupational Outlook

What EMTs and Paramedics Do

Emergency medical technicians (EMTs) and paramedics respond to emergency calls, performing medical services and transporting patients to medical facilities.

SUMMARY

- 2021 Median Pay: \$36,930 per year; \$17.76 per hour
- Typical Entry-Level Education: Postsecondary non-degree award
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2021: 261,000
- Job Outlook, 2021-31: 7% (As fast as average)
- Employment Change, 2021-31: 17,900

Work Environment

Most EMTs and paramedics work full-time. Their work can be physically strenuous and stressful, sometimes involving life-or-death situations.

How to Become an EMT or Paramedic

Emergency medical technicians (EMTs) and paramedics typically complete a postsecondary educational program. All states require EMTs and paramedics to be licensed; requirements vary by state.

Pay

The median annual wage for emergency medical technicians was \$35,470 in May 2021.

The median annual wage for paramedics was \$46,770 in May 2021.

Job Outlook

Overall employment of EMTs and paramedics is projected to grow 7 percent from 2021 to 2031, about as fast as the average for all occupations.

About 20,000 openings for EMTs and paramedics are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for EMTs and paramedics.

Similar Occupations

Compare the job duties, education, job growth, and pay of EMTs and paramedics with similar occupations.

More Information, Including Links to O*NET

Learn more about EMTs and paramedics by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, EMTs and Paramedics, on the Internet at <https://www.bls.gov/ooh/healthcare/emts-and-paramedics.htm> (visited February 14, 2023).

Health Science Academy High School Tracks

- BSN Prerequisites AA Degree, Liberal Arts Major (p. 422)
- Certified EKG Technician OSA (p. 425)

Career Coach & Transfer Opportunities

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- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

BSN Prerequisites AA Degree, Liberal Arts Major

- Degree Type: AA
- Courses are offered online, as well as on the Terrell Health Science Academy, the Terrell Health Science Center, and the Terrell Campus
- TSI (p. 48): required

BSN Prerequisite AA Degree Track

Students who complete this curriculum fulfill the TVCC AA degree requirements as well as the ADN general education requirements. Additionally, this track meets most of the general education and science prerequisite requirements for bachelor of science in nursing degrees at Texas public colleges and universities.

Course	Title	Hours
Term		
One		
9th Grade (High School)		
BCIS-1305	Business Computer Applications	3
ARTS-1301	Art Appreciation	3
Hours		6
Term Two		
9th Grade (High School)		
ITSW-1304	Introduction to Spreadsheets	3
ARTS-1303	Art History I (prehistoric to the 14th Century)	3
Hours		6
Term Three		
10th Grade (High School)		
SOCI-1301	Introduction to Sociology	3
SPCH-1315	Public Speaking	3
Hours		6
Term Four		
10th Grade (High School)		
PSYC-2301	General Psychology	3
GOVT-2306	Texas Government	3
Hours		6

Term Five**11th Grade (Health Science Academy/TVCC Terrell/Online)**

HIST-1301	United States History I	3
ENGL-1301	Composition I	3
PSYC-2314	Lifespan Growth and Development	3
CHEM-1405	Introductory Chemistry I	4
Hours		13

Term Six**11th Grade (Health Science Academy/TVCC Terrell/Online)**

HIST-1302	United States History II	3
ENGL-1302	Composition II	3
BIOL-2420	Microbiology for Non-Science Majors	4
BIOL-1322	Nutrition and Diet Therapy	3
Hours		13

Term Seven**12th Grade (Health Science Academy/TVCC Terrell/Online)**

ENGL-2322	British Literature I	3
MATH-1314	College Algebra	3
BIOL-2401	Anatomy and Physiology I	4
GOVT-2305	Federal Government Constitution	3
Hours		13

Term Eight**12th Grade (Health Science Academy/TVCC Terrell/Online)**

ENGL-2323	British Literature II	3
MATH-1342	Elementary Statistical Methods	3
BIOL-2402	Anatomy and Physiology II	4
ECON-2301	Principles of Macroeconomics	3
Hours		13
Total Hours		76

Although not needed for TVCC degree or BSN prerequisite requirements, these courses fulfill high school graduation requirement.

BSN Occupational Outlook

WHAT REGISTERED NURSES DO

Registered nurses (RNs) provide and coordinate patient care and educate patients and the public about various health conditions.

SUMMARY

- 2023 Median Pay: \$86,070 per year; \$41.38 per hour
- Typical Entry-Level Education: Bachelor's degree
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2019: 3,172,500
- Job Outlook, 2019-29: 6% (Faster than average)
- Employment Change, 2022-2032: 177,400

WORK ENVIRONMENT

Registered nurses work in hospitals, physicians' offices, home healthcare services, and nursing care facilities. Others work in outpatient clinics and schools.

HOW TO BECOME A REGISTERED NURSE

Registered nurses usually take one of three education paths: a bachelor's degree in nursing, an associate's degree in nursing, or a diploma from an approved nursing program. Registered nurses must be licensed.

PAY

The median annual wage for registered nurses was \$86,070 in May 2023.

JOB OUTLOOK

Employment of registered nurses is projected to grow 7 percent from 2019 to 2029, much faster than the average for all occupations. Growth will occur for a number of reasons, including an increased emphasis on preventive care; increasing rates of chronic conditions, such as diabetes and obesity; and demand for healthcare services from the baby-boom population, as this group leads longer and more active lives.

STATE & AREA DATA

Explore resources for employment and wages by state and area for registered nurses.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of registered nurses with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about registered nurses by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Registered Nurses,
at <https://www.bls.gov/ooh/healthcare/registered-nurses.htm> (visited July 07, 2024).

Certified EKG Technician OSA

- Degree Type: None awarded
- Not all courses offered online
- EKG OSA is offered for dual credit students.
- TSI (p. 48): not required

Certified EKG Technician (CET) OSA

After completion of the OSA, students are eligible to take the National Health career Association Certified EKG Technician (CET) exam to pursue national certification.

Course	Title	Hours
Term One		
HPRS-1105	Essentials of Medical Law/Ethics for Health Professionals	1
NURA-1307	Body Systems	3
Hours		4
Term Two		
ECRD-1211	Electrocardiograph	2
MDCA-1317	Procedures in a Clinical Setting	3
Hours		5
Total Hours		9

A grade of 75 or better is required in all courses to progress in the program.

Certified EKG Technician Occupational Outlook

Who are Telemetry Technicians & What do They Do?

Telemetry technicians are responsible for monitoring the heart activity of a patient. The human heart exhibits rhythms in the form of electrical patterns. It is the job of telemetry technicians to monitor these electrical patterns to identify possible problems or diseases so that the patient's physician can develop an appropriate care plan.

In addition to monitoring a patient's heart rhythms, telemetry technicians may also be required to apply EKG leads. EKG leads are connected directly to a patient's body, which feed into an EKG machine. The EKG machine displays the patient's heart rhythms on a

monitor. This is why sometimes telemetry technicians are also referred to as monitoring technicians or EKG technicians.

So Who Are EKG Technicians?

In the past, physicians were the only ones who performed EKGs on patients during the early days of EKG machines. As the technology became more advanced and ubiquitous, the operation of EKG machines was delegated to nurses and other hospital staff. The delegation of this task created a new, specialized role called an EKG technician.

EKG technicians were first only responsible for applying EKG leads and operating EKG machines. Over time, however, the role of EKG technicians evolved to much more than just operational tasks and into interpreting cardiac rhythms. Teaching this skill to EKG technicians greatly increased the value that they could provide to patients, and the healthcare system overall, as they could proactively take action if an abnormal EKG reading appeared on the monitor.

This is when the roles of Telemetry Technicians and EKG Technicians fused, and is also the reason why the titles for each role are often interchanged.

SUMMARY

- Median Pay: \$28,992 to \$35,040 Average Salary; \$15.10 to \$18.25 per hour
- Typical Entry-Level Education: Non-degree, no degree awarded
- Jobs: <https://nationaltelemetryassociation.org/category/jobs/>

SUGGESTED CITATION:

National Telemetry Associate, Telemetry Technician & EKG Technician Salaries in the United States on the Internet at <https://nationaltelemetryassociation.org/telemetry-ekg-technician-salary/> visited *March 30, 2020*).

Health Science Academy High School Tracks Pathway Courses

ECRD-1211. Electrocardiograph. (2 Credits)

(2-1-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. Lab fee.

HPRS-1105. Essentials of Medical Law/Ethics for Health Professionals. (1 Credit)

(1-1-0-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the relationship between legal aspects and ethics in health care, with emphasis on the ethical and legal responsibilities of health care professionals. Lab fee.

MDCA-1160. Clinic Med Assist. (1 Credit)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Lab fee \$87 includes professional liability insurance and drug screen.

MDCA-1254. Medical Assisting Credentialing Exam Review. (2 Credits)

(2-2-1-0) This course is taken for academic credit. (Prerequisite: MDCA 1417) Students will earn an A, B, C, D, F, or W. A preparation for one of the National Commission for Certifying Agencies NCCA recognized credentialing exams. Lab fee.

MDCA-1317. Procedures in a Clinical Setting. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Emphasis

on patient assessment, examinations, and treatment as directed by a physician. Includes vital signs, collection and documented of patient information, asepsis, office clinical procedures and other treatments as appropriate for ambulatory case settings. Computer with web access is required. Lab fee.

MDCA-1348. Pharmacology & Administration of Medications. (3 Credits)

(3-2-4-0) This course is taken for academic credit. (Prerequisite: HRPS 1105 and NURA 1407) Students will earn an A, B, C, D, F, or W. Instruction in concepts and application of pharmacological principles. Focuses on drug classifications, principles and procedures of medication administration, mathematical systems and conversions, calculation of drug problems, and medico-legal responsibilities of the medical assistant. Lab fee.

MDCA-1452. Medical Assistant Laboratory Procedures. (4 Credits)

(4-3-3-0) This course is taken for academic credit. (Prerequisite or Corequisite: HRPS 1105 and NURA 1407) Students will earn an A, B, C, D, F, or W. Application of governmental health care guidelines. Includes specimen collection and handling, quality assurance and quality control in performance of Clinical Laboratory Improvement Amendments (CLIA) waived laboratory testing. Lab fee.

NURA-1307. Body Systems. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A basic study of the structures and functions of the human body. Lab fee.

A grade of 75 or better is required in all courses, nursing and non-nursing.

Health science Academy High School Tracks Occupational Outlook

WHAT NURSING ASSISTANTS AND ORDERLIES DO

Nursing assistants provide basic care and help patients with activities of daily living.

Orderlies transport patients and clean treatment areas.

SUMMARY

- 2021 Median Pay: \$30,290 per year; \$14.56 per hour
- Typical Entry-Level Education: See How to Become One
- Work Experience in a Related Occupation: None
- On-the-job Training: See How to Become One
- Number of Jobs, 2021: 1,389,900
- Job Outlook, 2021-31: 5% (Faster than average)
- Employment Change, 2021-31: 64,900

WORK ENVIRONMENT

Most nursing assistants and orderlies work in nursing and residential care facilities and in hospitals. They are physically active and may need to help lift or move patients.

HOW TO BECOME A NURSING ASSISTANT OR ORDERLY

Nursing assistants often need to complete a state-approved education program and pass their state's competency exam to become licensed or certified. Orderlies typically have at least a high school diploma.

Pay

The median annual wage for nursing assistants was \$30,310 in May 2021.

The median annual wage for orderlies was \$29,990 in May 2021.

Job Outlook

Overall employment of nursing assistants and orderlies is projected to grow 5 percent from 2021 to 2031, about as fast as the average for all occupations.

About 220,200 openings for nursing assistants and orderlies are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

STATE & AREA DATA

Explore resources for employment and wages by state and area for nursing assistants and orderlies.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of nursing assistants and orderlies with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about nursing assistants and orderlies by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Nursing Assistants and Orderlies, at <https://www.bls.gov/ooh/healthcare/nursing-assistants.htm> (visited *January 18, 2023*).

Nursing

Associate Degree Nursing Program Information

Registered nurses care for patients in clinics, hospitals, homes, or other community settings. People's lives often depend on the quick reaction and competent care provided by these workers. If approved by the Texas Board of Nursing, graduates of TVCC's ADN Program are eligible to take the National Council Licensure Examination – RN to become licensed as a registered nurse (RN).

The TVCC ADN program is approved by the Texas Board of Nursing. The associate degree nursing program at Trinity Valley Community College at the Health Science Center located in Terrell, Texas is accredited by the:

Accreditation Commission for Education in Nursing (ACEN)

3390 Peachtree Rd., NE, Suite 1400, Atlanta, GA 30326

404-975-5000

The most recent accreditation decision made by the ACEN Board of Commissioners for the associate degree nursing program is Continuing Accreditation. View the public information disclosed by the ACEN regarding this program at <http://www.acenursing.com/accreditedprograms/programSearch.htm>.

There is a selection process for this program. It is the student's responsibility to read the current health occupations brochure or contact an advisor regarding the current process. Students may apply if they expect to complete the prerequisite courses or become TSI complete by the end of the fall semester. The brochure includes information about the selection process, immunization requirements, and estimated costs, etc.

The deadline for completing all pre-admission testing requirements and submitting the online application is **December 1**. Applicants will have until January 31 to submit fall semester transcripts and TSI completion documentation.

Note: Criminal history may disqualify individuals from obtaining or maintaining nursing certifications.

All nursing ADN applicants will be given instructions for obtaining fingerprints for an FBI criminal background check for the Texas Board of Nursing. These should be completed at least 90 days before the start of nursing classes as the student must be cleared by the Board of Nursing before the semester starts. The Board of Nursing will contact the student if a petition for a declaratory order concerning their eligibility to take the licensing examination (NCLEX-RN) is required. The student must have a "blue" card, a positive outcome letter, or an eligibility letter (declaratory order) **before** starting classes. Students who need to complete this requirement will be sent an email in January with instructions. If the case must be sent to the enforcement division, the processing may take 6-24 months, so applicants must apply early. If a student is not able to start nursing courses due to waiting for a declaratory order, a space will be reserved for the following year pending a positive outcome from the Texas Board of Nursing.

Any nursing applicant who has been diagnosed with, treated, or hospitalized in the past five years for schizophrenia or other psychotic disorders, bipolar disorder, paranoid personality disorder, antisocial personality disorder, or borderline personality disorder, or addicted to or treated for the use of alcohol or any other drug within the past **five years**, must petition the Texas Board of Nursing for a declaratory order concerning their eligibility to take the licensing examination, the NCLEX-RN.

The Texas Board of Nursing can be reached at 512-305-7400. The application for a declaratory order can be downloaded from the at the BON website.

RN-To-BSN Program Information

Nurses should be lifelong learners and the next step in academic progression for associate degree-prepared nurses is the bachelor's degree in nursing. The RN-to-BSN program focuses more in-depth on concepts such as research, theory, community health, leadership, and health policy. The RN-to-BSN program focuses on looking at their practice from a systems or population perspective, rather than focusing on individual patient care. TVCC offers an RN-to-BSN bachelor's degree completion program starting in each fall and spring semester. TVCC has applied for candidacy for accreditation by the Accreditation Commission for Education in Nursing (ACEN).

The TVCC RN-to-BSN program is approved by the Texas Board of Nursing. The baccalaureate nursing program at Trinity Valley Community College at the Health Science Center located in Terrell, Texas is accredited by the:

Accreditation Commission for Education in Nursing (ACEN)
3390 Peachtree Rd., NE, Suite 1400, Atlanta, GA 30326
404-975-5000

There is a selection process for this program. It is the student's responsibility to read the current health occupations brochure or contact an advisor regarding the current process. Students may apply if they are Texas Core Curriculum Complete and have an unencumbered RN license (Texas or privilege to practice in Texas) or are enrolled in the last semester of an ADN program. The brochure includes information about the selection process and estimated costs, etc.

The deadline for completing all pre-admission testing requirements and for submitting the online application is **March 31st** for fall admission and **October 31st** for spring admission.

- Associate Degree Nursing (ADN) AAS Degree (p. 433)
- LVN-to-ADN Nursing Transition AAS Degree (p. 436)
- Paramedic-to-ADN Nursing Transition AAS Degree (p. 438)
- RN-to-BSN Degree (p. 445)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree or higher.

- TVCC's AAS degree in nursing will lead to a Bachelor of Science (BS) degree in nursing at TVCC and at participating universities. Most of these are on-line programs. TVCC has entered into a "CABNET" (Consortium for Advancing Baccalaureate Nursing Education in Texas) agreement with several universities. These agreements list the general education requirements for the BSN degree at the participating universities. Upon completion of these general education courses and the ADN AAS degree as well as passing the NCLEX-RN to become a RN, the graduate will need to complete the final 30 hours of upper division nursing courses at the selected college or university RN-to-BSN program (the majority of which can be done on-line). TVCC's RN-to-BSN program is an affordable, accessible option which gives TVCC ADN graduates the opportunity to continue working with the faculty with whom they are familiar. See an academic advisor for more information on this transfer opportunity.
- TVCC has entered into a memorandum of understanding with the University of Texas at Tyler for students to be accepted into and complete a concurrent BSN program. Students who are accepted into TVCC's ADN program and who have completed all of the required general education courses for the BSN should contact the academic nursing advisor at the University of Texas at Tyler. Students will take BSN courses on-line with UT Tyler during the summers and concurrently with the ADN semesters. Students who successfully complete all program requirements will receive the Associate of Applied Science degree and the Bachelor's of Science degree in nursing at the same time.

Associate Degree Nursing (ADN) AAS Degree

The Associate Degree Nursing AAS program is a two-year, 60-credit hour curriculum leading to an associate of applied science degree.

- Degree Type: AAS
- ADN is offered on the Terrell Health Science Center campus with videoconferencing to the Athens campus.
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs and schedules.

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Science in Nursing (BSN) degree at TVCC or with participating universities. See an academic advisor for more information about the RN-to-BSN at TVCC.

Course	Title	Hours
Term One		
BIOL-2401	Anatomy and Physiology I	4
BIOL-2402	Anatomy and Physiology II	4
Select one of the following:		3
PSYC-2301	General Psychology	
EDUC/PSYC-1300	Learning Framework	
Hours		11
Term Two		
PSYC-2314	Lifespan Growth and Development	3
RNSG-1128	Introduction to Health Care Concepts	1
RNSG-1216	Professional Nursing Competencies	2
RNSG-1125	Professional Nursing Concepts I	1
RNSG-1430	Health Care Concepts I	4
RNSG-1161	Clinical I	1
Hours		12
Term Three		
BIOL-2420	Microbiology for Non-Science Majors	4
RNSG-1126	Professional Nursing Concepts II	1
RNSG-1533	Health Care Concepts II	5
RNSG-2362	Clinical II	3
Hours		13
Term Four		
ENGL-1301	Composition I	3
RNSG-1137	Professional Nursing Concepts III	1
RNSG-1538	Health Care Concepts III	5
RNSG-2363	Clinical III	3
Hours		12
Term Five		
Lang, Phil, & Culture/Creative Arts		3
RNSG-2138	Professional Nursing Concepts IV	1
RNSG-2539	Health Care Concepts IV	5
RNSG-2360	Clinical IV	3
Hours		12
Total Hours		60

BIOL-2401 Anatomy and Physiology I, BIOL-2402 Anatomy and Physiology II and PSYC-2301 General Psychology or PSYC-1300 Learning Frameworks and application to the ADN program are prerequisite to RNSG-1430. Students with less than 15 semester hours should take PSYC-1300 Learning Frameworks; others should take PSYC-2301 General Psychology.

To be eligible to take the National Council Licensure Examination-RN and qualify as a registered nurse, students must attain a grade of 75 or better in all RNSG courses, nursing and C in non-nursing.

Support courses must be completed prior to or taken concurrently with nursing courses as outlined each semester in the curriculum plan.

Students who have completed an ADN level I nursing transfer contract or ADN level II nursing contract should contact the AVP of the health science center for information regarding course credit options.

LVN-to-ADN Nursing Transition AAS Degree

Students must be currently a licensed vocational nurse in Texas (or with privileges to practice in Texas) to be eligible for the LVN to ADN nursing transition program. This three semester pathway (for students who enter with 30 general education/VN courses) is designed to validate and update the previous experiences and education of licensed vocational nurses. Upon successful completion of the transition courses in the summer, the transition students enter the second year of the ADN program.

- Degree Type: AAS
- ADN is offered on the Terrell Health Science Center campus with videoconferencing to the Athens campus.
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs and schedules.

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Science in Nursing (BSN) degree with participating universities. See an academic advisor for more information about the BSN.

Course	Title	Hours
General Education		
Select one of the following:		3
PSYC-2301	General Psychology	
EDUC/PSYC-1300	Learning Framework	
BIOL-2401	Anatomy and Physiology I	4
BIOL-2420	Microbiology for Non-Science Majors	4
PSYC-2314	Lifespan Growth and Development	3
BIOL-2402	Anatomy and Physiology II	4
VN Electives		12
Hours		30
Term One		
RNSG-1118	Transition to Professional Nursing Competencies	1
RNSG-1125	Professional Nursing Concepts I	1
RNSG-1324	Concept-Based Transition to Professional Nursing Practice	3
RNSG-1163	Transition Clinical, LVN	1
Hours		6
Term Two		
ENGL-1301	Composition I	3
RNSG-1137	Professional Nursing Concepts III	1
RNSG-1538	Health Care Concepts III	5
RNSG-2363	Clinical III	3
Hours		12
Term Three		
Lang, Phil, & Culture/Creative Arts		3
RNSG-2138	Professional Nursing Concepts IV	1
RNSG-2539	Health Care Concepts IV	5
RNSG-2360	Clinical IV	3
Hours		12
Total Hours		60

Note: If student does not have college credit for VN courses, he/she can obtain credit for the VN electives through the credit for prior learning process. Students with less than 15 semester credit hours should take PSYC-1300 Learning Frameworks. Otherwise, students should take PSYC-2301 General Psychology

To be eligible to take the National Council Licensure Examination-RN and qualify as a registered nurse, students must attain a grade of 75 or better in all RNSG courses, nursing and C in non-nursing.

Support courses must be completed prior to or taken concurrently with nursing courses as outlined each semester in the curriculum plan.

Paramedic-to-ADN Nursing Transition AAS Degree

Students must be currently a certified or licensed paramedic with at least one year of experience to be eligible for the paramedic to ADN nursing transition program. This pathway is designed to validate and update the previous experiences and education of paramedics. Upon successful completion of the transition courses in the summer, the transition students enter the second year of the ADN program.

- Degree Type: AAS
- ADN is offered on the Terrell Health Science Center campus with videoconferencing to the Athens campus.
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs and schedules.

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Science in Nursing (BSN) degree with participating universities. See an academic advisor for more information about the BSN.

Course	Title	Hours
General Education		
PSYC-2301 or EDUC-1300	General Psychology or Learning Framework	3
PSYC-2314	Lifespan Growth and Development	3
BIOL-2401	Anatomy and Physiology I	4
BIOL-2420	Microbiology for Non-Science Majors	4
BIOL-2402	Anatomy and Physiology II	4
EMS Electives		12
	Hours	30
Term One		
RNSG-1125	Professional Nursing Concepts I	1
RNSG-1118	Transition to Professional Nursing Competencies	1
RNSG-1324	Concept-Based Transition to Professional Nursing Practice	3
RNSG-1162	Transition Clinical, Paramedic	1
	Hours	6
Term Two		
ENGL-1301	Composition I	3
RNSG-1137	Professional Nursing Concepts III	1
RNSG-1538	Health Care Concepts III	5
RNSG-2363	Clinical III	3
	Hours	12
Term Three		
Lang, Phil, & Culture/Creative Arts .		3
RNSG-2138	Professional Nursing Concepts IV	1
RNSG-2539	Health Care Concepts IV	5
RNSG-2360	Clinical IV	3
	Hours	12
	Total Hours	60

Note: If student does not have college credit for EMS courses, he/she can obtain credit for the EMS electives through the credit for prior learning process. Students with less than 15 semester credit hours should take PSYC-1300 Learning Frameworks. Otherwise, students should take PSYC-2301 General Psychology.

To be eligible to take the National Council Licensure Examination-RN and qualify as a registered nurse, students must attain a grade of 75 or better in all RNSG courses, nursing and C in non-nursing.

Support courses must be completed prior to or taken concurrently with nursing courses as outlined each semester in the curriculum plan.

ADN Pathway Courses

RNSG-1118. Transition to Professional Nursing Competencies. (1 Credit)

(1-0-4-0) This course is taken for academic credit. (Prerequisite: Acceptance into the Transition ADN program) Students will earn an A, B, C, D, F, or W. Transition to professional nursing competencies in the care of patients throughout the lifespan. Validates proficiency in psychomotor skills and clinical reasoning in the performance of nursing procedures related to the concepts of: clinical judgment, comfort, elimination, fluid and electrolytes, nutrition, gas exchange, safety, functional ability, immunity, metabolism, mobility and tissue integrity. Includes health assessment and medication administration. This course lends itself to a concept-based approach. Requires computer/web access. Lab fee.

RNSG-1125. Professional Nursing Concepts I. (1 Credit)

(1-1-0-0) This course is taken for academic credit. (Prerequisite: BIOL 2401, BIOL 2402, PSYC 2301 and acceptance into the ADN program) Students will earn an A, B, C, D, F, or W. Introduction to professional nursing concepts and exemplars within the professional nursing roles: member of profession, provider of patient-centered care, patient safety advocate, and member of the health care team. Content includes clinical judgment, communication, ethical-legal, evidence-based practice, health promotion, health information technology, patient-centered care, patient education, professionalism, safety and teamwork/collaboration. Emphasizes role development of the professional nurse. This course lends itself to a concept-based concept. Lab Fee \$45 includes dues to Student Nursing Association. Requires computer/web access.

RNSG-1126. Professional Nursing Concepts II. (1 Credit)

(1-1-0-0) This course is taken for academic credit. (Prerequisite: RNSG 1128, 1216, 1430, 1125, and 1161) Students will earn an A, B, C, D, F, or W. Expanding professional nursing concepts and exemplars within the professional nursing roles. Applying concepts of clinical judgment, ethical-legal, evidence-based practice, patient-centered care, professionalism, safety, and team/collaboration to the exemplars presented in the Health Care Concepts II course. Introduces concepts of leadership and management. Emphasizes role development of the professional nurse. This course lends itself to a concept-based approach. Requires computer/web access.

RNSG-1128. Introduction to Health Care Concepts. (1 Credit)

(1-1-0-0) This course is taken for academic credit. (Prerequisite: BIOL 2402, BIOL 2402, PSYC 2301 and acceptance into the ADN program) Students will earn an A, B, C, D, F, or W. An introduction to concept-based learning with emphasis on selected pathophysiological concepts with nursing applications. Concepts include acid-base balance, fluid and electrolytes, immunity, gas exchange, perfusion, metabolism, coping and tissue integrity. This course lends itself to a concept-based approach. Requires computer/web access.

RNSG-1137. Professional Nursing Concepts III. (1 Credit)

(1-1-0-0) This course is taken for academic credit. (Prerequisite: RNSG 1126, 1533 & 2362 OR RNSG 1324, 1128, 1118, & 1162 or 1163) Students will earn an A, B, C, D, F, or W. Application of professional nursing concepts and exemplars within the professional nursing roles. Utilizes concepts of clinical judgment, ethical-legal, evidence-based practice, patient-centered care, professionalism, safety, teamwork and collaboration. Introduces the concepts of quality improvement, health information technology and health care organizations. Incorporates concepts into role development of the professional nurse. This course lends itself to a concept-based approach. Lab Fee \$80 includes SNA dues and registration fee for mock trial. Requires computer/web access.

RNSG-1161. Clinical I. (1 Credit)

(1-0-0-4) This course is taken for academic credit. (Prerequisite: BIOL 2401, BIOL 2402, PSYC 2301 and acceptance into the ADN program) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Lab Fee \$87 includes drug screen and professional liability insurance. Requires computer/web access.

RNSG-1162. Transition Clinical, Paramedic. (1 Credit)

(1-0-0-4) This course is taken for academic credit. (Prerequisite: Acceptance into the Transition Nursing Program) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. The student must pass both RNSG 1128, 1324, 1118 and 1162 concurrently in order to be able to progress to the Level III nursing courses. Lab fee \$74 includes drug screening and lab fees. Requires computer/web access.

RNSG-1163. Transition Clinical, LVN. (1 Credit)

(1-0-0-4) This course is taken for academic credit. (Prerequisite: Acceptance into the Transition Nursing Program) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee includes drug screening and lab fee. Requires computer/web access.

RNSG-1216. Professional Nursing Competencies. (2 Credits)

(2-0-8-0) This course is taken for academic credit. (Prerequisite: BIOL 2401, BIOL 2402, PSYC 2301 and acceptance into the ADN program) Students will earn an A, B, C, D, F, or W. Development of professional nursing competencies in the care of patients throughout the lifespan. Emphasizes psychomotor skills and clinical reasoning in the performance of nursing procedures related to the concepts of: clinical judgment, comfort, elimination, fluid and electrolytes, nutrition, gas exchange, safety, functional ability, immunity, metabolism, mobility and tissue integrity. Includes health assessment and medication administration. This course lends itself to a concept-based approach. Requires computer/web access. Lab fee.

RNSG-1324. Concept-Based Transition to Professional Nursing Practice. (3 Credits)

(3-2-4-0) This course is taken for academic credit. (Prerequisite: Acceptance into the Transition Nursing Program) Students will earn an A, B, C, D, F, or W. Integration of previous health care knowledge and skills into the role development of the professional nurse as a provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession. Emphasis is on clinical decision-making for patients and their families. Review of selected health care and professional nursing concepts with application through exemplars. Health care concepts include comfort, diversity, elimination, functional ability, human development, mobility, nutrition, sensory perception, sleep, coping, thermoregulation, tissue integrity, acid-base balance, clotting, cognition, fluid and electrolyte balance, gas exchange, immunity, metabolism, nutrition, grief and perfusion. Professional nursing concepts include clinical judgment, communication, ethical-legal, evidence-based practice, health promotion, health information technology, patient-centered care, patient education, professionalism, safety, and teamwork and collaboration. Introduces concepts of leadership and management. This course lends itself to a concept-based approach. Lab fee includes HESI package fee and lab fees (\$672.50). Requires computer/web access.

RNSG-1430. Health Care Concepts I. (4 Credits)

(4-3-4-0) This course is taken for academic credit. (Prerequisite: BIOL 2401, BIOL 2402, PSYC 2301 and acceptance into the ADN program) Students will earn an A, B, C, D, F, or W. In-depth coverage of foundational health care concepts with application through selected exemplars. Concepts include comfort, diversity, elimination, functional ability, human development, mobility, nutrition, sensory perception, sleep, thermoregulation, grief and tissue integrity. Emphasizes development of clinical judgment skills in the beginning nurse. This course lends itself to a concept-based approach. Lab Fee includes HESI package, simulated EHR, ATI package, and lab fee (\$598.75). Requires computer/web access.

RNSG-1533. Health Care Concepts II. (5 Credits)

(5-4-4-0) This course is taken for academic credit. (Prerequisite: RNSG 1128, 1216, 1430, 1125 and 1161) Students will earn an A, B, C, D, F, or W. In-depth coverage of health care concepts with application through selected exemplars. Concepts include acid-base balance, coping, clotting, cognition, fluid and electrolytes, gas exchange, immunity, metabolism, nutrition, comfort and perfusion. Provides continuing opportunities for development of clinical judgment skills. This course lends itself to a concept-based approach. Lab Fee includes HESI testing package, ATI package, and lab fees (\$598.75). Requires computer/web access.

RNSG-1538. Health Care Concepts III. (5 Credits)

(5-4-4-0) This course is taken for academic credit. (Prerequisite: RNSG 1126, 1533 and 2362 OR RNSG 1324, 1128, 1118 & 1162 or 1163) Students will earn an A, B, C, D, F, or W. In-depth coverage of health care concepts with nursing application through selected exemplars. Concepts include cellular regulation, end of life, immunity, interpersonal relationships, grief, human development, intracranial regulation, mood/affect, comfort, sexuality, mobility and reproduction. Provides continuing opportunities for development of clinical judgment skills. The course lends itself to a concept-based approach. Lab Fee includes HESI package, Mock Trial Fee, EHR Tutor, and World package. Requires computer/web access.

RNSG-2138. Professional Nursing Concepts IV. (1 Credit)

(1-1-1-0) This course is taken for academic credit. (Prerequisite: RNSG 1538, 1137 and 2363) Students will earn an A, B, C, D, F, or W. Integration of professional nursing concepts and exemplars within the professional nursing roles. Synthesizes concepts of clinical judgment, ethical-legal, evidence-based practice, leadership and management, patient-centered care, professionalism, teamwork and collaboration through exemplars presented in the Health Care Concepts courses. Emphasizes concept of quality improvement and introduces health policy. Incorporates concepts into role development of the professional nurse. This course lends itself to a concept-based approach. Requires computer/web access. Lab fee.

RNSG-2360. Clinical IV. (3 Credits)

(3-0-0-12) This course is taken for academic credit. (Prerequisite: RNSG 1538, 1137, and 2363) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Lab fee. Requires computer/web access.

RNSG-2362. Clinical II. (3 Credits)

(3-0-0-12) This course is taken for academic credit. (Prerequisite: RNSG 1128, 1216, 1430, 1125 and 1161) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Requires computer/web access. Lab fee.

RNSG-2363. Clinical III. (3 Credits)

(3-0-0-12) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Lab fee includes professional liability insurance and simulated EHR. Requires computer/web access.

RNSG-2539. Health Care Concepts IV. (5 Credits)

(5-4-4-0) This course is taken for academic credit. (Prerequisite: RNSG 1538, 1137 and 2363) Students will earn an A, B, C, D, F, or W. In-depth coverage of advanced health care concepts with nursing application through selected exemplars. Concepts include, cognition, immunity, clotting, fluid and electrolyte balance, gas exchange, metabolism, nutrition, perfusion, tissue integrity and interpersonal relationships. Continuing development of clinical judgment with integration of all health care concepts. The course lends itself to a concept-based approach. Lab fee includes HESI testing package, lab fees, class photos, and Mock Trial. Requires computer/web access.

To be eligible to take the National Council Licensure Examination-RN and qualify as a registered nurse, students must attain a grade of C or better in all courses, nursing and non-nursing.

Support courses must be completed prior to or taken concurrently with nursing courses as outlined each semester in the curriculum plan.

Students who have completed an ADN level I nursing transfer contract or ADN level II nursing contract should contact the provost of the health science center for information regarding course credit options.

RN-to-BSN Degree

The RN-to-BSN completion program is the last year of a four-year, 120-credit hour curriculum leading to an bachelor of science degree. The program is for ADN educated RNs who wish to earn their bachelor's degree in nursing.

- Degree Type: BS
- RN-to-BSN Program is offered on the Terrell Health Science Center campus in a hybrid format
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, estimated costs and schedules.

Course	Title	Hours
General Education		
BIOL-2401	Anatomy and Physiology I	4
BIOL-2402	Anatomy and Physiology II	4
BIOL-2420	Microbiology for Non-Science Majors	4
PSYC-2301	General Psychology	3
PSYC-2314	Lifespan Growth and Development	3
ENGL-1301	Composition I	3
ENGL-1302	Composition II	3
GOVT-2305	Federal Government Constitution	3
GOVT-2306	Texas Government	3
HIST-1301	United States History I	3
HIST-1302	United States History II	3
MATH-1342	Elementary Statistical Methods	3
ENGL-2311	Technical & Business Writing (One Semester Course)	3
SOCI-1301	Introduction to Sociology	3
Language/Philosophy/Culture Elective		3
Creative Arts Elective		3
Elective		3
ADN Nursing Courses		36
Hours		90
Total Hours		90

RN-TO-BSN Nursing Courses

Course	Title	Hours
Term One		
1st 8 Weeks		
NURS-3350	Transition to Baccalaureate Nursing Prac	3
NURS-3301	Health Assessment for the RN	3
2nd 8 Weeks		
NURS-4314	Theoretical Principles of Nursing	3
NURS-4326	Legal/Ethical Considerations in Nursing	3
Hours		12
Term Two		
1st 8 Weeks		
NURS-3351	Research & Evidence-Based Nursing Practi	3
NURS-4355	Community & Public Health	3
NURS-4160	Community & Public Health Clinical	1
2nd 8 Weeks		
NURS-4345	Health Policy & Regulation	3
NURS-4457	Leadership & Management	4
NURS-4161	Leadership & Management Clinical	1
Elective (NURS 3300, NURS 3353, or Certification in Nursing)		3
Examples of Certification in Nursing are: CEN, CCRN, Gerontology. Credit for Prior Learning is awarded for the certification		
hours		18
Total Hours		30
Total Program Hours		120

RN-to-BSN Pathway Courses

These courses will be offered in 2021 - 2022 upon approval of the RN-to-BSN program by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC).

NURS-3300. Cooperative Nursing. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisite: NURS 3350) Students will earn an A, B, C, D, F, or W. The cooperative nursing course integrates the registered nurse's career-related experience in the workplace with classroom study. The purpose is continued development of the knowledge, skills, and behaviors associated with the role of the bachelor's prepared registered nurse. Requires computer/web access.

NURS-3301. Health Assessment for the RN. (3 Credits)

(3-2-3-0) This course is taken for academic credit. (Prerequisite: Acceptance into the RN-to-BSN Program) Students will earn an A, B, C, D, F, or W. This course focuses on the registered nurse's synthesis of nursing knowledge and skills to perform a comprehensive health assessment of individuals across the lifespan. Requires computer/web access. Lab fee.

NURS-3350. Transition to Baccalaureate Nursing Practice. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisite: Acceptance into the RN-to-BSN Program) Students will earn an A, B, C, D, F, or W. Synthesis of previous knowledge and skills provide the foundation for development of the baccalaureate prepared nursing roles as a provider of patient centered care, patient safety advocate, member of the interdisciplinary team, and member of the profession. Discussion includes examination of historical aspects of healthcare and nursing as a profession, analysis of nursing theory, application of clinical judgment, legal and ethical standards, professionalism, teamwork, and collaboration. Requires computer/web access.

NURS-3351. Research & Evidence-Based Nursing Practice. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisites: NURS 3350, NURS 3301, NURS 4314 and NURS 3326) Students will earn an A, B, C, D, F, or W. Scholarly exchange prepares the baccalaureate nurse to understand the language of research and the scientific process through evaluation of quantitative, qualitative, and mixed method research methodology as a foundation for evidence-based practice in the healthcare setting. This course will investigate research methods and findings and promote appraisal skills to support evidence-based, patient-centered care, quality improvement, and safety outcomes. Requires computer/web access.

NURS-4160. Community & Public Health Clinical. (1 Credits)

(1-0-0-3) This course is taken for academic credit. (Prerequisites: NURS 3350, NURS 3301, NURS 4314 and NURS 3326) Students will earn an A, B, C, D, F, or W. This course provides a health-related work-based learning experience within the community setting. Requires computer/web access. Lab fee.

NURS-4161. Leadership & Management Clinical. (1 Credit)

(1-0-0-3) This course is taken for academic credit. (Prerequisite: Prerequisites: NURS 3350, NURS 3301, NURS 4314 and NURS 3326) Students will earn an A, B, C, D, F, or W. This course provides a health-related work-based learning experience in a variety of settings that allow the student to apply theories, skills, and concepts related to the role of nursing leader and manager. Requires computer/web access. Lab fee.

NURS-4313. Theoretical Principles of Nursing. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisite: Acceptance into the RN-to-BSN Program) Students will earn an A, B, C, D, F, or W. This course examines the theoretical and conceptual bases of nursing to encourage the student to critique, evaluate and utilize appropriate nursing theory within their own practice. Focus will be on a variety of theories from nursing. Requires computer/web access.

NURS-4326. Legal & Ethical Considerations in Nursing. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisite: Acceptance into the RN-to-BSN Program) Students will earn an A, B, C, D, F, or W. This course for the registered nurse (RN) synthesizes ethical/legal concepts required for examination of sound decision making in clinical practice and legal responsibility. The focus is on value clarification, application of ethical theory, ethical decision-making models, and professional ethical standards. Emphasis is on ethical obligations of professional nurses in their roles as citizens, members of a profession, providers of care, and designers and managers of care. Requires computer/web access.

NURS-4345. Health Policy & Regulation. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisite: Prerequisites: NURS 3350, NURS 3301, NURS 4314 and NURS 3326) Students will earn an A, B, C, D, F, or W. This course examines how healthcare policy and regulatory environments influence nursing practice and the delivery of health care. Emphasis is on the development and implementation of healthcare policy. Opportunities for nurse participation and influence in healthcare policy are identified. Requires computer/web access.

NURS-4355. Community & Public Health. (3 Credits)

(3-3-0-0) This course is taken for academic credit. (Prerequisite: Prerequisites: NURS 3350, NURS 3301, NURS 4314 and NURS 3326) Students will earn an A, B, C, D, F, or W. This course discusses community health nursing including the history, structure, and economics of community healthcare systems, program development, and impact of health disparities, health education, and access to resources. Requires computer/web access.

NURS-4457. Leadership & Management. (4 Credits)

(4-3-1-0) This course is taken for academic credit. (Prerequisite: Prerequisites: NURS 3350, NURS 3301, NURS 4314 and NURS 3326) Students will earn an A, B, C, D, F, or W. This course explores leadership and management theories, resource allocation, the nurse as a change agent, member of the profession, communication, and quality improvement in the healthcare setting. Requires computer/web access. Lab fee.

Nursing Occupational Outlook

WHAT REGISTERED NURSES DO

Registered nurses (RNs) provide and coordinate patient care and educate patients and the public about various health conditions.

SUMMARY

- 2023 Median Pay: \$86,070 per year; \$41.38 per hour
- Typical Entry-Level Education: Bachelor's degree
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2022: 3,172,500
- Job Outlook, 2021-31: 6% (Faster average)
- Employment Change, 2022-32: 177,400

WORK ENVIRONMENT

Registered nurses work in hospitals, physicians' offices, home healthcare services, and nursing care facilities. Others work in outpatient clinics and schools.

HOW TO BECOME A REGISTERED NURSE

Registered nurses usually take one of three education paths: a bachelor's degree in nursing, an associate's degree in nursing, or a diploma from an approved nursing program. Registered nurses must be licensed.

PAY

The median annual wage for registered nurses was \$86,070 in May 2023.

JOB OUTLOOK

Employment of registered nurses is projected to grow 6 percent from 2022 to 2032, about as fast as the average for all occupations. About 193,100 openings for registered nurses are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

STATE & AREA DATA

Explore resources for employment and wages by state and area for registered nurses.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of registered nurses with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about registered nurses by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Registered Nurses,
at <https://www.bls.gov/ooh/healthcare/registered-nurses.htm> (visited *July 07, 2024*).

Pharmacy

Pharmacy Technician Program Information

TVCC's pharmacy technician program offers a cooperative arrangement with area hospitals, retail and mail order, and long-term care pharmacies. Students will learn how to prepare medications, prepare non-sterile compounded products as well as sterile compounded products, provide customer service, maintain patient profiles, assist the pharmacist with medication therapy management, and facilitate insurance claims. The program is designed to provide understanding, proficiency, and specific skills in the field of pharmacy technology.

There is a selection process for this program. It is the student's responsibility to read the current health occupations brochure or contact an advisor regarding the current process. The deadline for completing all pre-admission testing requirements and submitting the online application is **June 1**.

The pharmacy technician program conducted by Trinity Valley Community College, Athens & Terrell HSC, Texas is accredited by the American Society of Health-System Pharmacists and the Accreditation Council for Pharmacy Education.

Students must register with the Texas State Board of Pharmacy as an active pharmacy technician-trainee after admission into the program.

Upon completion of all courses in the program, students will be eligible to take the National Pharmacy Technician Certification Examination which is administered by the Pharmacy Technicians Certification Board (PTCB). Students enrolled in the program will also become certified in the preparation of intravenous admixtures.

The program curriculum is a balance of approved didactic, simulated lab, and practicum/clinical courses which offer the student an opportunity for educational development as well as occupational competence during the program. The program is offered in a hybrid format with didactic portions online and lab/clinical experiences face-to-face.

Note: Criminal history may disqualify individuals from obtaining or maintaining pharmacy technician certifications.

While applicants with a criminal history are not disqualified from taking the certifying exam, a candidate may be disqualified for PTCB Certification upon the disclosure or discovery of:

- Criminal conduct involving the candidate;
- State Board of Pharmacy registration or licensure action involving the candidate;
- Violation of a PTCB Certification Policy, including but not limited to, the Code of Conduct (available on PTCB website).

PTCB reserves the right to investigate criminal background, verify candidate eligibility, and deny certification to any individual. Once certified, PTCB CPhTs must report the following to the PTCB for review: any felony conviction, drug or pharmacy-related violations, or State Board of Pharmacy action taken against their license or registration at the occurrence and at the time of recertification.

- Pharmacy Technician AAS Degree (p. 453)
- Pharmacy Technician Certificate (p. 455)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Pharmacy Technician AAS Degree

The pharmacy technician program is a two-year, 60-credit hour curriculum leading to an associate of applied science degree with advanced level skills as a pharmacy technician.

- Degree Type: AAS
- Pharmacy Tech is offered on the Terrell Health Science Center campus and Athens campus with videoconferencing for classroom presentations.
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs, and schedules.

Course	Title	Hours
Term One		
PHRA-1202	Pharmacy Law	2
PHRA-1201	Introduction to Pharmacy	2
PHRA-1305	Drug Classification	3
PHRA-1309	Pharmaceutical Mathematics I	3
PHRA-1313	Community Pharmacy Practice	3
PHRA-1349	Institutional Pharmacy Practice	3
Hours		16
Term Two		
PHRA-1345	Compounding Sterile Preparations	3
PHRA-1441	Pharmacy Drug Therapy and Treatment	4
PHRA-1243	Pharmacy Technician Certification Review	2
PHRA-1360	Clinical, Pharmacy Technician/Assistant	3
Hours		12
Term Three		
BIOL-2401	Anatomy and Physiology I	4
PSYC/EDUC-1300	Learning Frameworks	3
ENGL-1301	Composition I	3
SPCH-1315	Public Speaking	3
or SPCH-1321	or Business and Professional Communication	
Lang, Phil, Culture/Creative Arts		3
Hours		16
Term Four		
BIOL-2402	Anatomy and Physiology II	4
BMGT-1327	Principles of Management	3
PSYC-2301	General Psychology	3
Elective from TVCC's Core Curriculum		3
Elective from TVCC's Core Curriculum		3
Hours		16
Total Hours		60

A grade of 75 or better is required in all PHRA courses in order to remain in the program.

Pharmacy Technician Certificate

The pharmacy technician program is a two semester program leading to a level one certificate with advanced level skills as a pharmacy technician.

- Degree Type: Certificate
- Pharmacy Tech is offered on the Terrell Health Science Center campus and Athens campus with videoconferencing for classroom presentations
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program, including the selection process, immunization requirements, estimated costs and schedules.
- This program is not designed to transfer.

This program leads to the Pharmacy Technician AAS degree.

Course	Title	Hours
Term One		
PHRA-1202	Pharmacy Law	2
PHRA-1201	Introduction to Pharmacy	2
PHRA-1305	Drug Classification	3
PHRA-1309	Pharmaceutical Mathematics I	3
PHRA-1313	Community Pharmacy Practice	3
PHRA-1349	Institutional Pharmacy Practice	3
Hours		16
Term Two		
PHRA-1345	Compounding Sterile Preparations	3
PHRA-1441	Pharmacy Drug Therapy and Treatment	4
PHRA-1243	Pharmacy Technician Certification Review	2
PHRA-1360	Clinical, Pharmacy Technician/Assistant	3
Hours		12
Total Hours		28

A grade of 75 or better is required in all PHRA courses in order to remain in the program.

Pharmacy Pathway Courses

PHRA-1201. Introduction to Pharmacy. (2 Credits)

(2-2-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of the qualifications, operational guidelines, and job duties of a pharmacy technician. Lab fee.

PHRA-1202. Pharmacy Law. (2 Credits)

(2-2-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Overview of federal and state laws governing the practice of pharmacy. The role of the pharmacy technician and the pharmacist and their associated responsibilities. Includes Code of Ethics, patient confidentiality, and a comparison of legal and ethical aspects. Lab fee.

PHRA-1243. Pharmacy Technician Certification Review. (2 Credits)

(2-2-1) This course is taken for academic credit. (Prerequisite: PHRA 1202, 1201, 1205, 1309, 1313, 1349) Students will earn an A, B, C, D, F, or W. A review of major topics covered on the national Pharmacy Technician Certification Examination (PTCE). Lab fee \$193 includes skills lab fee, practice certification exam and national certification fee.

PHRA-1305. Drug Classification. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of pharmaceutical drugs, abbreviations, classifications, dosages, side effects, and routes of administration. Lab fee.

PHRA-1309. Pharmaceutical Mathematics I. (3 Credits)

(3-2-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Solving pharmaceutical calculation problems encountered in the preparation and distribution of drugs. Lab fee.

PHRA-1313. Community Pharmacy Practice. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the skills necessary to process, prepare, label, and maintain records of prescriptions in a community pharmacy to include customer service, count and pour techniques, prescription calculations, drug selection and preparation, over-the-counter drugs, inventory management and legal parameters. Lab fee \$74 includes skills lab fee and drug screening. Fee is subject to change.

PHRA-1345. Compounding Sterile Preparations. (3 Credits)

(3-1-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The process of compounding sterile preparations and aseptic technique within legal and regulatory guidelines specified by USP <797> standards. Lab fee \$170 includes skills lab fee and sterile compounding fee.

PHRA-1349. Institutional Pharmacy Practice. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of the diverse roles and practice of pharmacy technicians in an institutional pharmacy setting. In-depth coverage of hospital pharmacy organization, work flow and personnel, safety techniques, data entry, packaging and labeling operations, inpatient drug distribution systems including investigational drugs, continuous quality improvement and inventory control. Lab fee.

PHRA-1360. Clinical, Pharmacy Technician/Assistant. (3 Credits)

(3-0-0-18) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Lab fee \$48 includes professional liability insurance.

PHRA-1441. Pharmacy Drug Therapy and Treatment. (4 Credits)

(4-3-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of therapeutic agents, their classifications, properties, actions, and effects on the human body and their role in the management of disease. Lab fee.

A grade of 75 or better is required in all PHRA courses in order to remain in the program.

Pharmacy Occupational Outlook

What Pharmacy Technicians Do

Pharmacy technicians help pharmacists dispense prescription medication to customers or health professionals.

SUMMARY

- 2023 Median Pay: \$40,300 per year; \$19.37 per hour
- Typical Entry-Level Education: High school diploma or equivalent
- Work Experience in a Related Occupation: None
- On-the-job Training: Moderate-term on-the-job training
- Number of Jobs, 2023: 459,600
- Job Outlook, 2022-32: 6% (Faster average)
- Employment Change, 2022-32: 25,900

Work Environment

Pharmacy technicians work in pharmacies, including those found in drug, general merchandise, and grocery stores, and in hospitals. Most work full-time, but many work part-time.

How to Become a Pharmacy Technician

Pharmacy technicians usually need a high school diploma or equivalent and learn their duties through on-the-job training, or they may complete a postsecondary education program in pharmacy technology. Most states regulate pharmacy technicians, which is a process that may require passing an exam or completing a formal education or training program.

Pay

The median annual wage for pharmacy technicians was \$40,300 in May 2023.

Job Outlook

Employment of pharmacy technicians is projected to grow 5 percent from 2022 to 2032, about as fast as the average for all occupations. Increased demand for prescription medications will lead to more demand for pharmaceutical services.

State & Area Data

Explore resources for employment and wages by state and area for pharmacy technicians.

Similar Occupations

Compare the job duties, education, job growth, and pay of pharmacy technicians with similar occupations.

More Information, Including Links to O*NET

Learn more about pharmacy technicians by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Pharmacy Technicians, at <https://www.bls.gov/ooh/healthcare/pharmacy-technicians.htm> (visited July 26, 2024).

Skilled Care

Clinical Medical Assistant Program Information

The Clinical Medical Assistant Certificate Program provides training to individuals who support physicians, medical professionals and medical programs. A clinical medical assistant works with both direct patient care (back office) and in medical administrative support (front office) positions.

There is not a selection process for the clinical medical assistant program (certificate or OSAs). Students will register for the classes on a first-come, first-served basis, as long as the course prerequisites or corequisites are met.

State and national medical industry certifications: Students successfully completing specific credit and/or non-credit courses may participate in Texas and national medical industry certification exams:

- State of Texas nurse aide certification (CNA) – upon completion of NURA-1307 Body Systems and NURA-1160 Clinical, Nursing Assistant/Aide and Patient Care Asst/Aide
- Phlebotomy technician – national medical industry certification (CPT) – upon completion of PLAB-1323 Phlebotomy, and PLAB-1171 Phlebotomy Lab.
- Certified clinical medical assistant - national medical industry certification (CCMA) – upon completion of:

Code	Title	Hours
HPRS-1105	Essentials of Medical Law/Ethics for Health Professionals	1
NURA-1307	Body Systems	3
MDCA-1317	Procedures in a Clinical Setting	3
MDCA-1348	Pharmacology & Administration of Medications	3
MDCA-1452	Medical Assistant Laboratory Procedures	4
		or
		3
or PLAB-1323	Phlebotomy	
MDCA-1160	Clinic Med Assist	1
MDCA-1254	Medical Assisting Credentialing Exam Review	2
Choose elective from approved list		

Note: Criminal history may disqualify individuals from obtaining or maintaining medical/nursing assistant certifications and/or employment opportunities.

- Prior to determining employability, facilities and agencies must check an applicant's criminal history, Nurse Aide Registry status and Employee Misconduct Registry status.
- The Nurse Aide Training and Competency Evaluation Program (NATCEP) is required to check both the Employee Misconduct Registry (EMR) and the Nurse Aide Registry (NAR) and to conduct a criminal history background check for all applicants. Applicants found to be listed on the Employee Misconduct Registry (EMR), or who are listed on the Nurse Aide Registry (NAR) in "revoked" status, or who have a criminal history that would bar employment in a Health and Human Services (HHS) licensed facility or agency are prohibited from enrolling in a nurse aide training program.

Credit by Evaluation for Prior Learning Assessments/Certifications

A student may receive credit for successfully earning one or more of the certifications listed below. To receive credit, a student must have completed 12 semester credit hours with TVCC, present proof that he/she has passed the certifying exam listed, complete and submit a course credit form, and pay the processing fees. Please see an academic advisor for more information or contact the Terrell Health Science Center counselor.

- Nurse Aide Certification (CNA) awarded by the State of Texas Department of Health and Human Services can be substituted for both NURA-1401 Nurse Aide for Health Care and NURA-1160 Clinical, Nursing Assistant/Aide and Patient Care Asst/Aide for a total of 5 credits
- Medication Aide Certification (CMA) awarded by the State of Texas Department of Aging and Disability Services can be substituted for MDCA-1348 Pharmacology & Administration of Medications for a total of 3 credits
- American Society of Clinical Pathology (ASCP), Phlebotomy Technician awarded by the American Society of Clinical Pathologists can be substituted for PLAB-1323 Phlebotomy.
- National Health Careers Association, Certified Phlebotomy Technician and documentation of the completion of a minimum of 30 successful live blood draws can be substituted for PLAB-1323 Phlebotomy and PLAB-1171 Phlebotomy Lab.

Program entrance requirements (See individual course syllabi) – Students must:

1. Meet essential standards for visual acuity, auditory perception with corrective devices, appropriate physical ability and stamina including manual dexterity of gross motor and fine motor skills and coordination needed for training/employment when participating in clinical courses;
2. Provide current immunization documentation prior to participating in clinical activities;
3. Provide a current negative TB test;
4. Provide an acceptable criminal history background check (no felony convictions);
5. Follow the Health Occupations drug screening policy. Course syllabi contain specific information and requirements.

PCT Skilled Care Program Information

This program is designed to educate and train individuals to function as nursing support personnel in the hospital who are above the level of a nursing assistant but below the level requiring licensure.

There is a selection process for this program. It is the student's responsibility to read the current health occupations brochure or contact an advisor regarding the current process. The brochure includes information about the selection process, immunization requirements, and estimated costs, etc. The deadline for submitting the online application is **May 14th** for the fall semester and **October 14th** for the spring semester. Check with the Terrell Health Science Center counselor to see if late applications are being accepted.

Students must meet current hepatitis B vaccination requirements to be able to enroll in PCT courses.

Note: Criminal history may disqualify individuals from obtaining or maintaining employment and/or certification as a nursing assistant.

Before hiring a Certified Nurse Aide, employers in a regulated facility/agency are required to check if an applicant is employable, meaning they are not listed on the Employee Misconduct Registry, have not been revoked on the Nurse Aide Registry, or do not have a criminal conviction that is listed as an automatic bar to employment in the Health and Safety Code Chapter 250 found at <http://www.statutes.legis.state.tx.us/Docs/HS/htm/HS.250.htm>.

- Clinical Medical Assistant Certificate (p. 463)
- Clinical Medical Assistant OSA (p. 465)
- Nurse Aide for Health Care OSA (p. 466)
- Patient Care Technology Certificate (p. 467)
- Phlebotomy OSA (p. 468)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Clinical Medical Assistant Certificate

- Degree Type: Certificate
- Clinical Medical Assistant courses are offered on the Athens campus, Terrell Health Science Center and at some high schools.
- TSI (p. 48): not required
- See the current Health Occupations brochure for more information about the program including immunization requirements, estimated costs and schedules.

This program is not designed to transfer.

Course	Title	Hours
Term One		
HPRS-1105	Essentials of Medical Law/Ethics for Health Professionals	1
NURA-1307	Body Systems	3
MDCA-1317	Procedures in a Clinical Setting	3
MDCA-1452 or PLAB-1323	Medical Assistant Laboratory Procedures or Phlebotomy	4
MDCA-1348	Pharmacology & Administration of Medications	3
Hours		14
Term Two		
MDCA-1254	Medical Assisting Credentialing Exam Review	2
MDCA-1260 Clinical - Medical/Clinical Assistant		2
Approved Elective from list		2
Hours		6
Total Hours		20

Clinical Medical Assistant (CMA) Certificate Electives

Code	Title	Hours
NURA-1401	Nurse Aide for Health Care	4
NURA-1160	Clinical, Nursing Assistant/Aide and Patient Care Asst/Aide	1
MDCA-1321	Administrative Procedures	3
MDCA-1313	Medical Terminology	3
ECRD-1211	Electrocardiograph	2
PLAB-1171	Phlebotomy Lab	1

A grade of 75 or better is required in all courses to progress in the program.

Advising note - For students transitioning from previous CMA curriculum:

- HPRS-1105 Essentials of Medical Law/Ethics for Health Professionals or NURA-1307 should be taken before or with MDCA-1317 Procedures in a Clinical Setting, MDCA-1348 Pharmacology & Administration of Medications and MDCA-1452 Medical Assistant Laboratory Procedures
- MDCA-1260 and MDCA-1254 should be taken concurrently.
- MDCA-1317 and MDCA-1452 or PLAB 1321 should be taken before MDCA-1160.
- NURA-1401 and 1160 should be taken concurrently.
- PLAB-1323 is a pre-requisite for PLAB-1171.

Clinical Medical Assistant OSA

- Degree Type: None awarded
- Not all courses offered online
- TSI (p. 48): not required

Occupational skills achievement awards (OSA) are locally approved sequences of credit courses totaling 9-14 semester credit hours (SCH). The goal of the award is to provide entry level employment skills within a shortened period of time.

Characteristics of occupational skills achievement awards include the following:

- Prepare students for employment in accordance with guidelines for the Workforce Investment Opportunity Act
- TSI is waived—no pre-college exam required
- Recommended by the Medical/Nursing Assistant Advisory Committee

Course	Title	Hours
Term One		
MDCA-1348	Pharmacology & Administration of Medications	3
MDCA-1452 or PLAB-1323	Medical Assistant Laboratory Procedures Or Phlebotomy	4
MDCA-1317	Procedures in a Clinical Setting	3
Hours		10
Total Hours		10

Nurse Aide for Health Care OSA

Nursing assistants, sometimes called *nursing aides*, help provide basic care for patients in hospitals and residents of long-term care facilities, such as nursing homes. Nursing assistants transport patients and clean treatment areas.

- Degree Type: None awarded
- Not all courses offered online
- Nurse Aide OSA offered on the Athens campus and some area high schools
- TSI (p. 48): not required

This program is not designed to transfer.

Occupational skills achievement awards (OSA) are locally approved sequences of credit courses totaling 9-14 semester credit hours (SCH). The goal of the award is to provide entry level employment skills within a shortened period of time.

Characteristics of occupational skills achievement awards include the following:

- Prepare students for employment in accordance with guidelines for the Workforce Investment Opportunity Act
- TSI is waived—no pre-college exam required
- Recommended by the Medical/Nursing Assistant Advisory Committee

Course	Title	Hours
Term One		
HPRS-1105	Essentials of Medical Law/Ethics for Health Professionals	1
NURA-1160	Clinical, Nursing Assistant/Aide and Patient Care Asst/Aide	1
NURA-1307	Body Systems	3
NURA-1401	Nurse Aide for Health Care	4
Hours		9
Total Hours		9

A grade of 75 or better is required in all courses in order to progress in the program.

Patient Care Technology Certificate

This one-semester certificate program is designed to educate and train individuals to function as nursing support personnel who are above the level of nursing assistant but below the level requiring licensure. The major focus is the role of the PCT in the hospital setting.

- Degree Type: Certificate
- No courses are offered online
- PCT offered on the Terrell Health Science campus
- TSI (p. 48): not required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs, and schedules.
- The application period to apply for the fall semester is May 14th - July 15th.
- The application period to apply for the spring semester is September 1st - October 14th.
- Check with the Terrell Health Science Center advisor to see if late applications are being accepted.

This program is not designed to transfer.

Course	Title	Hours
Term One		
NURA-1401	Nurse Aide for Health Care	4
NURA-1307	Body Systems	3
NUPC-1164	Practicum, Patient Care Assistant/Aide	1
HPRS-1106	Essentials of Medical Terminology	1
HPRS-1105	Essentials of Medical Law/Ethics for Health Professionals	1
NUPC-1320	Patient Care Tech	3
ECRD-1111	Electrocardiograph	1
MDCA-1210	Medical Assistant Interpersonal Communication Skills	2
Hours		16
Total Hours		16

A grade of 75 or better is required in all PCT courses in order to graduate.

Phlebotomy OSA

Phlebotomists draw blood for tests, transfusions, research, or blood donations. They provide assistance when patients have adverse reactions after their blood is drawn.

- Degree Type: None awarded
- Not all courses offered online
- Phlebotomy OSA offered on the Athens and Terrell HSC campuses
- TSI (p. 48): not required

This program is not designed to transfer.

Occupational skills achievement awards (OSA) are locally approved sequences of credit courses totaling 9-14 semester credit hours (SCH). The goal of the award is to provide entry level employment skills within a shortened period of time.

Characteristics of occupational skills achievement awards include the following:

- Prepare students for employment in accordance with guidelines for the Workforce Investment Opportunity Act.
- TSI is waived—no pre-college exam required.
- Recommended by the Medical/Nursing Assistant Advisory Committee

Course	Title	Hours
Term One		
HPRS-1105	Essentials of Medical Law/Ethics for Health Professionals	1
NURA-1307	Body Systems	3
PLAB-1323	Phlebotomy	3
PLAB-1171	Phlebotomy Lab	1
CMA Program Elective		1
Hours		9
Total Hours		9

A grade of 75 or better is required in all courses to progress in the program.

Skilled Care Pathway Courses

ECRD-1111. Electrocardiograph. (1 Credit)

(1-0-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. Lab fee.

ECRD-1211. Electrocardiograph. (2 Credits)

(2-1-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of cardiovascular anatomy and physiology. Includes basic electrocardiography procedures, interpretation of basic dysrhythmias, and appropriate treatment modalities. Lab fee.

HPRS-1106. Essentials of Medical Terminology. (1 Credit)

(1-1-1-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of medical terminology, word origin, structure and application. Lab fee.

HPRS-1105. Essentials of Medical Law/Ethics for Health Professionals. (1 Credit)

(1-1-0-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the relationship between legal aspects and ethics in health care, with emphasis on the ethical and legal responsibilities of health care professionals. Lab fee.

MDCA-1160. Clinic Med Assist. (1 Credit)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Lab fee \$87 includes professional liability insurance and drug screen.

MDCA-1210. Medical Assistant Interpersonal Communication Skills. (2 Credits)

(2-1-4-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Emphasis on the application of basic psychological principles and the study of behavior as they apply to special populations. Topics include procedures for self-understanding and social adaptability in interpersonal communication with patients and co-workers in an ambulatory care setting. Lab fee.

MDCA-1254. Medical Assisting Credentialing Exam Review. (2 Credits)

(2-2-1-0) This course is taken for academic credit. (Prerequisite: MDCA 1417) Students will earn an A, B, C, D, F, or W. A preparation for one of the National Commission for Certifying Agencies NCCA recognized credentialing exams. Lab fee.

MDCA-1313. Medical Terminology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study and practical application of a medical vocabulary system. Includes structure, recognition, analysis, definition, spelling, pronunciation, and combination of medical terms from prefixes, suffixes, roots and combining forms.

MDCA-1317. Procedures in a Clinical Setting. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Emphasis on patient assessment, examinations, and treatment as directed by a physician. Includes vital signs, collection and documented of patient information, asepsis, office clinical procedures and other treatments as appropriate for ambulatory case settings. Computer with web access is required. Lab fee.

MDCA-1321. Administrative Procedures. (3 Credits)

(3-2-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Medical office procedures including appointment scheduling, medical records creation and maintenance, interpersonal communications, bookkeeping tasks, coding, billing, collecting, third party reimbursement, credit arrangements, and computer use in the medical office. Computer/web access required. Lab fee.

MDCA-1348. Pharmacology & Administration of Medications. (3 Credits)

(3-2-4-0) This course is taken for academic credit. (Prerequisite: HRPS 1105 and NURA 1407) Students will earn an A, B, C, D, F, or W. Instruction in concepts and application of pharmacological principles. Focuses on drug classifications, principles and procedures of medication administration, mathematical systems and conversions, calculation of drug problems, and medico-legal responsibilities of the medical assistant. Lab fee.

MDCA-1452. Medical Assistant Laboratory Procedures. (4 Credits)

(4-3-3-0) This course is taken for academic credit. (Prerequisite or Corequisite: HRPS 1105 and NURA 1407) Students will earn an A, B, C, D, F, or W. Application of governmental health care guidelines. Includes specimen collection and handling, quality assurance and quality control in performance of Clinical Laboratory Improvement Amendments (CLIA) waived laboratory testing. Lab fee.

NUPC-1164. Practicum, Patient Care Assistant/Aide. (1 Credit)

(1-0-0-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practical, general workplace training supported by an individualized learning plan developed by the employer, college and student. Lab fee \$52 includes drug screen and professional liability insurance.

NUPC-1320. Patient Care Tech. (3 Credits)

(3-2-4-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Training, skills, and knowledge needed to gain employment as a patient care technician in a hospital setting. Lab fee.

NURA-1160. Clinical, Nursing Assistant/Aide and Patient Care Asst/Aide. (1 Credit)

(1-0-0-6) This course is taken for academic credit. (Prerequisite: See health occupations advisor) Students will earn an A, B, C, D, F, or W. A health related work-based learning experience that enables the student to apply specialized occupational theory skills and concepts. Direct supervision is provided by the clinical professional. Lab fee \$87 includes professional liability insurance and drug screening.

NURA-1307. Body Systems. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A basic study of the structures and functions of the human body. Lab fee.

NURA-1401. Nurse Aide for Health Care. (4 Credits)

(4-3-4-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Knowledge, skills, and abilities essential to provide basic care to patients of long-term care facilities. Topics include resident's rights, communication, safety. Emphasis on observation, reporting, and assisting students in maintaining basic comfort and safety with emphasis on effective interaction with restorative services, mental health, and social service needs. Lab fee.

PLAB-1171. Phlebotomy Lab. (1 Credit)

(1-0-4-0) This course is taken for academic credit. (Prerequisite: PLAB 1323) Students will earn an A, B, C, D, F, or W. Continued skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions to prepare the student for eligibility for national NHA phlebotomy certificate. Lab fee \$85 includes lab supplies.

PLAB-1323. Phlebotomy. (3 Credits)

(3-2-4-0) This course is taken for academic credit. (Prerequisite: See health occupations advisor) Students will earn an A, B, C, D, F, or W. Skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions. Includes vacuum collection devices, syringes, capillary skin puncture, butterfly needles and blood culture, and specimen collection on adults, children and infants. Emphasis on infection prevention, patient identification, specimen labeling, quality assurance, specimen handling, processing, accessioning, professionalism, ethics, and medical terminology. Lab fee \$95 includes lab supplies and drug screening.

TECM-1303. Technical Calculations. (3 Credits)

(3-3-0-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Specific mathematical calculations required by business, industry, and health occupations.

A grade of 75 or better is required in all courses in order to remain in the program.

Skilled Care Occupational Outlook

What Nursing Assistants and Orderlies Do

Nursing assistants provide basic care and help patients with activities of daily living.

Orderlies transport patients and clean treatment areas.

SUMMARY

- 2020 Median Pay: \$30830 per year; \$14.82 per hour
- Typical Entry-Level Education: See How to Become One
- Work Experience in a Related Occupation: None
- On-the-job Training: See How to Become One
- Number of Jobs, 2020: 1,440,700
- Job Outlook, 2020-30: 8% (Faster than average)
- Employment Change, 2019-29: 118,500

Work Environment

Most nursing assistants and orderlies work in nursing and residential care facilities and in hospitals. They are physically active and may need to help lift or move patients.

How to Become a Nursing Assistant or Orderly

Nursing assistants often need to complete a state-approved education program and pass their state's competency exam to become licensed or certified. Orderlies typically have at least a high school diploma.

Pay

The median annual wage for nursing assistants was \$30,850 in May 2020.

The median annual wage for orderlies was \$30,030 in May 2020.

Job Outlook

Overall employment of nursing assistants and orderlies is projected to grow 8 percent from 2020 to 2030, faster than the average for all occupations. As the baby-boom population ages, nursing assistants and orderlies will be needed to help care for an increasing number of older patients.

State & Area Data

Explore resources for employment and wages by state and area for nursing assistants and orderlies.

Similar Occupations

Compare the job duties, education, job growth, and pay of nursing assistants and orderlies with similar occupations.

More Information, Including Links to O*NET

Learn more about nursing assistants and orderlies by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Nursing Assistants and Orderlies, on the Internet at <https://www.bls.gov/ooh/healthcare/nursing-assistants.htm> (visited *March 4, 2022*).

Surgical Technology

Program Information

Surgical technologists are allied health professionals who are an integral part of the team of medical practitioners, providing surgical care to patients in various settings. The surgical technologist works under the medical supervision of a surgeon to ensure that the operating room environment is safe, that equipment functions properly, and that the operative procedure is conducted under conditions that maximize patient safety.

Graduates of this program are required to take the National Certification Surgical Technology exam.

The TVCC SGT program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Accreditation Review Committee on Education in Surgical Technology and Surgical Assisting (ARC/STSA).

Commission on Accreditation of Allied Health Education Programs
9355 - 113th St. N, #7709
Seminole, FL 33775
www.caahep.org

There is a selection process for this program. It is the student's responsibility to read the current health occupations brochure. Students may apply if they expect to complete the prerequisite courses or become TSI complete by the end of the fall semester.

The deadline for completing all pre-admission testing requirements and submitting the online application is **December 1**. Applicants will have until January 31 to submit fall semester transcripts and TSI (p. 48) completion documentation.

Note: Criminal history may disqualify individuals from obtaining or maintaining surgical technologist certifications.

Surgical technology graduates become Certified Surgical Technologists (CST) by passing the National Board of Surgical Technology and Surgical Assisting (NBSTSA) certifying exam. At present, NBSTSA does not disqualify applicants with a criminal history from taking the certifying exam and becoming a CST; however, criminal history may disqualify individuals from obtaining employment as a surgical technologist.

- Surgical Technology AAS Degree (p. 476)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Surgical Technology AAS Degree

The Surgical Technology (SGT) AAS program is a two-year, 60-credit hour curriculum leading to an associate of applied science degree.

- Degree Type: AAS
- Surgical Tech is offered on the Terrell Health Science Center campus.
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs, and schedules.
- Students must complete 4 of 5 pre-requisites before starting the SRGT courses: BIOL 2401, BIOL 2402, MDCA 1313, ENGL 1301 and PSYC 2301 or 2314. The remaining course must be completed concurrently with the first semester of SRGT courses.

Course	Title	Hours
Term One		
BIOL-2401	Anatomy and Physiology I	4
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		7
Term Two		
BIOL-2402	Anatomy and Physiology II	4
MDCA-1313	Medical Terminology	3
PSYC-2314	Lifespan Growth and Development	3
ENGL-1301	Composition I	3
Hours		13
Term Three		
BIOL-2420	Microbiology for Non-Science Majors	4
PSYC-2301	General Psychology	3
BCIS-1305	Business Computer Applications	3
Lang, Phil, Culture/Creative Arts		3
Hours		13
Term Four		
SRGT-1405	Introduction to Surgical Technology	4
SRGT-1409	Fundamentals of Perioperative Concepts And Techniques	4
SRGT-1260	Clinical I	2
Elective		1
Hours		11
Term Five		
SRGT-1441	Surgical Procedures I	4
SRGT-1442	Surgical Procedures II	4
SRGT-2461	Clinical II	4
SRGT-2462	Clinical III	4
Hours		16
Total Hours		60

Note: PSYC-2301 General Psychology may be used as prerequisite instead of PSYC-2314 Lifespan Growth and Development, but both are required for the AAS degree.

A grade of 75 or better must be attained in each surgical technology course.

Surgical Technology Pathway Courses

SRGT-1260. Clinical I. (2 Credits)

(2-0-0-8) This course is taken for academic credit. (Prerequisite: Admission to the surgical technology program and grade of C or better in BIOL 2401) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee \$87 includes professional liability insurance and drug screen.

SRGT-1405. Introduction to Surgical Technology. (4 Credits)

(4-2-2-0) This course is taken for academic credit. (Prerequisite: Admission to the surgical technology program and grade of C or better in BIOL 2401) Students will earn an A, B, C, D, F, or W. Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences and patient care concepts. Lab fee includes exam prep packages.

SRGT-1409. Fundamentals of Perioperative Concepts And Techniques. (4 Credits)

(4-2-6-0) This course is taken for academic credit. (Prerequisite: Admission to the surgical technology program and grade of C or better in BIOL 2401) Students will earn an A, B, C, D, F, or W. In-depth coverage of perioperative concepts such as aseptic principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field. Lab fee.

SRGT-1441. Surgical Procedures I. (4 Credits)

(4-4-0-0) This course is taken for academic credit. (Prerequisite: SRGT 1405, 1409 and 1260) Students will earn an A, B, C, D, F, or W. Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, OB/GYN, genitourinary, otorhinolaryngology and orthopedic surgical specialties incorporating instruments, equipment and supplies required for safe patient care. Lab Fee \$50 includes CST practice exam.

SRGT-1442. Surgical Procedures II. (4 Credits)

(4-4-0-0) This course is taken for academic credit. (Prerequisite: SRGT 1405, 1409 and 1260) Students will earn an A, B, C, D, F, or W. Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to cardiothoracic, peripheral vascular, plastic/reconstructive, ophthalmology, oral/maxillofacial and neurological surgical specialties incorporating instruments, equipment and supplies required for safe patient care. Lab fee \$247 includes AST certification exam fee, exam prep materials, and AST membership.

SRGT-2461. Clinical II. (4 Credits)

(4-0-0-16) This course is taken for academic credit. (Prerequisite: SRGT 1405, 1409 and 1260) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee.

SRGT-2462. Clinical III. (4 Credits)

(4-0-0-16) This course is taken for academic credit. (Prerequisite: SRGT 1405, 1409 and 1260) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee.

A grade of 75 or better must be attained in each surgical technology course.

What surgical assistants and Surgical Technologists Do

Surgical assistants and technologists assist in surgical operations.

SUMMARY

- 2023 Median Pay: \$60,370 per year; \$29.03 per hour
- Typical Entry-Level Education: Postsecondary nondegree award
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2021: 128,900
- Job Outlook, 2021-31: 5% (Faster than average)
- Employment Change, 2021-31: 7,000

Work Environment

Most surgical assistants and surgical technologists work in hospitals. They spend much of their time on their feet.

How to Become a Surgical Technologist

Surgical assistants and surgical technologists typically need a postsecondary nondegree award or an associate degree. Certification can be beneficial in finding a job. A small number of states regulate surgical assistants and surgical technologists.

Pay

The median annual wage for surgical assistants was \$59,160 in May 2023.

The median annual wage for surgical technologists was \$60,610 in May 2031.

Job Outlook

Overall employment of surgical assistants and surgical technologists is projected to grow 5 percent from 2022 to 2032, faster than the average for all occupations.

About 8,600 openings for surgical assistants and technologists are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for surgical assistants and surgical technologists.

Similar Occupations

Compare the job duties, education, job growth, and pay of surgical assistants and surgical technologists with similar occupations.

More Information, Including Links to O*NET

Learn more about surgical assistants and surgical technologists by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Surgical Assistants and Technologists, at <https://www.bls.gov/ooh/healthcare/surgical-technologists.htm> (visited *August 03, 2024*).

Vocational Nursing

Vocational Nursing Program Information

The Vocational Nursing program is available to students in two locations:

Palestine (Fall entry) and Terrell HSC (Spring entry)

If approved by the Texas Board of Nursing, graduates of TVCC's VN Program are eligible to take the National Council Licensure Examination – PN to become licensed as a licensed vocational nurse (LVN).

There is a selection process for this program. It is the student's responsibility to read the current health occupations brochure or contact an advisor regarding the current process. Students may apply if they expect to complete the prerequisite courses or become TSI complete by the end of the fall semester.

Note: Criminal history may disqualify individuals from obtaining or maintaining nursing certifications.

All nursing VN applicants will be given instructions for obtaining fingerprints for an FBI criminal background check for the Texas Board of Nursing. These should be completed at least 90 days prior to the start of nursing classes as the student must be cleared by the Board of Nursing before the semester starts. The Board of Nursing will contact the student if a petition for a declaratory order concerning their eligibility to take the licensing examination (NCLEX-PN) is required. The student must have a "blue" card, a positive outcome letter or an eligibility letter (declaratory order) **before** starting classes. Students who need to complete this requirement will be sent an email in January with instructions. If the case must be sent to the enforcement division, the processing may take 6-24 months, so applicants must apply early. If a student is not able to start nursing courses due to waiting for a declaratory order, a space will be reserved for the following year pending a positive outcome from the Texas Board of Nursing.

Any nursing applicant who has been diagnosed with, treated, or hospitalized in the past five years for schizophrenia or other psychotic disorders, bipolar disorder, paranoid personality disorder, antisocial personality disorder, or borderline personality disorder, or addicted to or treated for the use of alcohol or any other drug within the past **five years**, must petition the Texas Board of Nursing for a declaratory order concerning their eligibility to take the licensing examination, the NCLEX-PN.

The Texas Board of Nursing can be reached at 512-305-7400. The application for a declaratory order can be downloaded from the BON website at http://www.bon.texas.gov/forms_declaratory_order.asp.

- Vocational Nursing Certificate - Palestine Campus (p. 483)
- Vocational Nursing Certificate - Terrell HSC Campus (p. 485)

VNSG-1119. Leadership and Professional Development. (1 Credit)

(1-1-1-0) This course is taken for academic credit. (Prerequisites: see advisor) Students will earn an A, B, C, D, F, or W. Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations and continuing education. Lab fee.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's vocational nursing certificate leads to the LVN-to-ADN Transition AAS degree. See an academic advisor for more information on this transfer opportunity.
- TVCC's LVN-to-ADN Transition AAS degree in nursing will lead to a Bachelor of Science (BS) degree in nursing with TVCC or other participating universities. TVCC's RN-to-BSN program is an affordable, accessible hybrid program that gives TVCC ADN graduates the opportunity to continue working with faculty with whom they are familiar. TVCC has entered into a "CABNET" (Consortium for Advancing Baccalaureate Nursing Education in Texas) agreement with several universities. These agreements list the general education requirements for the BSN degree at the participating universities. Upon completion of these general education courses and the ADN AAS degree as well passing the NCLEX-RN to become a RN, the graduate will need to complete the final 30 hours of upper division nursing courses at the selected college or university in the RN-to-BSN program (the majority of which can be done on-line). See an academic advisor for more information on this transfer opportunity.

Vocational Nursing Certificate - Palestine Campus

The program at the TVCC Palestine campus begins in the **fall** of each year.

The deadline for completing all pre-admission testing requirements and for submitting the online application is **December 1**.

Applicants will have until January 31 to submit fall semester transcripts. Students who become interested for this program after the deadline should check the website in April to see if late applications will be accepted in May.

- Degree Type: Certificate
- Fall Entry VN is offered on the Palestine campus
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs and schedules.
- **This program is not designed to transfer.**

This program leads to the LVN-to-ADN Transition AAS degree.

Course	Title	Hours
General Education		
PSYC-2314	Lifespan Growth and Development	3
BIOL-2404	Anatomy and Physiology	4
	Hours	7
Term One		
VNSG-1122	Vocational Nursing Concepts	1
VNSG-1231	Pharmacology	2
VNSG-1160	Clinical I	1
VNSG-1400	Nursing in Health and Illness I	4
VNSG-1472	Nursing Skills I	4
VNSG-2473	Nursing Skills II	4
	Hours	16
Term Two		
VNSG-1409	Nursing in Health and Illness II	4
VNSG-1230	Maternal-Neonatal Nursing	2
VNSG-1234	Pediatrics	2
VNSG-1461	Clinical IIa	4
VNSG-2214	Applied Nursing Skills III	2
	Hours	14
Term Three		
VNSG-2510	Nursing in Health and Illness III	5
VNSG-1262	Clinical IIIa	2
VNSG-1126	Gerontology	1
VNSG-1119	Leadership and Professional Development	1
	Hours	9
	Total Hours	46

PSYC-2314 Lifespan Growth and Development *must be completed prior to or concurrently with Term Two.*

BIOL-2404 Anatomy and Physiology *must be completed prior to enrolling in the VN program.*

A grade of 75 or better is required in all VNSG courses, nursing and C in non-nursing.

Vocational Nursing Certificate - Terrell HSC Campus

The program at the TVCC Terrell HSC campus begins in the **spring** of each year.

The deadline for completing all pre-admission testing requirements and for submitting the online application is **August 15**.

Applicants will have until September 15 to submit summer semester transcripts. Students who become interested for this program after the deadline should check the website in October to see if late applications will be accepted in November.

- Degree Type: Certificate
- Spring Entry VN is offered on the Terrell Health Science Center campus
- TSI (p. 48): required
- See the current Health Occupations brochure for more information about the program including the selection process, immunization requirements, estimated costs and schedules.
- **This program is not designed to transfer.**

This program leads to the LVN-to-ADN Transition AAS degree.

Course	Title	Hours
General Education		
PSYC-2314	Lifespan Growth and Development	3
BIOL-2404	Anatomy and Physiology	4
Hours		7
Term One		
VNSG-1122	Vocational Nursing Concepts	1
VNSG-1231	Pharmacology	2
VNSG-1160	Clinical I	1
VNSG-1400	Nursing in Health and Illness I	4
VNSG-1472	Nursing Skills I	4
VNSG-2473	Nursing Skills II	4
Hours		16
Term Two		
VNSG-1409	Nursing in Health and Illness II	4
VNSG-1230	Maternal-Neonatal Nursing	2
VNSG-1234	Pediatrics	2
VNSG-1261	Clinical IIb	2
Hours		10
Term Three		
VNSG-2214	Applied Nursing Skills III	2
VNSG-2510	Nursing in Health and Illness III	5
VNSG-1462	Clinical IIIb	4
VNSG-1126	Gerontology	1
VNSG-1119	Leadership and Professional Development	1
Hours		13
Total Hours		46

Note: BIOL-2404 Anatomy and Physiology must be completed prior to enrolling in the VN program.

Note: PSYC-2314 Lifespan Growth and Development must be completed prior to or concurrently with Level III.

A grade of 75 or better is required in all VNSG courses, nursing and a C is required in non-nursing courses.

Vocational Nursing Pathway Courses

VNSG-1122. Vocational Nursing Concepts. (1 Credit)

(1-1-1-0) This course is taken for academic credit. (Prerequisite: Acceptance into the Vocational Nursing Program) Students will earn an A, B, C, D, F, or W. Introduction to the nursing profession and its responsibilities. Includes legal and ethical issues in nursing practice. Concepts related to the physical, emotional and psychosocial self-care of the learner/professional. Lab fee.

VNSG-1126. Gerontology. (1 Credit)

(1-1-1-0) This course is taken for academic credit. (Prerequisite: See advisor) Students will earn an A, B, C, D, F, or W. Overview of the physical, psychosocial and cultural aspects of the aging process. Addresses disease processes of aging. Exploration of perceptions toward care of the older adult. lab fee.

VNSG-1160. Clinical I. (1 Credit)

(1-0-0-6) This course is taken for academic credit. (Prerequisite: Acceptance into the Vocational Nursing Program) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee \$87 includes drug screen and professional liability insurance.

VNSG-1230. Maternal-Neonatal Nursing. (2 Credits)

(2-2-1-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the biological, psychological and sociological concepts applicable to basic needs of the family including childbearing and neonatal care. Utilization of the nursing process in the assessment and management of the childbearing family. Topics include physiological changes related to pregnancy, fetal development and nursing care of the family during labor and delivery and the puerperium. Lab fee.

VNSG-1231. Pharmacology. (2 Credits)

(2-2-1-0) This course is taken for academic credit. (Prerequisite: Acceptance into the Vocational Nursing Program) Students will earn an A, B, C, D, F, or W. Fundamentals of medications and their diagnostic, therapeutic and curative effects. Includes nursing interventions utilizing the nursing process. Lab fee.

VNSG-1234. Pediatrics. (2 Credits)

(2-2-1-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and developmental needs utilizing the nursing process. Lab fee.

VNSG-1261. Clinical Iib. (2 Credits)

(3-0--12) This course is taken for academic credit. (Prerequisite: VNSG 1122, 1400, 1472, 2473, 1160 and 1231) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee.

VNSG-1262. Clinical IIIa. (2 Credits)

(2-0-12-0) This course is taken for academic credit. (Prerequisite: See advisor) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. A preceptorship at the end of the semester provides a capstone experience and allows the student to integrate technical skills, nursing concepts, and basic workplace competencies learned throughout the program in the care of clients at an assigned setting. Lab fee.

VNSG-1400. Nursing in Health and Illness I. (4 Credits)

(4-3-4-0) This course is taken for academic credit. (Prerequisite: Acceptance into the Vocational Nursing Program) Students will earn an A, B, C, D, F, or W. Introduction to general principles of growth and development, primary health care needs of the patient across the life span and therapeutic nursing interventions. Lab fee \$632. Lab fee includes ATI testing package and drug testing fee.

VNSG-1409. Nursing in Health and Illness II. (4 Credits)

(4-4-1-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to health problems requiring medical and surgical interventions. Lab fee \$635. Lab fee includes ATI diagnostic testing program.

VNSG-1461. Clinical IIa. (4 Credits)

(4-0-0-24) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Lab fee.

VNSG-1462. Clinical IIIb. (4 Credits)

(4-0-0-24) This course is taken for academic credit. (Prerequisite: See advisor) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. A preceptorship at the end of the semester provides a capstone experience and allows the student to integrate technical skills, nursing concepts, and basic workplace competencies learned throughout the program in the care of clients at an assigned setting. Lab fee \$70 includes registration fee for mock trial.

VNSG-1472. Nursing Skills I. (4 Credits)

(4-2-8-0) This course is taken for academic credit. (Prerequisite: Acceptance into the Vocational Nursing Program) Students will earn an A, B, C, D, F, or W. Introduction to basic nursing skills. Emphasis on utilization of the nursing process and related scientific principles. Lab fee.

VNSG-2214. Applied Nursing Skills III. (2 Credits)

(2-1-4-0) This course is taken for academic credit. (Prerequisite: VNSG 1231, 1122, 1400, 1472, 2473, and 1160) Students will earn an A, B, C, D, F, or W. Application of nursing skills to meet complex patient needs utilizing the nursing process and related scientific principles. Lab fee.

VNSG-2473. Nursing Skills II. (4 Credits)

(4-2-8-0) This course is taken for academic credit. (Prerequisite: Acceptance into the Vocational Nursing Program) Students will earn an A, B, C, D, F, or W. Continuation of application of advanced nursing skills to meet patient needs utilizing the nursing process and related scientific principles. Lab fee.

VNSG-2510. Nursing in Health and Illness III. (5 Credits)

(5-5-1-0) This course is taken for academic credit. (Prerequisite: See advisor) Students will earn an A, B, C, D, F, or W. Continuation of Nursing in Health and Illness II. Further study of medical-surgical health problems of the patient including concepts such as mental illness. Incorporates knowledge necessary to make the transition from student to graduate vocational nurse. Lab fee \$632. Lab fee includes ATI diagnostic testing program.

A grade of 75 or better is required in all courses, nursing and non-nursing.

Vocational Nursing Occupational Outlook

What Licensed Practical and Licensed Vocational Nurses Do

Licensed practical nurses (LPNs) and licensed vocational nurses (LVNs) provide basic nursing care.

SUMMARY

- 2021 Median Pay: \$48,070 per year; \$23.11 per hour
- Typical Entry-Level Education: Postsecondary nondegree award
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2021: 657,200
- Job Outlook, 2021-31: 6% (As fast as average)
- Employment Change, 2021-31: 41,300

Work Environment

Licensed practical and licensed vocational nurses work in many settings, including nursing homes and extended care facilities, hospitals, physicians' offices, and private homes. Most work full-time.

How to Become a Licensed Practical or Licensed Vocational Nurse

Licensed practical and licensed vocational nurses must complete a state-approved educational program, which typically takes about 1 year to complete. They must be licensed.

Pay

The median annual wage for licensed practical and licensed vocational nurses was \$48,070 in May 2021.

Job Outlook

Employment of licensed practical and licensed vocational nurses is projected to grow 6 percent from 2021 to 2031, about as fast as the average for all occupations. As the baby-boom population ages, the overall need for healthcare services is expected to increase. LPNs and LVNs will be needed in residential care facilities and in-home health environments to care for older patients.

State & Area Data

Explore resources for employment and wages by state and area for licensed practical and licensed vocational nurses.

Similar Occupations

Compare the job duties, education, job growth, and pay of licensed practical and licensed vocational nurses with similar occupations.

More Information, Including Links to O*NET

Learn more about licensed practical and licensed vocational nurses by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Licensed Practical and Licensed Vocational Nurses, on the Internet at <https://www.bls.gov/ooh/healthcare/licensed-practical-and-licensed-vocational-nurses.htm> (visited May 28, 2023).

Public Services Pathway

- Athletic Training
- Criminal Justice
- Early Childhood Development
- Fire Protection Technology
- Kinesiology/Physical Education
- Pre-Law
- Psychology
- Sociology
- Teaching

Athletic Training

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Business Administration provides a solid foundation to pursue a Bachelor's Degree in Athletic Training. Potential career paths for students pursuing an Athletic Training degree include exercise physiologist, athletic trainer and fitness trainer.

- Athletic Training AA Degree, Liberal Arts Major (p. 493)

The courses for the Athletic Training Pathway can be found under the program sequence page. (p. 397)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Athletic Training AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Athletic Training provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing an Athletic Training degree include exercise physiologist, athletic trainer, and fitness trainer.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online except activity KINE courses.
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
HIST-1301	United States History I	3
MATH-1342	Elementary Statistical Methods	3
Suggested Pathway Elective		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
PSYC-2301	General Psychology	3
Creative Arts		3
Suggested Pathway Elective		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Language, Philosophy, & Culture		3
BIOL-2401	Anatomy and Physiology I	4
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
BIOL-2402	Anatomy and Physiology II	4
Component Area Requirement (CAO)		3
Suggested Pathway Elective		2
Hours		12
Total Hours		58

Athletic Training Electives

Code	Title	Hours
BIOL-2420	Microbiology for Non-Science Majors	4
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
KINE-1301	Foundations of Kinesiology	3
KINE-2356	Care & Prevention of Athletic Injuries	3
KINE-1306	First Aid	3
KINE-1304	Personal/Community Health	3
KINE-1164	Intro to Physical Fitness & Wellness	1
KINE-1346	Drug Use and Abuse	3

This suggested curricular pathway is designed to prepare students for entry into an Athletic Training Education Program at a university that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Contact the Advisement Center to determine transferability of courses and college or university requirements.

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Criminal Justice

- Criminal Justice AA Degree, Liberal Arts Major (p. 496)
- Criminal Justice AAS Degree (p. 498)
- Criminal Justice Certificate (p. 501)
- Law Enforcement Certificate (p. 503)
- Criminal Justice Corrections OSA (p. 504)

Students enrolling in TVCC's Criminal Justice program who are current Texas Peace Officers MAY qualify for tuition and certain fees exemption. See the financial aid office for details of the exemption.

Career Coach & Transfer Opportunities

TVCC has partnered with Career Coach for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Field Of Study Transfer Information

Students who complete CRIJ-1301 Introduction to Criminal Justice, CRIJ-1306 Court Systems and Practices, CRIJ-1310 Fundamentals of Criminal Law, CRIJ-2313 Correctional Systems and Practices, and CRIJ-2328 Police Systems and Practices with TVCC may transfer the entire block of courses for full academic credit to a Texas public college or university. The block of courses will be substituted for the receiving institution's lower division criminal justice requirements.

Criminal Justice AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Criminal Justice provides a solid foundation to pursue a Bachelor's Degree in Criminal Justice. Potential career paths for students pursuing a Criminal Justice degree include police officer, game warden, fire marshal, highway patrol, crime scene analyst, forensic investigator, and parole officer.

- Degree Type: AA (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
HIST-1301	United States History I	3
CRIJ-1301	Introduction to Criminal Justice	3
CRIJ-1306	Court Systems and Practices	3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
CRIJ-1310/CJSA-1327	Fundamentals of Criminal Law	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Suggested Pathway Elective		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
CRIJ-2328	Police Systems and Practices	3
Language, Philosophy, & Culture		3
Life & Physical Science		4
Creative Arts		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
SOCI-1301	Introduction to Sociology	3
Component Area Requirement (CAO)		3
Life & Physical Science		4
Suggested Pathway Elective		1
Hours		14
Total Hours		60

Criminal Justice Approved Electives

Code	Title	Hours
CRIJ-1307	Crime in America	3
CRIJ-1313	Juvenile Justice System	3
CRIJ-2301	Community Resources in Corrections	3
CRIJ-2313	Correctional Systems and Practices	3
CRIJ-2314	Criminal Investigation	3
CRIJ-2323	Legal Aspects of Law Enforcement	3
SOCI-1306	Social Problems	3

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

The completion of CRIJ-1301, CRIJ-1306, CRIJ-1310, CRIJ-2313, and CRIJ-2328 indicate full transferability as a Criminal Justice Field of Study to Texas public colleges and universities. See advisor at transferring college or university for details.

Criminal Justice AAS Degree

- Degree Type: AAS
- All required courses available online
- TSI (p. 48): required
- Capstone course: CRIJ-2323 Legal Aspects of Law Enforcement

Law Enforcement Articulated Credit Option:

A student may receive 13 semester credit hours for successfully completing an approved law enforcement training program/Basic Police Academy and passing the Texas Commission on Law Enforcement (TCOLE) exam after 1983.

To receive credit, a student must have completed 12 semester credit hours in the AAS Criminal Justice degree, present proof that he/she has passed the Texas Basic Peace Officer Licensing Examination, complete and submit a course credit form, and pay the processing fees.

A processing fee for this conversion applies. Contact an academic advisor or the associate vice president of workforce education for more details.

Corrections Articulated Credit Option

TDCJ employees who have completed the TDCJ pre-service and/or in-service training provided by Trinity Valley Community College on or after June 1, 2016 are eligible to articulate the continuing education credit received during their training to receive up to 15 SCH credit for coursework required in TVCC's correctional science certificate of completion.

A processing fee for this conversion applies. Contact an academic advisor or the associate vice president of correctional education for more details.

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332 or MATH-1342	Contemporary Mathematics (Quantitative Reasoning) or Elementary Statistical Methods	3
Lang./Phil./Culture or Creative Arts		3
EDUC-1300	Learning Framework	3
PSYC-2301 or SOCI-1301	General Psychology or Introduction to Sociology	3
GOVT-2305	Federal Government Constitution	3
GOVT-2306	Texas Government	3
Hours		21
Term One		
CRIJ-1306/CJSA-1313	Court Systems and Practices	3
CRIJ-1313/CJSA-1317	Juvenile Justice System	3
CJLE/CJCR/CJSA/CRIJ Elective		3
CJLE/CJCR/CJSA/CRIJ Elective		3
Hours		12
Term Two		
CRIJ-1310/CJSA-1327	Fundamentals of Criminal Law	3
CRIJ-2313/CJCR-1307	Correctional Systems and Practices	3
CJLE/CJCR/CJSA/CRIJ Elective		3
CJLE/CJCR/CJSA/CRIJ Elective		3
Hours		12
Term Three		
CRIJ-2328/CJSA-1359	Police Systems and Practices	3
CRIJ-2314/CJSA-1342	Criminal Investigation	3
POFT-2312	Business Correspondence and Communication	3
Hours		9
Term Four		
CRIJ-2323/CJSA-2300	Legal Aspects of Law Enforcement (Capstone)	3
CJSA-2382	Coop Education, Criminal Justice/Safety Studies (or CJLE/CJCR/CJSA/ CRIJ Elective)	3
Hours		6
Total Hours		60

Beginning Freshman (without articulated credit) electives

Code	Title	Hours
CRIJ-1301/ CJSA-1322	Introduction to Criminal Justice	3
CRIJ-1307/ CJSA-1312	Crime in America	3
CJSA-1348	Ethics in Criminal Justice	3
CRIJ-2301/ CJCR-2324	Community Resources in Corrections	3

Licensed Peace Officer electives

Code	Title	Hours
CJLE-2420	Texas Peace Officer Procedures	4
CJLE-2421	Texas Peace Officer Law	4
CJLE-2522	Texas Peace Officer Skills	5

TDCJ Employee electives

Code	Title	Hours
CJCR-1300	Basic Jail Course	3
CJLE-1327	Interviewing & Report Writing for CJ Professions	3
CJSA-1322	Introduction to Criminal Justice	3
CJSA-1348	Ethics in Criminal Justice	3

Students enrolling in this program who are current Texas Peace Officers **may** qualify for tuition and certain fees exemption. See the financial aid office for details of the exemption.

The completion of CRIJ-1301, CRIJ-1306, CRIJ-1310, CRIJ-2313, and CRIJ-2328 indicate full transferability as a Criminal Justice Field of Study to Texas public colleges and universities. See advisor at transferring college or university for details.

Criminal Justice Certificate

Correctional officers are responsible for overseeing individuals who have been arrested and are awaiting trial or who have been sentenced to serve time in jail or prison.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required
- Capstone course: CJSJ-2382 Coop Education, Criminal Justice/Safety Studies

This program leads to the Criminal Justice AAS degree.

Course	Title	Hours
Term One		
CRIJ-1301/CJSJ-1322	Introduction to Criminal Justice	3
CRIJ-2301/CJCR-2324	Community Resources in Corrections	3
CRIJ-1306/CJSJ-1313	Court Systems and Practices	3
CRIJ-2314/CJSJ-1342	Criminal Investigation	3
CJLE/CJCR/CJSJ/CRIJ Elective		3
Hours		15
Term Two		
CRIJ-1307/CJSJ-1312	Crime in America	3
CRIJ-2313/CJCR-1307 or CJSJ-2300	Correctional Systems and Practices (Capstone) ¹ or Legal Aspects of Law Enforcement	3
CJSJ-2382 or CJLE- CJLE/CJCR/CJSJ/ CRIJ ELECTIVE	Coop Education, Criminal Justice/Safety Studies or	3
CRIJ-2328/CJSJ-1359	Police Systems and Practices	3
CJLE/CJCR/CJSJ/CRIJ Elective		3
Hours		15
Total Hours		30

Beginning Freshman (non TDCJ employees) electives

Code	Title	Hours
CRIJ-1310/ CJSA-1327	Fundamentals of Criminal Law	3
CRIJ-1313/ CJSA-1317	Juvenile Justice System	3
CJSA-1348	Ethics in Criminal Justice	3
CRIJ-2323/ CJSA-2300	Legal Aspects of Law Enforcement	3

TDCJ Employee electives

*Courses are part of the TDCJ program

Code	Title	Hours
CJCR-1300	Basic Jail Course	3
CJLE-1327	Interviewing & Report Writing for CJ Professions	3
CJSA-1348	Ethics in Criminal Justice	3

Law Enforcement Certificate

Bailiffs are law enforcement officers who maintain safety and order in courtrooms.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required

This program leads to the Criminal Justice Certificate.

Course	Title	Hours
Term One		
CRIJ-1301/CJSA-1322	Introduction to Criminal Justice	3
CRIJ-1306/CJSA-1313	Court Systems and Practices	3
CRIJ-2314/CJSA-1342	Criminal Investigation	3
CRIJ-1313/CJSA-1317	Juvenile Justice System	3
CRIJ-2328/CJSA-1359	Police Systems and Practices	3
Hours		15
Term Two		
CRIJ-1310/CJSA-1327	Fundamentals of Criminal Law	3
CRIJ-2323/CJSA-2300	Legal Aspects of Law Enforcement	3
Approved elective		3
Approved elective		3
Select one of the following:		3
CJSA-2382	Coop Education, Criminal Justice/Safety Studies	
CJLE/CJCR/CJSA/CRIJ Elective		
Hours		15
Total Hours		30

Law Enforcement Certificate Approved Electives

Code	Title	Hours
CRIJ-2313/ CJCR-1307	Correctional Systems and Practices	3
CRIJ-1307/ CJSA-1312	Crime in America	3
CJSA-1348	Ethics in Criminal Justice	3
CRIJ-2301/ CJCR-2324	Community Resources in Corrections	3

Criminal Justice Corrections OSA

- This OSA is for correctional officers with TDCJ. (Non-credit)
- Degree Type: OSA
- Required courses are offered face-to-face
- TSI (p. 48): not required

This program leads to an Occupational Skills Award that can be articulated into the Criminal Justice AAS and Certificate.

Course	Title	Hours
Term One		
CJCR-1007	Correctional Systems & Practice	4
CJSA-1022	Intro to Criminal Justice	4
CJLE-1048	Interview & Report Writing for CJ Professionals	8
CJLE-1048	Ethics In Criminal Justice	4
CJCR-1011	Basic Certification Correctional Officer	0
Hours		20
Total Hours		20

Criminal Justice Pathway Courses

CJCR-1000. Basic Jail Course (TDC INSVC). (4 Credits)

Human relations; observation; evaluation of prisoners; booking procedures; classification; mug shots; fingerprinting; strip searches; meals; medical services; visitation; inmates rights and privileges; detention areas; disturbances; riots; fire procedures; release procedures; and key, knife and tool control. Includes the required Texas Commission on Law Enforcement objectives for course #1007. This course was designed to be repeated multiple times to improve student proficiency.

CJCR-1007. Correctional Systems & Practice. (4 Credits)

NULL.

CJCR-1011. Basic Certification Correctional Officer. (0 Credits)

Preparation for certification required for employment with the Texas Department of Criminal Justice-Institutional Division (TDCJ-ID). Must include the objectives developed by the TDCJ-ID.

CJCR-1012. Basic Certification Correction. (4 Credits)

Preparation for certification required for employment with the Texas Department of Criminal Justice-Institutional Division (TDCJ-ID). Must include the objectives developed by the TDCJ-ID.

CJCR-1300. Basic Jail Course. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Human relations; observation; evaluation of prisoners; booking procedures; classifications; mug shots; fingerprinting; strip searches; meals; medical services; visitation; inmates rights and privileges; detention areas; disturbances; riots; fire procedures; release procedures; and key, knife and tool control. Includes the required Texas Commission on Law Enforcement objectives for course #1007.

CJCR-1307. Correctional Systems and Practices. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Corrections in the criminal justice system; organization of correctional systems; correctional role; institutional operations; alternatives to institutionalization; treatment and rehabilitation; current and future issues.

CJCR-2004. Inmate Rights and Privileges. (0 Credits)

Provides the county correctional officer with an overview of inmate rights and responsibilities from a case law perspective. One of the intermediate core courses required by the Texas Commission on Law Enforcement Course #3502 for jailer proficiency. This course was designed to be repeated multiple times if content varies.

CJCR-2324. Community Resources in Corrections. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introductory study of the role of the community in corrections; community programs for adults and juveniles; administration of community programs; legal issues; future trends in community treatment.

CJLE-1027. Interview & Report Writing for CJ Professionals. (8 Credits)

Instruction and skill development in interviewing, note-taking, and report writing in the criminal justice context. Development of skills to conduct investigations by interviewing witnesses, victims, and suspects properly. Organization of information regarding incidents into effective written reports.

CJLE-1056. Intermediate Use of Force. (0 Credits)

Psychological and emotional factors, "use of force" factors, force options, and deadly force. Emphasizes legal issues such as civil rights complaints, governmental liability, court decisions, and vicarious liability. Includes review of Chapter 9 of the Penal Code. Meets the requirements of Texas Commission on Law Enforcement Course #2107.

CJLE-1094. Spec Top: Law Enf/Police Sci:Basic Instr. (0 Credits)

The adult learning process and the differences between adult and child learning. Includes the role of the instructor, the three domains of learning, and their impact on the learning process. Meets the Texas Commission on Law Enforcement Course #1014 requirements.

CJLE-1327. Interviewing & Report Writing for CJ Professions. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Instruction and skill development in interviewing, note-taking, and report writing in the criminal justice context. Development of skills to conduct investigations by interviewing witnesses, victims, and suspects properly. Organization of information regarding incidents into effective written reports.

CJLE-2037. Advanced Firearms. (1 Credit)

(0-0-19) Instruction in special situations and tactics. Stressful situations will challenge the student to perform under simulated field conditions. A specified firearms course will be included.

CJLE-2047. Tactical Skills for Police. (4 Credits)

(0-0-48) Development of proficiency with a range of impact weapons and/or chemical agents and defensive techniques necessary to control a violent person. This course was designed to be repeated multiple times if content varies.

CJLE-2420. Texas Peace Officer Procedures. (4 Credits)

(4-4-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the techniques and procedures used by police officers on patrol. Includes controlled substance identification, handling abnormal persons, traffic direction, crowd control, and jail operations.

CJLE-2421. Texas Peace Officer Law. (4 Credits)

(4-4-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of laws directly related to police field work. Topics include Texas Transportation Code, intoxicated driver, Texas Penal Code, elements of crime, Texas Family Code, Texas Alcoholic Beverage Code, and civil liability. Partially satisfies Texas Commission on Law Enforcement (TCLE) Course #1011.

CJLE-2522. Texas Peace Officer Skills. (5 Credits)

(5-5-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Requires the demonstration and practice of the skills of a police officer including patrol, driving, traffic stop skills, use of force, mechanics of arrest, firearm safety, and emergency medical care. Partially satisfies Texas Commission on Law Enforcement Course #1011.

CJSA-1022. Intro to Criminal Justice. (4 Credits)

NULL.

CJSA-1048. Ethics in Criminal Justice. (4 Credits)

Ethical philosophies and issues pertaining to the various professions in the criminal justice system. Includes ethical issues emanating from constitutional conflict with public protection and individual rights, civil liberties, and correctional policies.

CJSA-1312. Crime in America. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. American crime problems in historical perspective; social and public policy factors affecting crime; impact and crime trends; social characteristics of specific crimes; prevention of crime.

CJSA-1313. Court Systems and Practices. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The judiciary in the criminal justice system; structure of the American court system. prosecution; right to counsel; pre-trial release; grand juries; adjudication process; types and rules of evidence, sentencing.

CJSA-1317. Juvenile Justice System. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the juvenile justice process to include specialized juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies and theories concerning delinquency.

CJSA-1322. Introduction to Criminal Justice. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. History and philosophy of criminal justice and ethical considerations; crime defines; its nature and impact ; overview of criminal justice system; law enforcement; court system; prosecution and defense; trial process; corrections.

CJSA-1327. Fundamentals of Criminal Law. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The study of the nature of criminal law; philosophical and historical development; major definitions and concepts; classification of crime; elements of crimes and penalties using Texas statutes as illustrations; criminal responsibility.

CJSA-1342. Criminal Investigation. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation.

CJSA-1348. Ethics in Criminal Justice. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Ethical philosophies and issues pertaining to the various professions in the criminal justice system. Includes ethical issues emanating from constitutional conflict with public protection and individual rights, civil liberties, and correctional policies.

CJSA-1359. Police Systems and Practices. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The police profession; organization of law enforcement systems; the police role; police discretion; ethics; police-community interaction; current and future issues.

CJSA-2300. Legal Aspects of Law Enforcement. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability.

CJSA-2382. Coop Education, Criminal Justice/Safety Studies. (3 Credits)

(3-1-20) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. Lab fee.

CRIJ-1301. Introduction to Criminal Justice. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Provides a historical and philosophical overview of the American criminal justice system, including the nature, extent, and impact of crime; criminal law; and justice agencies and processes.

CRIJ-1306. Court Systems and Practices. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the court system as it applies to the structures, procedures, practices and sources of law in American courts, using federal and Texas statutes and case law.

CRIJ-1307. Crime in America. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of American crime problems in historical perspective; social and public policy factors affecting crime; impact and crime trends; social characteristics of specific crimes; prevention of crime.

CRIJ-1310. Fundamentals of Criminal Law. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The study of criminal law including application of definitions, statutory elements, defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability.

CRIJ-1313. Juvenile Justice System. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the juvenile justice process to include specialized juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies and theories concerning delinquency.

CRIJ-2301. Community Resources in Corrections. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introductory study of the role of the community in corrections; community programs for adult and juveniles; administration of community programs; legal issues; future trends in community treatment.

CRIJ-2313. Correctional Systems and Practices. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional issues; and current and future issues.

CRIJ-2314. Criminal Investigation. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation.

CRIJ-2323. Legal Aspects of Law Enforcement. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability.

CRIJ-2328. Police Systems and Practices. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Examines the establishment, role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police community interactions, police ethics, and use of authority.

POFT-2312. Business Correspondence and Communication. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Development of writing and presentation skills to produce effective business communications.

Criminal Justice Occupational Outlook

What Police and Detectives Do

Police officers protect lives and property. Detectives and criminal investigators, who are sometimes called *agents* or *special agents*, gather facts and collect evidence of possible crimes.

Duties

Police officers, detectives, and criminal investigators typically do the following:

- Respond to emergency and nonemergency calls
- Patrol assigned areas
- Conduct traffic stops and issue citations
- Search for vehicle records and warrants using computers in the field
- Obtain warrants and arrest suspects
- Collect and secure evidence from crime scenes
- Observe the activities of suspects
- Write detailed reports and fill out forms
- Prepare cases and testify in court

Job duties differ by employer and function, but all police and detectives write reports and keep detailed records that will be needed if they testify in court. Most carry law enforcement tools, such as radios, handcuffs, and guns.

The following are examples of types of police and detectives:

Detectives and criminal investigators are uniformed or plainclothes investigators who gather facts and collect evidence for criminal cases. They conduct interviews, examine records, observe the activities of suspects, and participate in raids and arrests. Detectives usually specialize in investigating one type of crime, such as homicide or fraud. Detectives are typically assigned cases on a rotating basis and work on them until an arrest and trial are completed or until the case is dropped.

Fish and game wardens enforce fishing, hunting, and boating laws. They patrol fishing and hunting areas, conduct search and rescue operations, investigate complaints and accidents, and educate the public about laws pertaining to the outdoors. Federal fish and game wardens are often referred to as Federal Wildlife Officers.

Police and sheriff's patrol officers are the most common type of police and detectives and have general law enforcement duties. They wear uniforms that allow the public to easily recognize them as police officers. They have regular patrols and also respond to emergency and nonemergency calls. During patrols, officers look for signs of criminal activity and may conduct searches and arrest suspected criminals.

Some police officers work only on a specific type of crime, such as narcotics. Officers, especially those working in large departments, may work in special units, such as horseback, motorcycle, canine corps, and special weapons and tactics (SWAT). Typically, officers must work as patrol officers for a certain number of years before they may be appointed to a special unit.

Transit and railroad police patrol railroad yards and transit stations. They protect property, employees, and passengers from crimes such as thefts and robberies. They remove trespassers from railroad and transit properties and check IDs of people who try to enter secure areas.

SUMMARY

- Police officers, detectives, and criminal investigators
- 2021 Median Pay: \$69,160 per year, \$33.25 per hour
- Typical Entry-Level Education: See How to Become One
- Work Experience in a Related Occupation: See How to Become One
- On-the-job Training: Moderate-term on-the-job training
- Number of Jobs, 2022: 808,700
- Job Outlook, 2022-32: 3% (As fast as average)
- Employment Change, 2022-2032: 23,800

Work Environment

Police and detective work can be physically demanding, stressful, and dangerous. Police and sheriff's patrol officers and transit and railroad police have some of the highest rates of injuries and illnesses of all occupations. Working around the clock in shifts is common.

How to Become a Police Officer or Detective

Education requirements range from a high school diploma to a college degree. Most police and detectives must graduate from their agency's training academy before completing a period of on-the-job training. Candidates must be U.S. citizens, usually at least 21 years old, and able to meet rigorous physical and personal qualifications.

Pay

The median annual wage for police and detectives was \$69,160 in May 2022

Job Outlook

Overall employment of police and detectives is projected to grow 3 percent from 2022 to 2032, about as fast as the average for all occupations.

About 64,500 openings for police and detectives are projected each year, on average, over the decade. Most of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for police and detectives.

Similar Occupations

Compare the job duties, education, job growth, and pay of police and detectives with similar occupations.

More Information, Including Links to O*NET

Learn more about police and detectives by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

Suggested citation:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Police and Detectives, on the Internet at <https://www.bls.gov/ooh/protective-service/police-and-detectives.htm> (visited *January 22, 2024*).

Early Childhood Development

- Early Childhood Development AAS Degree (p. 514)
- Early Childhood Education Certificate (p. 420)
- Early Childhood Administrator Certificate (p. 419)
- Behavioral Science Delivery Certificate (p. 520)
- Behavior Science Delivery OSA (p. 521)

Note: Criminal history may disqualify individuals from having access to children in licensed or certified childcare operations. Additionally, a criminal history may disqualify individuals from obtaining or maintaining any certifications required in childcare settings.

- The Texas Department of Family and Protective Services (DFPS) permits and monitors all child-care operations and child-placing agencies for compliance with state licensing standards, rules, and laws.
- For details about specific offenses and their impact on different types of child care settings, refer to https://www.dfps.state.tx.us/Child_Care/documents/Standards_and_Regulations/LCCO_Chart.pdf.
- Note that even though the chart outlines offenses in which persons may be present at a child-care operation, DFPS may place conditions or restrictions on a person's duties in order for the person to be present at the operation.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Early Childhood Development AAS Degree

Child development teachers provide valuable experiences that enhance the lives of the most important people in the world, our children. The early childhood worker provides care for children such as feeding, diapering, and comforting, as well as programs to stimulate children's social and intellectual development.

Childcare workers need to be kind, patient, dependable, and emotionally stable. They should relate well with children and enjoy art, music, storytelling, and drama. They need to be creative and imaginative with a good sense of humor and an enthusiastic personality. They need to be able to provide fair, firm discipline when necessary. They should enjoy working with children and helping others. Childcare workers must be able to follow governmental standards and regulations.

- Degree Type: AAS
- All required courses available online
- TSI (p. 40): required
- Capstone course: CDEC-2368 Practicum, Child Care Provider/Assistant

Note: Criminal history may disqualify individuals from having access to children in licensed or certified childcare operations. Additionally, a criminal history may disqualify individuals from obtaining or maintaining any certifications required in childcare settings.

- The Texas Department of Family and Protective Services (DFPS) permits and monitors all child-care operations and child-placing agencies for compliance with state licensing standards, rules and laws.
- For details about specific offenses and their impact on different types of child care settings, refer to https://www.dfps.state.tx.us/Child_Care/documents/Standards_and_Regulations/LCCO_Chart.pdf.
- Note that even though the chart outlines offenses in which persons may be present at a child-care operation, DFPS may place conditions or restrictions on a person's duties in order for the person to be present at the operation.

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
PSYC-2314	Lifespan Growth and Development	3
SOCI-1301	Introduction to Sociology	3
Hours		18
Term One		
TECA-1311	Educating Young Children	3
TECA-1303	Families, School and Community	3
CDEC-2326 or CDEC-1356	Administration of Programs for Children I or Emergent Literacy for Early Childhood	3
Hours		9
Term Two		
TECA-1354	Child Growth and Development	3
TECA-1318	Wellness of the Young Child	3
BCIS-1305	Business Computer Applications	3
CDEC-2307 or CDEC-2328	Math and Science for Early Childhood or Administration of Programs for Children II	3
Hours		12
Term Three		
CDEC-2341	The School Age Child	3
CDEC-1319	Child Guidance	3
CDEC-1359	Children With Special Needs	3
CDEC-1313 or CDEC-1323	Curriculum Resources for Early Childhood or Observation and Assessment	3
Hours		12
Term Four		
CDEC-1358	Creative Arts for Early Childhood	3
CDEC-2315	Diverse Cultural/Multilingual Education	3
CDEC-2368	Practicum, Child Care Provider/Assistant (Capstone)	3
Hours		9
Total Hours		60

Early Childhood Education Certificate

Child care workers provide care for children when parents and other family members are unavailable. They attend to children's basic needs, such as bathing and feeding. In addition, some help children prepare for kindergarten.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required
- Capstone course: CDEC-2368 Practicum, Child Care Provider/Assistant

Note: Criminal history may disqualify individuals from having access to children in licensed or certified childcare operations. Additionally, a criminal history may disqualify individuals from obtaining or maintaining any certifications required in childcare settings.

- The Texas Department of Family and Protective Services (DFPS) permits and monitors all child-care operations and child-placing agencies for compliance with state licensing standards, rules and laws.
- For details about specific offenses and their impact on different types of child care settings, refer to https://www.dfps.state.tx.us/Child_Care/documents/Standards_and_Regulations/LCCO_Chart.pdf.
- Note that even though the chart outlines offenses in which persons may be present at a child-care operation, DFPS may place conditions or restrictions on a person's duties in order for the person to be present at the operation.

This program leads to the Early Childhood Development AAS degree.

Course	Title	Hours
Term One		
TECA-1311	Educating Young Children	3
TECA-1303	Families, School and Community	3
CDEC-1356	Emergent Literacy for Early Childhood	3
CDEC-1359	Children With Special Needs	3
Hours		12
Term Two		
TECA-1354	Child Growth and Development	3
TECA-1318	Wellness of the Young Child	3
CDEC-1358	Creative Arts for Early Childhood	3
CDEC-2315	Diverse Cultural/Multilingual Education	3
CDEC-2307	Math and Science for Early Childhood	3
Hours		15
Term Three		
CDEC-1313	Curriculum Resources for Early Childhood	3
CDEC-1319	Child Guidance	3
BCIS-1305	Business Computer Applications	3
CDEC-2368	Practicum, Child Care Provider/Assistant (Capstone)	3
Hours		12
Total Hours		39

Early Childhood Administrator Certificate

Child care workers provide care for children when parents and other family members are unavailable. They attend to children's basic needs, such as bathing and feeding. In addition, some help children prepare for kindergarten.

- Degree Type: Certificate
- All required courses available online
- TSI (p. 48): not required
- Capstone course: CDEC-2368 Practicum, Child Care Provider/Assistant

Note: Criminal history may disqualify individuals from having access to children in licensed or certified childcare operations. Additionally, a criminal history may disqualify individuals from obtaining or maintaining any certifications required in childcare settings.

- The Texas Department of Family and Protective Services (DFPS) permits and monitors all child-care operations and child-placing agencies for compliance with state licensing standards, rules and laws.
- For details about specific offenses and their impact on different types of child care settings, refer to https://www.dfps.state.tx.us/Child_Care/documents/Standards_and_Regulations/LCCO_Chart.pdf.
- Note that even though the chart outlines offenses in which persons may be present at a child-care operation, DFPS may place conditions or restrictions on a person's duties in order for the person to be present at the operation.

This program leads to the Early Childhood Development AAS degree.

Course	Title	Hours
Term One		
TECA-1311	Educating Young Children	3
CDEC-1359	Children With Special Needs	3
TECA-1303	Families, School and Community	3
CDEC-2326	Administration of Programs for Children I	3
Hours		12
Term Two		
CDEC-1358	Creative Arts for Early Childhood	3
TECA-1354	Child Growth and Development	3
TECA-1318	Wellness of the Young Child	3
CDEC-2315	Diverse Cultural/Multilingual Education	3
CDEC-2328	Administration of Programs for Children II	3
Hours		15
Term Three		
CDEC-1319	Child Guidance	3
BCIS-1305	Business Computer Applications	3
CDEC-2368	Practicum, Child Care Provider/Assistant (Capstone)	3
Hours		9
Total Hours		36

Behavioral Science Delivery Certificate

This certificate is pending approval by SACSCOC and DOE.

Certificate: The Certificate of Completion in Behavior Science Delivery is a specialized training program designed to prepare students for certification as Registered Behavior Technicians (RBT), a vital role in Applied Behavior Analysis (ABA). This program equips students with the practical skills and theoretical knowledge necessary to support behavior analysts in implementing behavior intervention plans. The curriculum is aligned with Behavior Analyst Certification Board standards, ensuring that graduates meet the competencies required for the RBT certification exam.

- Degree Type: Certificate
- All required courses are available online
- TSI: Not Required
- Capstone Course: CDEC 2368

Note: Criminal history may disqualify individuals from having access to children in licensed or certified childcare operations. Additionally, a criminal history may disqualify individuals from obtaining or maintaining any certifications required in childcare settings.

This certificate leads to preparing students for the RBT certification exam.

Course	Title	Hours
Term One		
SCIT-1371	Applied Behavior Analysis I	3
CDEC-1359	Children with Special Needs	3
CDEC-1319	Child Guidance	3
PSYC-2314	Lifespan Growth and Development	3
Hours		12
Term Two		
SCIT-2471	Applied Behavior Analysis II	4
CDEC-2368	Practicum, Child Care Provider/Assistant	3
SCWK-2331	Abnormal Behavior	3
SCWK-1303	Ethics for Social Service Prof	3
Hours		13
Total Hours		25

Behavioral Science Delivery OSA

OSA: The Occupational Skills Award (OSA) in Behavior Science Delivery is a specialized training program designed to help students understand the core principles and concepts of Applied Behavior Analysis (ABA) and the role of a Registered Behavior Technician (RBT) in supporting clients, their families, and other stakeholders. This program includes information on neurotypical and neurodiverse growth and development.

- Degree Type: Occupational Skills Award
- All required courses are available online
- TSI: Not Required
- Capstone Course: SCIT 1371: Applied Behavior Analysis I

Note: Criminal history may disqualify individuals from having access to children in licensed or certified childcare operations. Additionally, a criminal history may disqualify individuals from obtaining or maintaining any certifications required in childcare settings.

Course	Title	Hours
Term One		
SCIT-1371	Applied Behavior Analysis I	3
CDEC-1359	Children with Special Needs	3
CDEC-1319	Child Guidance	3
CDEC-2326	Administration of Programs for Children I	3
Hours		12
Total Hours		12

Early Childhood Development Pathway Courses

CDEC-1358. Creative Arts for Early Childhood. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An exploration of principles, methods, and materials for teaching music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking for children birth through age eight.

CDEC-1356. Emergent Literacy for Early Childhood. (3 Credits)

(3, 0, 0) An exploration of principles, methods, and materials for teaching language and literacy through a play-based integrated curriculum to children from birth through age eight.

CDEC-1359. Children With Special Needs. (3 Credits)

(3, 0, 0) A survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, intervention strategies, available resources, referral processes, the advocacy role, and legislative issues.

CDEC-2326. Administration of Programs for Children I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Application of management procedures for early care and education programs. Includes planning, operating, supervising, and evaluating programs. Topics cover philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication.

CDEC-2307. Math and Science for Early Childhood. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An exploration of principles, methods, and materials for teaching young children math and science concepts through discovery and play.

CDEC-2315. Diverse Cultural/Multilingual Education. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of diverse cultural and multilingual education including familial relationships, community awareness, diversity, and the needs of each and every child.

CDEC-2328. Administration of Programs for Children II. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An in-depth study of the skills and techniques in managing early care and education programs, including legal and ethical issues, personnel management, team building, leadership, conflict resolution, stress management, advocacy, professionalism, fiscal analysis, technical applications in programs and planning parent education/partnerships.

CDEC-2368. Practicum, Child Care Provider/Assistant. (3 Credits)

(3-1-20) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

CDEC-2326. Administration of Programs for Children I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Application of management procedures for early care and education programs. Includes planning, operating, supervising, and evaluating programs. Topics cover philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication.

CDEC-2341. The School Age Child. (3 Credits)

(3, 0, 0) A study of programs for the school age child, including an overview of development, learning environments, materials, activities and guidance techniques.

TECA-1303. Families, School and Community. (3 Credits)

(3-3-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse and current family life issues. This course includes a 16 hour lab component with children from infancy through age 12 in a variety of settings with varied and diverse populations.

TECA-1311. Educating Young Children. (3 Credits)

(3-3-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities and current issues. This course includes a 16 hour lab component with children from infancy through age 12 in a variety of settings with varied and diverse populations.

TECA-1318. Wellness of the Young Child. (3 Credits)

(3-3-2) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the factors that impact the well-being of the young child including healthy behavior, food, nutrition, fitness, and safety practices. Focuses on local and national standards and legal implications of relevant policies and regulations. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth to age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. Course includes a minimum of 16 hours of field experiences.

TECA-1354. Child Growth and Development. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the physical, emotional, social and cognitive factors impacting growth and development of children through adolescence.

BCIS-1305. Business Computer Applications. (3 Credits)

(3-2-4) CORE AREA 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Lab fee.

CDEC-1319. Child Guidance. (3 Credits)

(3, 0, 0) An exploration of guidance strategies for promoting prosocial behaviors with individual and groups of children. Emphasis on positive guidance principles and techniques, family involvement, and cultural influences.

Early Childhood Development Occupational Outlook

What Preschool Teachers Do

Preschool teachers educate and care for children younger than age 5 who have not yet entered kindergarten. They teach language, motor, and social skills to young children.

Duties

Preschool teachers typically do the following:

- Teach children basic skills such as identifying colors, shapes, numbers, and letters
- Work with children in groups or one-on-one, depending on the needs of the children and the subject matter
- Plan and carry out a curriculum that focuses on different areas of child development
- Organize activities so children can learn about the world, explore interests, and develop skills
- Develop schedules and routines to ensure children have enough physical activity and rest
- Watch for signs of emotional or developmental problems in each child and bring them to the attention of the child's parents
- Keep records of the children's progress, routines, and interests, and inform parents about their child's development

Young children learn from playing, problem-solving, and experimenting. Preschool teachers use play and other instructional techniques to teach children. For example, they use storytelling and rhyming games to teach language and vocabulary. They may help improve children's social skills by having them work together to build a neighborhood in a sandbox or teach math by having children count when building with blocks.

Preschool teachers work with children from different ethnic, racial, and religious backgrounds. Teachers include topics in their lessons that teach children how to respect people of different backgrounds and cultures.

SUMMARY

- Preschool teachers
- 2022 Median Pay: \$33,330 per year, \$16.99 per hour
- Typical Entry-Level Education: Associate's degree
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2022: 512,300
- Job Outlook, 2022-32: 3% (faster than average)
- Employment Change, 2022-32: 17,200

Work Environment

Preschool teachers typically work in public and private schools or childcare centers. Many work the traditional 10-month school year, but some work year-round.

How to Become a Preschool Teacher

Education and training requirements vary based on settings and state regulations. Preschool teachers typically need at least an associate's degree.

Pay

The median annual wage for preschool teachers was \$35,330 in May 2022.

Job Outlook

Employment of preschool teachers is projected to grow 3 percent from 2022 to 2032, much faster than the average for all occupations.

About 56,300 openings for preschool teachers are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for preschool teachers.

Similar Occupations

Compare the job duties, education, job growth, and pay of preschool teachers with similar occupations.

More Information, Including Links to O*NET

Learn more about preschool teachers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Preschool Teachers, at <https://www.bls.gov/ooh/education-training-and-library/preschool-teachers.htm> (visited *January 18, 2023*).

Fire Protection Technology

- Fire Protection Technology AAS Degree (p. 527)
- Fire Inspector and Investigation Certificate (p. 529)
- Fire Officer Certificate (p. 530)
- Fire Rescue Operations Certificate (p. 531)

Fire Protection Information

Students enrolling in TVCC's Fire Protection program who are current Texas Commission on Fire Protection (TCFP) Firefighters **MAY** qualify for tuition and certain fees exemption. See the financial aid office for details of the exemption.

Texas Commission On Fire Protection (TCFP) Certified Articulated Credit Option

A student may receive 12 semester credit hours for successfully passing the TCFP State Certification exam.

To receive credit, a student must have completed 12 semester credit hours in the AAS Fire Protection Technology degree, present proof that he/she has passed the Texas Commission on Fire Protection Certifying Examination, complete and submit a course credit form, and pay the processing fees.

A processing fee for this conversion applies. Contact an academic advisor the associate vice president of workforce education for more details.

Career Coach & Transfer Opportunities

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- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Fire Protection Technology AAS Degree

This degree is designed for students interested in becoming a professional firefighter or fire protection technician.

- Degree Type: AAS
- Not all courses available online
- Fire Science is offered online and on the Terrell Campus
- TSI (p. 48): required
- Capstone course: FIRT-1349 Fire Administration II

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

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Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1314	College Algebra	3
Lang./Phil./Culture or Creative Arts		3
GOVT-2306	Texas Government	3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
FIRT-1301	Fundamentals of Fire Protection	3
FIRT-1307	Fire Prevention Codes and Inspections	3
FIRT-1338	Fire Protection Systems	3
FIRT-1327	Building Construction in the Fire Service	3
Hours		12
Term Two		
FIRT-1315	Hazardous Material I	3
FIRT-1303	Fire and Arson Investigation I	3
FIRT-1319	Firefighter Health and Safety	3
Hours		9
Term Three		
FIRT-2309	Firefighting Strategies and Tactics I	3
EMSP-1501 or FIRT-1305	Emergency Medical Technician or Public Education Programs	5
FIRT-1309	Fire Administration I	3
Hours		11
Term Four		
FIRT-1311	Fire Service Hydraulics	3
EMSP-1160	EMT Basic Clinical	1
FIRT-2331	Firefighting Strategies and Tactics II	3
Hours		7
Term Five		
FIRT-1353	Legal Aspects of Fire Protection	3
FIRT-1349	Fire Administration II (Capstone)	3
Hours		6
Total Hours		60

Students enrolling in this program who are current Texas Commission on Fire Protection (TCFP) firefighters **may** qualify for tuition and certain lab fees exemption. See the financial aid office for details of the exemption.

Fire Inspector and Investigation Certificate

This certificate program is for current Texas Commission on Fire Protection (TCFP) firefighters. Completing each course enables students to become eligible for the TCFP Basic Fire Inspector and Basic Fire/Arson Investigator certification exams. At the completion of this certificate program and subsequent TCFP skills examination, students may be eligible for other employment opportunities within fire services. Students must complete each course to be eligible for the TCFP exam, therefore articulation of credit is not an option for this certificate.

- Degree Type: Certificate
- Fire Science is offered online and on Terrell Campus
- TSI (p. 48): not required
- Capstone course: FIRT-1349 Fire Administration II

This program leads to the Fire Protection Technology AAS degree.

Course	Title	Hours
Term One		
FIRT-1303	Fire and Arson Investigation I	3
FIRT-1315	Hazardous Material I	3
POFT-1301	Business English	3
Hours		9
Term Two		
FIRT-1305	Public Education Programs	3
FIRT-1307	Fire Prevention Codes and Inspections	3
FIRT-1338	Fire Protection Systems	3
Hours		9
Term Three		
FIRT-1353	Legal Aspects of Fire Protection	3
FIRT-1349	Fire Administration II (Capstone)	3
Hours		6
Total Hours		24

Students enrolling in this program who are current Texas Commission on Fire Protection (TCFP) firefighters **may** qualify for tuition and certain lab fees exemption. See the financial aid office for details of the exemption.

Fire Officer Certificate

The Fire Officer Certificate is for current Texas Commission on Fire Protection (TCFP) firefighters seeking to become eligible for the TCFP Fire Officer I and Fire Officer II certification exams. At the completion of this certificate program and subsequent TCFP skills examination(s), students may be eligible for other employment opportunities within fire services. Students must complete each course to be eligible for the TCFP exam; therefore, articulation of credit is not an option for this certificate.

- Degree Type: Certificate
- Fire Science is offered online
- TSI (p. 48): not required
- Capstone course: FIRT-1349 Fire Administration II

This program leads to the Fire Protection Technology AAS.

Course	Title	Hours
Term One		
FIRT-1307	Fire Prevention Codes and Inspections	3
FIRT-2309	Firefighting Strategies and Tactics I	3
FIRT-1327	Building Construction in the Fire Service	3
FIRT-1309	Fire Administration I	3
Hours		12
Term Two		
FIRT-1319	Firefighter Health and Safety	3
FIRT-2331	Firefighting Strategies and Tactics II	3
FIRT-1315	Hazardous Material I	3
FIRT-1303	Fire and Arson Investigation I	3
Hours		12
Term Three		
FIRT-1353	Legal Aspects of Fire Protection	3
FIRT-1349	Fire Administration II	3
Hours		6
Total Hours		30

Students enrolling in this program who are current Texas Commission on Fire Protection (TCFP) firefighters **may** qualify for tuition and certain lab fees exemption. See the financial aid office for details of the exemption.

Fire Rescue Operations Certificate

This certificate program is designed for students new to the fire service.

- Degree Type: Certificate
- Fire Science is offered online and on Terrell Campus
- TSI (p. 48): not required
- Capstone course: EMSP-1160 EMT Basic Clinical

This program leads to the Fire Protection Technology AAS degree.

Course	Title	Hours
Term One		
FIRT-1301	Fundamentals of Fire Protection	3
FIRT-2309	Firefighting Strategies and Tactics I	3
Hours		6
Term Two		
FIRT-1315	Hazardous Material I	3
EMSP-1501	Emergency Medical Technician	5
EMSP-1160	EMT Basic Clinical	1
Hours		9
Total Hours		15

Fire Protection Technology Pathway Courses

EMSP-1160. EMT Basic Clinical. (1 Credit)

(1-0-0-4) This course is taken for academic credit. (Prerequisite: See advisor) Students will earn an A, B, C, D, F, or W. A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Upon successful completion of EMSP 1501 and 1160 and Texas Department of State Health Services (TDSHS) requirements, the student will be eligible to take the Basic Emergency Medical Technician certification examination. Lab Fee \$84 includes professional liability insurance, drug screening and scheduling package.

EMSP-1501. Emergency Medical Technician. (5 Credits)

(5-4-4-0) This course is taken for academic credit. (Prerequisite: See Advisor) Students will earn an A, B, C, D, F, or W. Preparation for certification as an Emergency Medical Technician (EMT). Lab fee.

FIRT-1301. Fundamentals of Fire Protection. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Orientation to the fire service, career opportunities, and related fields. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements.

FIRT-1303. Fire and Arson Investigation I. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Basic fire and arson investigation practices. Emphasis on fire behavior principles related to fire cause and origin determination.

FIRT-1305. Public Education Programs. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Preparation of firefighters and fire officers to develop public fire safety awareness. Emphasis on implementation of fire and public safety programs in an effort to reduce the loss of life.

FIRT-1307. Fire Prevention Codes and Inspections. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Local building and fire prevention codes. Fire prevention inspections, practices, and procedures. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements.

FIRT-1309. Fire Administration I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis on fire service leadership from the perspective of the company officer.

FIRT-1311. Fire Service Hydraulics. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Application of hydraulic principles to analyze and solve water supply problems related to fire protection.

FIRT-1315. Hazardous Material I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The chemical characteristics and behavior of various materials. Storage, transportation, handling hazardous emergency situations, and the most effective methods of hazard mitigation.

FIRT-1319. Firefighter Health and Safety. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Firefighter occupational safety and health in emergency and non-emergency situations. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements.

FIRT-1327. Building Construction in the Fire Service. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Components of building construction that relate to life safety. Includes relationship of construction elements and building design impacting fire spread in structures.

FIRT-1338. Fire Protection Systems. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection, and portable fire extinguishers. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements.

FIRT-1349. Fire Administration II. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. In-depth study of fire service management as pertaining to budgetary requirements, administration, organization of divisions within the fire service, and relationships between the fire service and outside agencies.

FIRT-1353. Legal Aspects of Fire Protection. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the rights, duties, liability concerns, and responsibilities of public fire protection agencies and personnel.

FIRT-2309. Firefighting Strategies and Tactics I. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Analysis of the nature of fire problems and selection of initial strategies and tactics including an in-depth study of efficient and effective use of staffing and equipment to mitigate the emergency.

FIRT-2331. Firefighting Strategies and Tactics II. (3 Credits)

(3-3-0) This course is taken for academic credit. (Prerequisite: FIRT 2309) Students will earn an A, B, C, D, F, or W. Emphasis on the use of incident management in large scale command problems and other specialized fire problems.

POFT-1301. Business English. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.

Fire Protection Technology Occupational Outlook

What Firefighters Do

Firefighters control and put out fires and respond to emergencies where life, property, or the environment is at risk.

Duties

Firefighters typically do the following:

- Drive firetrucks and other emergency vehicles
- Put out fires using water hoses, fire extinguishers, and water pumps
- Find and rescue victims in burning buildings or in other emergency situations
- Treat sick or injured people
- Prepare written reports on emergency incidents
- Clean and maintain equipment
- Conduct drills and physical fitness training

When responding to an emergency, firefighters are responsible for connecting hoses to hydrants, operating the pumps that power the hoses, climbing ladders, and using other tools to break through debris. Firefighters also enter burning buildings to extinguish fires and rescue individuals. Many firefighters are responsible for providing medical attention. Two out of three calls to firefighters are for medical emergencies, not fires, according to the National Fire Protection Association.

When firefighters are not responding to an emergency, they are on call at a fire station. During this time, they regularly inspect equipment and perform practice drills. They also eat and sleep and remain on call, as their shifts usually last 24 hours. Some firefighters may provide public education about fire safety, such as presenting about fire safety at a school.

Some firefighters also work in hazardous materials units and are specially trained to control and clean up hazardous materials, such as oil spills and chemical accidents. They work with hazardous materials removal workers in these cases.

Wildland firefighters are specially trained firefighters. They use heavy equipment and water hoses to control forest fires. Wildland firefighters also frequently create fire lines—a swath of cut-down trees and dug-up grass in the path of a fire—to deprive a fire of fuel. They also use prescribed fires to burn potential fire fuel under controlled conditions. Some wildland firefighters, known as *smoke jumpers*, parachute from airplanes to reach otherwise inaccessible areas.

SUMMARY

- Firefighters
- 2022 Median Pay: \$51,680 per year; \$24.85 per hour
- Typical Entry-Level Education: Postsecondary non-degree award
- Work Experience in a Related Occupation: None
- On-the-job Training: Long-term on-the-job training
- Number of Jobs, 2022: 334,200
- Job Outlook, 2022-32: 4% (As fast as average)
- Employment Change, 2022-32: 12,900
- Other related career opportunities: Fire Inspector

Work Environment

When on the scenes of fires and other emergencies, the work can be very dangerous. When not on the scene of an emergency, firefighters remain on call at fire stations, where they sleep, eat, and perform other duties during shifts that often last 24 hours. Many work more than 40 hours per week.

How to Become a Firefighter

Firefighters typically need a high school diploma and training in emergency medical services. Most firefighters receive training at a fire academy,. Other credential requirements, such as emergency medical technician (EMT) certification, vary by state or locality.

Pay

The median annual wage for firefighters was \$51,680 in May 2022.

Job Outlook

Employment of firefighters is projected to grow 4 percent from 2022 to 2032, about as fast as the average for all occupations.

About 26,400 openings for firefighters are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for firefighters.

Similar Occupations

Compare the job duties, education, job growth, and pay of firefighters with similar occupations.

More Information, Including Links to O*NET

Learn more about firefighters by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Firefighters, at <https://www.bls.gov/ooh/protective-service/firefighters.htm> (visited *February 14, 2023*).

Kinesiology/Physical Education

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Kinesiology provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Kinesiology degree can be in the area of education and as an adaptive physical education specialist.

- Kinesiology/Physical Education AA Degree, Liberal Arts Major (p. 538)

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Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Kinesiology/Physical Education AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Kinesiology provides a solid foundation to pursue a Bachelor’s Degree. Potential career paths for students pursuing a Kinesiology degree can be in the area of education and as an adaptive physical education specialist.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
BIOL X4XX		4
KINE-1301	Foundations of Kinesiology	3
Hours		16
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
BIOL X4XX		4
MATH-1314	College Algebra	3
KINE-1304	Personal/Community Health	3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
KINE-1346 or SOCI-2340	Drug Use and Abuse or Drug Use and Abuse	3
KINE-1306	First Aid	3
Language, Philosophy, & Culture		3
Social & Behavioral Science		3
Hours		15
Term Four		
GOVT-2306	Texas Government	3
Creative Arts		3
SPCH-1315	Public Speaking	3
KINE-1338	Concepts of Physical Fitness	3
Suggested Pathway Elective		1
Hours		13
Total Hours		60

Kinesiology Pathway Electives

Code	Title	Hours
KINE-1308	Sports Officiating	3
KINE-1321	Coaching/Sports/Athletics	3
KINE-2356	Care & Prevention of Athletic Injuries	3
KINE-1111	Conditioning and Weight Training	1
or KINE-1116	Cardettes, Band & Cheerleaders	
or KINE-1117	Cardettes, Band & Cheerleaders	
or KINE-1122	Competitive Sports Skills	
or KINE-1123	Competitive Sports Skills	
or KINE-1131	Conditioning and Weight Training	
or KINE-1136	Cardettes, Band & Cheerleaders	
or KINE-1142	Competitive Sports Skills	
or KINE-1143	Competitive Sports Skills	
or KINE-2111	Conditioning and Weight Training	
or KINE-2131	Conditioning & Weight Training	

Contact TVCC advisement center and your transfer college or university to determine the transferability of courses and college or university requirements.

Pre-Law

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Pre-Law provides a solid foundation to pursue a Bachelor's Degree. Pre-Law degree usually take four years to complete and prepare students for entry-level careers in a variety of areas. In order to practice law, students must seek admission to law school and obtain a Juris Doctor (J.D.) degree.

Law schools accept students with majors in all areas of undergraduate study. Applicants with such diverse majors as business, political science, criminal justice, psychology, biology, environmental science and engineering, among others, are routinely accepted into law school.

- Pre-Law AA Degree, Liberal Arts Major (p. 541)

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Some careers in this field will require a bachelor's degree.

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- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Pre-Law AA Degree, Liberal Arts Major

Completion of an Associate of Arts, Liberal Arts Degree with an emphasis in Pre-Law provides a solid foundation to pursue a Bachelor's Degree. A Pre-Law degree usually takes four years to complete and prepares students for entry-level careers in various areas. To practice law, students must seek admission to law school and obtain a Juris Doctor (J.D.) degree.

Law schools accept students with majors in all areas of undergraduate study. Applicants with such diverse majors as business, political science, criminal justice, psychology,

biology, environmental science, and engineering, among others, are routinely accepted into law school.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
ECON-2301	Principles of Macroeconomics	3
Core MATH		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
SPCH-1315	Public Speaking	3
or SPCH-1321	or Business and Professional Communication	
Creative Arts		3
Social & Behavioral Science		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Suggested Pathway Elective		3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Pre-Law Pathway Electives

Code	Title	Hours
BUSI-2301	Business Law	3
ECON-2302	Principles of Microeconomics	3
ENGL-2311	Technical & Business Writing (One Semester Course)	3
GEOG-1303	World Regional Geography	3
HIST-2311	Western Civilization I	3
HIST-2312	Western Civilization II	3
SPAN-1411	Beginning Spanish I	4

Contact your transfer college or university to determine the transferability of courses and college or university requirements.

Psychology

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Psychology provides a solid foundation to pursue a Bachelor's Degree in Psychology or a related degree program. The psychology pathway follows the Texas Transfer Framework's Field of Study Curriculum, which includes discipline-relevant Texas Core Curriculum courses, Discipline Foundation courses, and Directed Elective courses that transfer and apply to the specific degree program.

Potential career paths for students pursuing a Psychology degree can be in the research, medical, business, or education areas.

- Psychology AA Degree, Liberal Arts Major (p. 545)

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- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Psychology AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Psychology provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Psychology degree can be in the research, medical, business, or education area.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
PSYC-2301	General Psychology	3
MATH-1342	Elementary Statistical Methods	3
or MATH-1314	or College Algebra	
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
PSYC-2314	Lifespan Growth and Development	3
Creative Arts		3
PSYC-2319	Social Psychology	3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
Component Area Option		3
PSYC-2320	Abnormal Psychology	3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
PSYC-2315	Psychology of Adjustment	3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Psychology Pathway Electives

Code	Title	Hours
PSYC-2317	Statistical Methods in Psychology <small>MATH-1314 Prerequisite</small>	3
PSYC-2330	Biological Psychology	3
PSYC-2306	Human Sexuality	3
PSYC-2308	Child Psychology	3

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Psychology Pathway Courses

PSYC-1300. Learning Frameworks. (3 Credits)

(3-3-0) Core Area 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the (1) research and theory in the psychology of learning, cognition and motivation, (2) factors that impact learning, and (3) application of learning strategies. Theoretical models of strategic learning, cognition and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

PSYC-2289. Academic Coop. (2 Credits)

(2-1-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An instructional program designed to integrate on-campus study with practical hands-on experience in psychology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions.

PSYC-2301. General Psychology. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. General Psychology is a survey of the major psychological topics, theories, and approaches to the scientific study of behavior and mental processes. PSYC 2301 is a designated core course in the Psychology Field of Study Curriculum.

PSYC-2306. Human Sexuality. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives - biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. PSYC 2306 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see advisor for more information. (Cross-listed as SOCI 2306)

PSYC-2308. Child Psychology. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course will address psychological development from conception through middle childhood with references to physical, cognitive, social, and personality changes. Students will examine the interplay of biological factors, human interaction, social structures, and cultural forces in development. PSYC 2308 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

PSYC-2314. Lifespan Growth and Development. (3 Credits)

(3-3-0) Core Area 080. This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Life-span growth and Development is a study of social, emotional, cognitive, and physical factors and influences of a developing human from conception to death. PSYC 2314 is a discipline foundation course in the Psychology Field of Study Curriculum.

PSYC-2315. Psychology of Adjustment. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the processes involved in adjustment of individuals to their personal and social environments. PSYC 2315 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

PSYC-2317. Statistical Methods in Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course covers descriptive and inferential statistics used in psychological research and assessment. It includes measurement, characteristics of distributions, measures of central tendency and variability, transformed scores, correlation and regression, probability theory, and hypotheses testing and inference. PSYC 2317 is a discipline foundation course in the Psychology Field of Study Curriculum.

PSYC-2319. Social Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of individual behavior within the social environment. Topics may include sociopsychological processes, attitude formation and change, interpersonal relations, group processes, self, social cognition, and research methods. PSYC 2319 is a discipline foundation course in the Psychology Field of Study Curriculum. This course is cross-listed as SOCI 2326. The student may register for either PSYC 2319 or SOCI 2326 but may receive credit for only one of the two.

PSYC-2320. Abnormal Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course provides an introduction to the psychological, biological, and socio-cultural factors involved in the development, diagnosis, and treatment of psychological disorders. It includes a review of the historical understanding of abnormal behavior and the development of modern diagnostic systems. It includes discussions of psychological research and practice as it relates to mental health and psychological functioning, as well as legal and ethical issues. PSYC 2320 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

PSYC-2330. Biological Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the biological bases of behavior. Topics include evolution, genetics, research methods in behavioral neuroscience, motivation and emotion, sensation and perception, learning and memory, lifespan development, cognition, psychological disorders, and other complex behaviors. PSYC 2330 is a directed elective course in the Psychology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Sociology

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Sociology provides a solid foundation to pursue a Bachelor's Degree in Sociology or related degree program. The sociology pathway follows the Texas Transfer Framework's Field of Study Curriculum, which includes discipline-relevant Texas Core Curriculum courses, Discipline Foundation courses, and Directed Elective courses that transfer and apply to the specific degree program.

Potential career paths for students pursuing a Psychology degree can be in the research, medical, business or education area.

- Sociology AA Degree, Liberal Arts Major (p. 551)

Career Coach & Transfer Opportunities

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- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Sociology AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Sociology provides a solid foundation to pursue a Bachelor's Degree in Sociology or related degree program. The sociology pathway follows the Texas Transfer Framework's Field of Study Curriculum, which includes discipline-relevant Texas Core Curriculum courses, Discipline Foundation courses, and Directed Elective courses that transfer and apply to the specific degree program.

Potential career paths for students pursuing a Sociology degree include labor relations specialists, sociologists, and climate change analysts.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
SOCI-1301	Introduction to Sociology	3
MATH-1342	Elementary Statistical Methods	3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
SOCI-2319	Minority Studies	3
Creative Arts		3
SOCI-1306	Social Problems	3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Language, Philosophy, & Culture		3
SOCI-2301	Marriage and the Family	3
ENGL-2311	Technical & Business Writing (One Semester Course)	3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
SOCI-2326	Social Psychology	3
Suggested Pathway Elective		4
Hours		14
Total Hours		60

Sociology Pathway Electives

Code	Title	Hours
SOCI-2336	Criminology	3
CRIJ-2301	Community Resources in Corrections	3
SOCI-2306	Human Sexuality	3
SOCI-2340	Drug Use and Abuse	3

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Sociology Pathway Courses

SOCI-1301. Introduction to Sociology. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. SOCI 1301 is a designated core course in the Sociology Field of Study Curriculum.

SOCI-1306. Social Problems. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Application of sociological principles and theoretical perspectives to major social problems in contemporary society such as inequality, crime and violence, substance abuse, environmental issues, deviance, or family problems. SOCI 1306 is a discipline foundation course in the Sociology Field of Study Curriculum.

SOCI-2289. Academic Coop. (2 Credits)

(2-1-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An instructional program designed to integrate on-campus study with practical hands-on experience in sociology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions.

SOCI-2301. Marriage and the Family. (3 Credits)

(3-3-0) Core Area 080 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society. SOCI 2301 is a discipline foundation course in the Sociology Field of Study Curriculum.

SOCI-2306. Human Sexuality. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives - biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. SOCI 2306 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information. (Cross-listed as PSYC 2306)

SOCI-2319. Minority Studies. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course studies minority-majority group relations, addressing their historical, cultural, social, economic, and institutional development in the United States. Both sociological and social psychological levels of analysis will be employed to discuss issues, including experiences of minority groups within the context of their cultural heritage and tradition, as well as that of the dominant culture. Core concepts to be examined include (but are not limited to) social inequality, dominance/subordination, prejudice, and discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion. SOCI 2319 is a discipline foundation course in the Sociology Field of Study Curriculum.

SOCI-2326. Social Psychology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. SOCI 2326 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information. This course is cross-listed as PSYC 2319. The student may register for either SOCI 2326 or PSYC 2319 but may receive credit for only one of the two.

SOCI-2336. Criminology. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The course surveys various theories of crime, with an emphasis on understanding the social causes of criminal behavior. The techniques for measuring crime as a social phenomenon and the characteristics of criminals are examined. This course addresses crime types (such as consensual or white-collar crimes), the criminal justice system, and other social responses to crime. SOCI 2336 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information.

SOCI-2340. Drug Use and Abuse. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the use and abuse of drugs in today's society. Emphasizes the physiological, sociological, and psychological factors. SOCI 2340 is a directed elective course in the Sociology Field of Study Curriculum reported as accepted by several Texas general academic institutions. Please see an advisor for more information. This course is cross-listed as KINE 1346. The student may register for either SOCI 2340 or KINE 1346 but may receive credit for only one of the two.

Teaching

Teaching Program Information

The Associate of Arts degree in Teaching is designed for students intending to transfer their coursework to a university program and pursue a career as a teacher in Texas. The AAT, developed and approved by the Texas Higher Education Coordinating Board (THECB), is intended to provide students at the community college with a fully transferable curriculum to any public Texas university or college with teacher preparation degrees.

TVCC offers three AAT pathways:

EC-6th Grade, complete core curriculum and:

- MATH-1350 Mathematics for Teachers I (Fundamentals of Mathematics I), MATH-1351 Mathematics for Teachers II (Fundamentals of Mathematics II) or equivalent (6 SCHs)
- EDUC-1301 Introduction to the Teaching Profession, EDUC-2301 Introduction to Special Populations (6 SCHs)
- Additional science beyond the core curriculum may be required. Check university for requirements.

4-8, EC-12th Grade with Special Education, complete core curriculum and:

- MATH-1350 Mathematics for Teachers I (Fundamentals of Mathematics I), MATH-1351 Mathematics for Teachers II (Fundamentals of Mathematics II) or equivalent (3-6 SCHs)
- Additional science beyond the core curriculum may be required. Check university for requirements
- EDUC-1301 Introduction to the Teaching Profession, EDUC-2301 Introduction to Special Populations (6 SCHs)

6-12 & EC-12th Grade without Special Education, complete core curriculum and:

- EDUC-1301 Introduction to the Teaching Profession, EDUC-2301 Introduction to Special Populations (6 SCHs)
- Content area teaching fields/academic disciplines (12 SCHs)

Note: Criminal history may disqualify individuals from volunteering, substitute teaching, and/or obtaining or maintaining teaching certifications. The State Board of Educator Certification (SBEC) requires all applicants to submit fingerprints for a national criminal history background check. This includes applicants for a:

- Standard teaching certificate
- Probationary certificate
- Educational aide certificate
- One-year certificate
- Temporary teaching certificate
- Permit

Individuals who have been convicted of an offense or placed on probation might not be eligible to volunteer, substitute teach, or become certified by the Texas SBEC even after completing an educational or training program. SBEC's criminal history guidelines are available at

https://tea.texas.gov/Texas_Educators/Certification/Fingerprinting/Requirements_for_Certification_Applicants/

University requirements for teacher education programs vary. Students are encouraged to contact the intended transferring university for specific degree requirements.

- Early Childhood - 6th Grade AAT Degree (p. 557)
- Teaching: 7th - 12th Grade AAT Degree (p. 559)

Career Coach & Transfer Opportunities

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- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Early Childhood - 6th Grade AAT Degree

Completion of an Associate of Arts Degree in Teaching prepares students to transfer to a public Texas college or university and pursue a degree in teacher preparation.

- Degree Type: AAT
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
MATH-1314	College Algebra	3
Social & Behavioral Science		3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Lang./Phil./Culture		3
Life & Physical Science		4
Creative Arts		3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
MATH-1350	Mathematics for Teachers I (Fundamentals of Mathematics I)	3
EDUC-1301	Introduction to the Teaching Profession	3
Approved AAT Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
MATH-1351	Mathematics for Teachers II (Fundamentals of Mathematics II)	3
EDUC-2301	Introduction to Special Populations	3
Hours		13
Total Hours		60

Course requires students to complete hours of field experience and observation in P-12 classrooms. Students will be responsible for completing background check prior to being cleared to observe in classrooms. Transportation to and from P-12 classrooms is the responsibility of the student.

AAT Pathway Electives

Code	Title	Hours
TECA-1354	Child Growth and Development	3
TECA-1311	Educating Young Children	3

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Teaching: 7th - 12th Grade AAT Degree

Completion of an Associate of Arts Degree in Teaching prepares students to transfer to a public Texas college or university and pursue a degree in teacher preparation.

- Degree Type: AAT
- All required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
EDUC-1301	Introduction to the Teaching Profession	3
MATH-1314	College Algebra	3
Hours		15
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
EDUC-2301	Introduction to Special Populations	3
Content Area Elective		3
Social & Behavioral Science		3
Hours		15
Term Three		
GOVT-2305	Federal Government Constitution	3
Life & Physical Science		4
Content Area Elective		3
Language, Philosophy, & Culture		3
Creative Arts		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Life & Physical Science		4
Content Area Elective		3
Component Area Requirement (CAO)		3
Content Area Elective		1
Hours		14
Total Hours		60

Course requires students to complete hours of field experience and observation in P-12 classrooms. Students will be responsible for completing background check prior to being cleared to observe in classrooms. Transportation to and from P-12 classrooms is the responsibility of the student.

Content area electives should be selected from the same academic discipline areas (i.e. science, history, English)

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Teaching Pathway Courses

EDUC-1300. Learning Framework. (3 Credits)

(3-3-0) Core Area 090 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the 1) research and theory in the psychology of learning, cognition and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.

EDUC-1301. Introduction to the Teaching Profession. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An enriched, integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high need fields. The course provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations and provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Course must include a minimum of 16 contact hours of field experience in P-12 classrooms.

EDUC-2301. Introduction to Special Populations. (3 Credits)

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. The course provides students with opportunities to participate in early field observations of P-12 special populations and should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations.

Science, Engineering and Math Pathway

- Drafting and Design
- Engineering
- Mathematics
- Science

Drafting and Design

Architects plan and design houses, factories, office buildings and other structures. Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Drafting and Design Technology AAS Degree (p. 564)
- Advanced Drafting Certificate (p. 566)
- Basic Drafting Certificate (p. 567)
- Computer Aided Drafting OSA (p. 568)

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Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Drafting & Design Technology AAS Degree

Architects plan and design houses, factories, office buildings and other structures.

Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Degree Type: AAS
- Not all required courses available online
- TSI (p. 48): required

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1314	College Algebra	3
EDUC-1300	Learning Framework	3
Lang./Phil./Culture or Creative Arts		3
Social/Behav. Science		3
Hours		15
Term One		
DFTG-1305	Technical Drafting	3
DFTG-1309	Basic Computer Aided Drafting	3
DFTG-1358	Electrical/Electronics Drafting	3
Hours		9
Term Two		
DFTG-2323	Pipe Drafting	3
BCIS-1305	Business Computer Applications	3
DFTG-2321	Topographical Drafting	3
MCHN-1320	Precision Tools and Measurement	3
Hours		12
Term Three		
ARCE-2344	Statics and Strength of Materials	3
DFTG-1317	Architectural Drafting, Residential	3
DFTG-1345	Parametric Modeling and Design	3
MCHN-1326	Introduction to Computer Aided Manufacturing	3
Hours		12
Term Four		
DFTG-2380 or APPROVED DFTG XXXX ELECTIVE	Coop Dftg & Design or	3
DFTG-2328	Architectural Drafting, Commercial	3
ARCE-1315	Structural Steel Detailing	3
DFTG-2340	Solid Modeling/Design	3
Hours		12
Total Hours		60

Advanced Drafting Certificate

Architects plan and design houses, factories, office buildings and other structures. Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Degree Type: Certificate
- Not all required courses available online
- Drafting offered on Athens campus
- TSI (p. 48): not required

This program leads to the Drafting & Design Technology AAS degree.

Course	Title	Hours
Term One		
DFTG-1358	Electrical/Electronics Drafting	3
MCHN-1320	Precision Tools and Measurement	3
ARCE-2344	Statics and Strength of Materials	3
DFTG-1317	Architectural Drafting, Residential	3
MCHN-1326	Introduction to Computer Aided Manufacturing	3
Hours		15
Term Two		
DFTG-2323	Pipe Drafting	3
DFTG-2321	Topographical Drafting	3
DFTG-2328	Architectural Drafting, Commercial	3
ARCE-1315	Structural Steel Detailing	3
Select one of the following:		
DFTG-2380	Coop Dftg & Design	3
Approved Elective		
Hours		15
Total Hours		30

Advanced Drafting Electives

Code	Title	Hours
DFTG-1305	Technical Drafting	3
DFTG-1345	Parametric Modeling and Design	3
DFTG-2340	Solid Modeling/Design	3

Basic Drafting Certificate

Architects plan and design houses, factories, office buildings and other structures. Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Degree Type: Certificate
- Not all required courses available online
- Drafting offered on Athens campus
- TSI (p. 48): not required

This program leads to the Advanced Drafting Certificate.

Course	Title	Hours
Term One		
DFTG-1305	Technical Drafting	3
DFTG-1309	Basic Computer Aided Drafting	3
DFTG-1345	Parametric Modeling and Design	3
Hours		9
Term Two		
BCIS-1305	Business Computer Applications	3
DFTG-2340	Solid Modeling/Design	3
Select one of the following:		3
DFTG-2380	Coop Dftg & Design	3
Approved Electives		
Hours		12
Total Hours		21

Basic Drafting Certificate Electives

Code	Title	Hours
DFTG-2323	Pipe Drafting	3
MCHN-1320	Precision Tools and Measurement	3
DFTG-1317	Architectural Drafting, Residential	3
MCHN-1326	Introduction to Computer Aided Manufacturing	3
ARCE-1315	Structural Steel Detailing	3

Computer Aided Drafting OSA

Occupational skills achievement awards (OSA) are locally approved sequences of credit courses designed to provide entry level employment skills or industry certifications in an abbreviated timeframe.

- Degree Type: None awarded
- All required courses available online
- Drafting offered on Athens campus
- TSI (p. 48): not required

This program leads to the Basic Drafting Certificate.

Course	Title	Hours
Term One		
DFTG-1305	Technical Drafting	3
DFTG-1309	Basic Computer Aided Drafting	3
Hours		6
Term Two		
DFTG-1345	Parametric Modeling and Design	3
DFTG-2340	Solid Modeling/Design	3
Hours		6
Total Hours		12

Students successfully completing the Computer Aided Drafting OSA are encouraged to pursue the **Basic Drafting Certificate** by completing three additional courses.

Drafting and Design Pathway Courses

DFTG-1305. Technical Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Lab fee.

DFTG-1309. Basic Computer Aided Drafting. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/ print to scale. Lab fee.

DFTG-1310. Specialized Basic Computer Aided Drafting (CAD). (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A supplemental course to Basic Computer Aided Drafting using an alternative computer-aided drafting (CAD) software to create detail and working drawings.

DFTG-1317. Architectural Drafting, Residential. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Preparation of architectural drawings for residential structures with emphasis on light frame construction methods, including architectural drafting procedures, practices, terms, and symbols. Lab fee.

DFTG-1345. Parametric Modeling and Design. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Parametric-based design software for 3-D design and drafting. Lab fee.

DFTG-1357. Specialized Intermediate Computer Aided Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of practices and techniques used in Specialized Basic Computer-Aided Drafting. Emphasizes advanced dimensioning techniques, the development and use of prototype drawings, construction of pictorial drawings, interfacing 2-D and/or 3-D environments and extracting data. Lab fee.

DFTG-1358. Electrical/Electronics Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Electrical and electronic drawings stressing modern representation used for block diagrams, schematic diagrams, logic diagrams, wiring/assembly drawings, printed circuit boards layouts, motor control diagrams, power distribution diagrams, and electrical one-line diagrams. Lab fee.

DFTG-1409. Basic Computer Aided Drafting. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/ print to scale. Lab fee.

DFTG-1417. Architectural Drafting, Residential. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Architectural drafting procedures, practices, terms, and symbols. Preparation of detailed working drawings for residential structure. Emphasis on light frame construction methods. Lab fee.

DFTG-1433. Mechanical Draft. (4 Credits)

Preparation of mechanical drawings including dimensioning and tolerances, sectioning techniques, orthographic projection, and pictorial drawings.

DFTG-1445. Parametric Modeling and Design. (4 Credits)

Parametric-based design software for 3D design and drafting.

DFTG-2280. Coop Education, Drafting and Design Technology/Technician, General. (2 Credits)

(2-1-10) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the College, employer and student. Under supervision of the College and the employer, the student combines classroom learning with work experience. Includes a lecture component. Lab fee.

DFTG-2321. Topographical Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Plotting of surveyor's field notes. Includes drawing elevations, contour lines, plan and profiles, and laying out traverses. Lab fee.

DFTG-2323. Pipe Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of pipe fittings, symbols, specifications and their applications to a piping process system. Creation of symbols and their usage in flow diagrams, plans, elevations, and isometrics. Lab fee.

DFTG-2328. Architectural Drafting, Commercial. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Architectural drafting procedures, practices, governing codes, terms and symbols, including the preparation of detailed working drawings for a commercial building, with emphasis on commercial construction methods. Lab fee.

DFTG-2340. Solid Modeling/Design. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work. Lab fee.

DFTG-2380. Coop Dftg & Design. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

DFTG-2432. Advanced Computer-Aided Drafting. (4 Credits)

Application of advanced CAD techniques.

DFTG-2440. Solid Modeling/Design. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work.

ARCE-1315. Structural Steel Detailing. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course covers the preparation of structural steel drawings and bills of material for the purpose of fabrication and erection. Emphasis will be placed upon using structural design framing plans to develop detailed steel members, connections, and assemblies. Lab fee.

ARCE-1352. Structural Drafting. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of structural systems including concrete foundations and frames, wood framing and trusses, and structural steel framing systems. Includes detailing of concrete, wood, and steel to meet industry standards including the American Institute of Steel Construction and The American Concrete Institution. Lab fee.

ARCE-2344. Statics and Strength of Materials. (3 Credits)

(3-3-0) This course is taken for academic credit. (Prerequisite: DFTG 1305) Students will earn an A, B, C, D, F, or W. Internal effects of forces acting upon elastic bodies and the resulting changes in form and dimensions. Includes stress, shear, bending moments, and simple beam design. Lab fee.

Drafting and Design Occupational Outlook

WHAT DRAFTERS DO

Drafters use software to convert the designs of architects and engineers into technical drawings. Most workers specialize in architectural, civil, electrical, or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

DUTIES

Drafters typically do the following:

- Design plans using computer-aided design (CAD) software
- Work from rough sketches and specifications created by engineers and architects
- Design products with engineering and manufacturing techniques
- Add details to architectural plans from their knowledge of building techniques
- Specify dimensions, materials, and procedures for new products
- Work under the supervision of engineers or architects

Some drafters are referred to as *CAD operators*. Using CAD systems, drafters create and store technical drawings digitally. These drawings contain information on how to build a structure or machine, the dimensions of the project, and what materials are needed to complete the project.

Drafters work with CAD to create schematics that can be viewed, printed, or programmed directly into building information modeling (BIM) systems. These systems allow drafters, architects, construction managers, and engineers to create and collaborate on digital models of physical buildings and machines. Through three-dimensional rendering, BIM software allows designers and engineers to see how different elements in their projects work together.

The following are examples of types of drafters:

Architectural drafters draw structural features and details for buildings and other construction projects. These workers may specialize in a type of building, such as residential or commercial. They may also specialize by the materials used, such as steel, wood, or reinforced concrete.

Civil drafters prepare topographical maps used in construction and civil engineering projects, such as highways, bridges, and dams.

Electrical drafters prepare wiring diagrams that construction workers use to install and repair electrical equipment and wiring in power plants, electrical distribution systems, and residential and commercial buildings.

Electronics drafters produce wiring diagrams, assembly diagrams for circuit boards, and layout drawings used in manufacturing and in installing and repairing electronic devices and components.

Mechanical drafters prepare layouts that show the details for a variety of machinery and mechanical tools and devices, such as medical equipment. These layouts indicate dimensions, fastening methods, and other requirements for assembly. Mechanical drafters sometimes create production molds.

SUMMARY

- Drafters
- 2021 Median Pay: \$60,290 per year, \$28.99 per hour
- Typical Entry-Level Education: Associate's degree
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2021: 192,200
- Job Outlook, 2021-31: -3% decline
- Employment Change, 2021-31: -6,700

WORK ENVIRONMENT

Although drafters spend much of their time working on computers in an office, some may visit jobsites in order to collaborate with architects and engineers. Most drafters work full-time.

HOW TO BECOME A DRAFTER

Drafters typically complete education after high school, often through a program at a community college or technical school. Some programs lead to an associate of applied science in drafting or a related degree. Others result in a certificate or diploma.

PAY

The median annual wage for drafters was \$60,290 in May 2021.

JOB OUTLOOK

Overall employment of drafters is projected to decline by 3 percent from 2021 to 2031.

Despite declining employment, about 18,900 openings for drafters are projected each year, on average, over the decade. All of those openings are expected to result from the need to replace workers who transfer to other occupations or exit the labor force, such as to retire.

STATE & AREA DATA

Explore resources for employment and wages by state and area for drafters.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of drafters with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about drafters by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Drafters, on the Internet at <https://www.bls.gov/ooh/architecture-and-engineering/drafters.htm> (visited *January 18, 2023*).

Engineering

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Pre-Engineering provides a solid foundation to pursue a Bachelor's Degree in Engineering. Potential career paths for students in nuclear engineering, chemical engineering, and petroleum engineering.

- Pre-Engineering AA Degree, Liberal Arts Major (p. 576)

The courses in the Engineering Pathway can be found in the Program Sequence Page (p. 576)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Pre-Engineering AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Pre-Engineering provides a solid foundation to pursue a Bachelor’s Degree in Engineering. Potential career paths for students in nuclear engineering, chemical engineering, and petroleum engineering.

- Degree Type: AA, Liberal Arts (Multidisciplinary)
- Most required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
HIST-1301	United States History I	3
MATH-2413	Calculus I	4
Hours		13
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Language, Philosophy, & Culture		3
ECON-2301	Principles of Macroeconomics	3
Suggested Pathway Elective		4
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
PHYS-2425	University Physics I	4
Creative Arts		3
Component Area Requirement (CAO		3
Suggested Pathway Elective		4
Hours		17
Term Four		
GOVT-2306	Texas Government	3
PHYS-2426	University Physics II	4
Suggested Pathway Elective		4
Suggested Pathway Elective		3
Hours		14
Total Hours		60

Pre-Engineering Pathway Electives

Code	Title	Hours
BIOL-1406	Biology for Science Majors I	4
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
CHEM-2423	Organic Chemistry I	4
MATH-2414	Calculus II	4
MATH-2415	Calculus III	4
MATH-2320	Differential Equations	3
MATH-2318	Linear Algebra	3

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Engineering Occupational Outlook

What Mechanical Engineers Do

Computer technology helps mechanical engineers create and analyze designs.

Mechanical engineers research, design, develop, build, and test mechanical and thermal sensors and devices, including tools, engines, and machines.

Duties

Mechanical engineers typically do the following:

- Analyze problems to see how mechanical and thermal devices might help solve a particular problem
- Design or redesign mechanical and thermal devices or subsystems, using analysis and computer-aided design
- Investigate equipment failures or difficulties to diagnose faulty operation and to recommend remedies
- Develop and test prototypes of devices they design
- Analyze the test results and change the design or system as needed
- Oversee the manufacturing process for the device

Mechanical engineering is one of the broadest engineering fields. Mechanical engineers design and oversee the manufacture of many products ranging from medical devices to new batteries.

Mechanical engineers design power-producing machines, such as electric generators, internal combustion engines, steam and gas turbines, and power-using machines, such as refrigeration and air-conditioning systems.

Mechanical engineers design other machines inside buildings, such as elevators and escalators. They also design material-handling systems, such as conveyor systems and automated transfer stations.

Like other engineers, mechanical engineers use computers extensively. Mechanical engineers are routinely responsible for the integration of sensors, controllers, and machinery. Computer technology helps mechanical engineers create and analyze designs, run simulations and test how a machine is likely to work, interact with connected systems, and generate specifications for parts.

The following are examples of types of mechanical engineers:

Auto research engineers seek to improve the performance of cars. These engineers work to improve traditional features of cars such as suspension, and they also work on aerodynamics and new possible fuels.

Heating and cooling systems engineers work to create and maintain environmental systems wherever temperatures and humidity must be kept within certain limits. They develop such systems for airplanes, trains, cars, schools, and even computer rooms.

Robotic engineers plan, build, and maintain robots. These engineers plan how robots will use sensors for detecting things based on light or smell, and they design how these sensors will fit into the designs of the robots.

SUMMARY

- 2021 Median Pay: \$95,300 per year, \$45.82 per hour
- Typical Entry-Level Education: Bachelor's degree
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs, 2021: 284,900
- Job Outlook, 2021-31: 2% (Slower than average)
- Employment Change, 2021-31: 6,400

What Mechanical Engineers Do

Mechanical engineers design, develop, build, and test mechanical and thermal sensors and devices.

Work Environment

Mechanical engineers generally work in offices. They may occasionally visit worksites where a problem or piece of equipment needs their personal attention. Mechanical engineers work mostly in engineering services, research and development, and manufacturing.

How to Become a Mechanical Engineer

Mechanical engineers typically need a bachelor's degree in mechanical engineering or mechanical engineering technology. All states and the District of Columbia require mechanical engineers who sell services to the public to be licensed.

Pay

The median annual wage for mechanical engineers was \$95,300 in May 2021.

Job Outlook

Employment of mechanical engineers is projected to grow 2 percent from 2021 to 2031, slower than the average for all occupations.

Despite limited employment growth, about 17,900 openings for mechanical engineers are projected each year, on average, over the decade. Most of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for mechanical engineers.

Similar Occupations

Compare the job duties, education, job growth, and pay of mechanical engineers with similar occupations.

More Information, Including Links to O*NET

Learn more about mechanical engineers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Preschool Teachers, on the Internet at <https://www.bls.gov/ooh/architecture-and-engineering/mechanical-engineers.htm> (visited *February 06, 2023*).

Mathematics

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Mathematics provides a solid foundation to pursue a Bachelor's Degree in Mathematics. Potential career paths for students include mathematicians, statisticians, engineers, and mathematics educators.

- Mathematics AA Degree, Liberal Arts Major (p. 582)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Mathematics AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Mathematics provides a solid foundation to pursue a Bachelor’s Degree in Mathematics. Potential career paths for students include mathematicians, statisticians, engineers, and mathematics educators.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- Most required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
HIST-1301	United States History I	3
MATH-2413	Calculus I	4
Suggested Pathway		4
Elective		
Hours		17
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
MATH-2414	Calculus II	4
Creative Arts		3
Suggested Pathway		3
Elective		
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
PHYS-2425	University Physics I	4
Language, Philosophy, & Culture		3
MATH-2415	Calculus III	4
Hours		14
Term Four		
GOVT-2306	Texas Government	3
PHYS-2426	University Physics II	4
Social & Behavioral Science		3
Suggested Pathway		3
Elective		
Hours		13
Total Hours		60

Math Pathways Suggested Electives

Code	Title	Hours
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
MATH-2318	Linear Algebra	3
MATH-2320	Differential Equations	3

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Mathematics Pathway Courses

MATH-1314. College Algebra. (3 Credits)

(3-3-0) Core Area 020 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions and systems of equations using matrices. Additional topics such as sequences, series, probability and conics may be included.

MATH-1324. Mathematics for Business & Social Sciences. (3 Credits)

(3-3-0) Core Area 020 This course is taken for academic credit. (Prerequisite: Meets TSI college readiness algebraic intensive standard) Students will earn an A, B, C, D, F, or W. The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.

MATH-1325. Calculus for Business and Social Sciences. (3 Credits)

(3-3-0) Core Area 020 This course is taken for academic credit. (Prerequisite: MATH 1314 or MATH 1324) Students will earn an A, B, C, D, F, or W. The basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics and social sciences.

MATH-1332. Contemporary Mathematics (Quantitative Reasoning). (3 Credits)

(3-3-0) Core Area 020 This course is taken for academic credit. (Prerequisite: Meets TSI college readiness non-algebraic intensive standard) Students will earn an A, B, C, D, F, or W. Intended for Non STEM (Science, Technology, Engineering, and Mathematics) majors. Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication should be embedded through the course. Additional topics may be covered.

MATH-1342. Elementary Statistical Methods. (3 Credits)

(3-3-0) Core Area 020 This course is taken for academic credit. (Prerequisite: Meets TSI college readiness non-algebraic intensive standard) Students will earn an A, B, C, D, F, or W. Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.

MATH-1350. Mathematics for Teachers I (Fundamentals of Mathematics I). (3 Credits)

(3-3-0) Core Area 090 This course is taken for academic credit. (Prerequisite: MATH 1314) Students will earn an A, B, C, D, F, or W. Builds or reinforces a foundation in fundamental mathematics concepts and skills. It includes the conceptual development of the following: sets, functions, numeration systems, number theory, and properties of the various number systems with an emphasis on problem solving and critical thinking.

MATH-1351. Mathematics for Teachers II (Fundamentals of Mathematics II). (3 Credits)

(3-3-0) Core Area 090 This course is taken for academic credit. (Prerequisite: MATH 1314) Students will earn an A, B, C, D, F, or W. Builds or reinforces a foundation in fundamental mathematics concepts and skills. It includes the concepts of geometry, measurement, probability, and statistics with an emphasis on problem solving and critical thinking.

MATH-2312. Pre-Calculus Math. (3 Credits)

(3-3-0) Core Area 020 This course is taken for academic credit. (Prerequisite: MATH 1314) Students will earn an A, B, C, D, F, or W. In-depth combined study of algebra, trigonometry and other topics for calculus readiness.

MATH-2318. Linear Algebra. (3 Credits)

(3-4-0) Core Area 090 This course is taken for academic credit. (Prerequisite: MATH 2414) Students will earn an A, B, C, D, F, or W. Introduces and provides models for application of the concepts of vector algebra. Topics include finite dimensional vector spaces and their geometric significance; representing and solving systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion; matrices; determinants; linear transformations; quadratic forms; eigenvalues and eigenvector; and applications in science and engineering.

MATH-2320. Differential Equations. (3 Credits)

(3-3-0) Core Area 090 This course is taken for academic credit. (Prerequisite: MATH 2414) Students will earn an A, B, C, D, F, or W. Ordinary differential equations, including linear equations, systems of equations, equations with variable coefficients, existence and uniqueness of solutions, series solutions, singular points, transform methods and boundary value problems; application of differential equations to real-world problems.

MATH-2413. Calculus I. (4 Credits)

(4-4-0) Core Area 090 This course is taken for academic credit. (Prerequisite: MATH 2312) Students will earn an A, B, C, D, F, or W. Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas.

MATH-2414. Calculus II. (4 Credits)

(4-4-0) Core Area 090 This course is taken for academic credit. (Prerequisite: MATH 2413) Students will earn an A, B, C, D, F, or W. Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals.

MATH-2415. Calculus III. (4 Credits)

(4-5-0) Core Area 090 This course is taken for academic credit. (Prerequisite: MATH 2414) Students will earn an A, B, C, D, F, or W. Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem and Stokes' Theorem.

Science

The Science Division at Trinity Valley Community College (TVCC) provides a quality education for students enrolled in academic transfer courses in biology, chemistry, physics, and physical science.

The division is staffed with highly-qualified instructors with a diverse range of teaching methods. Courses are taught through traditional classroom lecture, hands-on classroom labs, remotely, hybrid, online, and HyFlex (class meetings and materials available so that students can access them online or in-person, during or after class sessions). Our small student to teacher ratio assures that students receive personalized attention in the classroom. Class schedules are designed to meet the needs of both full-time and part-time students.

Our main focus is to enhance the educational experience of TVCC students by providing a variety of science courses designed to meet the requirements for an associate degree, a technical program, or for transfer to a four-year institution.

- Biology AA Degree, Liberal Arts Major (p. 587)
- Biomedical Sciences Pre-Professional Programs AA Degree (p. 590)
- Chemistry AA Degree, Liberal Arts Major (p. 594)
- Physical Science AA Degree, Liberal Arts Major (p. 598)
- Physics AA Degree, Liberal Arts Major (p. 601)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on their interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Biology AA Degree, Liberal Arts Major

Biology is the science of life and living organisms. Trinity Valley Community College's Biological Science program will help you understand the nature, scope, and relationships of life forms, as well as how biology applies to the environment, engineering, medicine, and everyday life.

An associate's degree in the biological sciences can lead to a number of entry-level jobs, including Laboratory Technician, Medical Assistant, and Veterinary Technician. However, many careers in this field require more advanced levels of education with the completion of an Associate of Arts, Liberal Arts Degree with an emphasis in Biology providing a solid foundation to pursue a Bachelor's Degree.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- Most required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
BIOL-1406	Biology for Science Majors I	4
MATH-1314	College Algebra	3
Hours		16
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Biology for Science Majors II		4
Suggested Pathway Elective		3
Hours		13
Term Three		
GOVT-2305	Federal Government Constitution	3
Creative Arts		3
Language, Philosophy, & Culture		3
Suggested Pathway Elective		4
Suggested Pathway Elective		3
Hours		16
Term Four		
GOVT-2306	Texas Government	3
Component Area Requirement (CAO)		3
Social & Behavioral Science		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		15
Total Hours		60

Science Pathway Electives

Code	Title	Hours
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
CHEM-2423	Organic Chemistry I	4
MATH-1342	Elementary Statistical Methods	3
MATH-2413	Calculus I	4
PHYS-1401	College Physics I	4
PHYS-1402	College Physics II	4

Contact TVCC Advising Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Biomedical Sciences Pre-Professional Programs AA Degree

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Biomedical Sciences provides a solid foundation to pursue a Bachelor's Degree. Potential career paths for students pursuing a Biomedical Science degree include microbiologists, geneticists, epidemiologists, and family/general practitioners.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- Most required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
CHEM-1411	General Chemistry I	4
MATH-2413	Calculus I	4
Hours		17
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
CHEM-1412	General Chemistry II	4
Social & Behavioral Science		3
Suggested Pathway Elective		3
Hours		16
Term Three		
GOVT-2305	Federal Government Constitution	3
Creative Arts		3
Language, Philosophy, & Culture		3
Suggested Pathway Elective		3
Suggested Pathway Elective)		3
Suggested Pathway Elective		3
Hours		12
Total Hours		60

Biomedical Science Pathway Electives

Code	Title	Hours
BIOL-1406	Biology for Science Majors I	4
BIOL-1407	Biology for Science Majors II	4
BIOL-2401	Anatomy and Physiology I	4
BIOL-2402	Anatomy and Physiology II	4
CHEM-2423	Organic Chemistry I	4
MATH-1342	Elementary Statistical Methods	3
PHYS-1401	College Physics I	4
PHYS-1402	College Physics II	4
PHYS-2425	University Physics I	4
PHYS-2426	University Physics II	4

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Biology Pathway Courses

BIOL-1322. Nutrition and Diet Therapy. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduces general nutritional concepts in health and disease and includes practical applications of that knowledge. Special emphasis is given to nutrients and nutritional processes including functions, food sources, digestion, absorption and metabolism. Food safety, availability and nutritional information including food labels, advertising and nationally established guidelines are addressed.

BIOL-1406. Biology for Science Majors I. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. (Prerequisite Math 1314 or concurrent enrollment in higher-level math) Students will earn an A, B, C, D, F, or W. Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation and classification. Concepts of cytology, reproduction, genetics and scientific reasoning are included. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-1407. Biology for Science Majors II. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. (Prerequisite Math 1314 or concurrent enrollment in higher-level math). Students will earn an A, B, C, D, F, or W. The diversity and classification of life will be studied, including animals, plants, protists, fungi and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology and evolution of plants and animals. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-1408. Biology for Non-Science Majors I. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Provides a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including chemistry of life, cells, structure, function, and reproduction. Lab fee.

BIOL-1409. Biology for Non-Science-Majors II. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Provides a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Laboratory activities will reinforce a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology. Lab fee.

BIOL-2401. Anatomy and Physiology I. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The first part of a two course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-2402. Anatomy and Physiology II. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluids and electrolyte balance) and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-2404. Anatomy and Physiology. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory and circulatory systems. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

BIOL-2420. Microbiology for Non-Science Majors. (4 Credits)

(4-3-3) (Core Area 030) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Covers basic microbiology and immunology and is primarily directed at pre-nursing, pre-allied health and non-science majors. It provides an introduction to historical concepts of the nature of microorganisms, microbial diversity, the importance of microorganisms and acellular agents in the biosphere, and their roles in human and animal diseases. Major topics include bacterial structure as well as growth, physiology, genetics, and biochemistry of microorganisms. Emphasis is on medical microbiology, infectious diseases and public health. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

Chemistry AA Degree, Liberal Arts Major

Students who complete an Associate of Arts, Liberal Arts Degree with an emphasis in Chemistry will gain a basic understanding and appreciation of nature, critical thinking, and problem-solving appropriate for a profession in chemistry and related disciplines. Graduates of the program are qualified to work in entry-level chemistry professions or use it to supplement their current career in industry.

Many chemistry careers require education beyond the associate degree and the AA, Liberal Arts Degree with an emphasis in Chemistry provides a solid foundation to pursue a Bachelor's Degree. Students should work with their advisor to tailor course selections to align with their chosen transfer university.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- Most required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
HIST-1301	United States History I	3
EDUC/PSYC-1300	Learning Framework	3
CHEM-1411	General Chemistry I	4
MATH-2413	Calculus I	4
Hours		17
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
CHEM-1412	General Chemistry II	4
Suggested Pathway Elective		3
Hours		13
Term Three		
GOVT-2305	Federal Government Constitution	3
Language, Philosophy, & Culture		3
Creative Arts		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		15
Term Four		
GOVT-2306	Texas Government	3
Social & Behavioral Science		3
Component Area Requirement (CAO)		3
Suggested Pathway Elective		3
Suggested Pathway Elective		3
Hours		15
Total Hours		60

Chemistry Pathway Electives

Code	Title	Hours
BIOL-1406	Biology for Science Majors I	4
BIOL-1407	Biology for Science Majors II	4
CHEM-2423	Organic Chemistry I	4
MATH-2414	Calculus II	4
MATH-2415	Calculus III	4
MATH-2318	Linear Algebra	3
MATH-2320	Differential Equations	3
PHYS-2425	University Physics I	4
PHYS-2426	University Physics II	4

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Chemistry Pathway Courses

CHEM-1405. Introductory Chemistry I. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry and environmental/consumer chemistry. Designed for non-science and allied health students. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-1407. Introductory Chemistry II. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of Chemistry 1405. Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-1411. General Chemistry I. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. (Prerequisite Math 1314 or equivalent academic preparation) Students will earn an A, B, C, D, F, or W. Fundamental principles of chemistry for majors in the sciences, health sciences and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases and an introduction to thermodynamics and descriptive chemistry. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-1412. General Chemistry II. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. (Prerequisite CHEM 1411) Students will earn an A, B, C, D, F, or W. A continuation of CHEM 1411 with topics covering chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

CHEM-2423. Organic Chemistry I. (4 Credits)

(4-3-3) CORE AREA 030 This course is taken for academic credit. (Prerequisite CHEM 1412) Students will earn an A, B, C, D, F, or W. Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

Physical Science AA Degree, Liberal Arts Major

Physical science involves studying and analyzing the nature and properties of energy and non-living things. At Trinity Valley Community College, you'll have the opportunity to explore subjects such as oceanography, meteorology, earth science, organic chemistry, engineering, physics, astronomy, and more.

An associate's degree in Physical Science can lead to a number of entry-level jobs in the sciences, including Environmental Science Technician, Mechanical Engineering Technician, and Geology Technician. However, many careers in this field require more advanced levels of education, and completion of an Associate of Arts Liberal Arts Degree with an emphasis in Physical Science provides a solid foundation to pursue a Bachelor's Degree in Physical Science.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- Most required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
HIST-1301	United States History I	3
PHYS-1415	Physical Science I	4
MATH-2413	Calculus I	4
	Hours	17
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
PHYS-1417	Physical Science II	4
Social & Behavioral Science		3
Suggested Pathway Elective		4
	Hours	17
Term Three		
GOVT-2305	Federal Government Constitution	3
Language, Philosophy, & Culture		3
Component Area Requirement (CAO)		3
Suggested Pathway Elective		4
	Hours	13
Term Four		
GOVT-2306	Texas Government	3
Creative Arts		3
Suggested Pathway Elective		4
Suggested Pathway Elective		3
	Hours	13
	Total Hours	60

Physical Science Pathway Electives

Code	Title	Hours
BIOL-1406	Biology for Science Majors I	4
BIOL-1407	Biology for Science Majors II	4
CHEM-1405	Introductory Chemistry I	4
CHEM-1407	Introductory Chemistry II	4
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4
CHEM-2423	Organic Chemistry I	4
MATH-2413	Calculus I	4
MATH-2414	Calculus II	4
MATH-2415	Calculus III	4
MATH-2318	Linear Algebra	3
MATH-2320	Differential Equations	3
PHYS-1401	College Physics I	4
PHYS-1402	College Physics II	4
PHYS-2425	University Physics I	4
PHYS-2426	University Physics II	4

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Physics AA Degree, Liberal Arts Major

Completion of an Associate of Arts Liberal Arts Degree with an emphasis in Physics provides a solid foundation to pursue a Bachelor's Degree in Physics. Potential career paths for students include water resource specialists, chemical engineers, environmental engineers, and nuclear engineers.

- Degree Type: AA, Liberal Arts (Multidisciplinary) (p. 207)
- Most required courses are available online
- TSI (p. 48): required

Course	Title	Hours
Term One		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
HIST-1301	United States History I	3
MATH-2413	Calculus I	4
	Hours	13
Term Two		
ENGL-1302	Composition II	3
HIST-1302	United States History II	3
Language, Philosophy, & Culture		3
PHYS-2425	University Physics I	4
	Hours	13
Term Three		
GOVT-2305	Federal Government Constitution	3
PHYS-2426	University Physics II	4
Social & Behavioral Science		3
Component Area Requirement (CAO)		3
Suggested Pathway Elective		4
	Hours	17
Term Four		
GOVT-2306	Texas Government	3
Suggested Pathway Elective		4
Creative Arts		3
Suggested Pathway Elective		3
Suggested Pathway Elective		4
	Hours	17
	Total Hours	60

Physics Pathway Suggested Electives

Code	Title	Hours
MATH-2414	Calculus II	4
MATH-2415	Calculus III	4
MATH-2318	Linear Algebra	3
MATH-2320	Differential Equations	3
CHEM-1411	General Chemistry I	4
CHEM-1412	General Chemistry II	4

Contact TVCC Advisement Center and your transfer college or university to determine the transferability of courses and college or university requirements.

Physics Pathway Courses

PHYS-1401. College Physics I. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: MATH 1314 and MATH 1316, OR MATH 2312) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1402. College Physics II. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: PHYS 1401) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics and modern physics topics; with emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1415. Physical Science I. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy, and meteorology. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1417. Physical Science II. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy and meteorology. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-2425. University Physics I. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: MATH 2413) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using calculus, for science, computer science and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-2426. University Physics II. (4 Credits)

(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: PHYS 2425 and MATH 2414) Students will earn an A, B, C, D, F, or W. Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound light and optics. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

Service and Production Industry Pathway

- Automation and Controls
- Construction Trades
- Cosmetology
- Electrical Lineworker Certificate
- Fabrication Technology
- HVAC
- Robotics Technology
- Welding

Automation and Controls

The Automation & Controls program provides students with knowledge and skills in technical, electrical, and controls that are utilized in troubleshooting electronics, automation, and manufacturing business operations.

- Automation and Controls Engineering Technology AAS (p. 606)
- Automation and Controls Engineering Technology Certificate (p. 608)

This program leads to an Automation and Controls AAS degree.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Automation and Controls Engineering Technology AAS

The Automation & Controls Engineering Technology AAS degree provides students with knowledge and skills in technical, electrical, and controls that are utilized in troubleshooting electronics, automation, and manufacturing business operations.

- Degree Type: Associate's Degree
- TSI (p. 48): not required

This program is not designed not to transfer.

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1314	College Algebra	3
Lang./Phil./Culture or Creative Arts		
ENGL-2322	British Literature I	3
or ENGL-2323	or British Literature II or American	
or ENGL-2327	Literature I	
or ENGL-2328	or American Literature II	
or ENGL-2332	or World Literature I	
or ENGL-2333	or World Literature II	
or PHIL-1301	or Introduction to Philosophy	
or PHIL-2306	or Introduction to Ethics	
or HUMA-1301	or Introduction to Humanities	
or SPAN-2311	or Intermediate Spanish I	
or SPAN-2312	or Intermediate Spanish II or Art	
or ARTS-1301	Appreciation	
or ARTS-1303	or Art History I (prehistoric to the 14th Century)	
or ARTS-1304	or Art History II (14th Century to Present)	
or ARTS-1313	or Foundations of Art	
or DRAM-1310	or Theater Appreciation	
or DRAM-2366	or Film Appreciation	
or MUSI-1306	or Music Appreciation	
or MUSI-1307	or Music Literature	
or MUSI-1310	or American Music	

GOVT-2305	Federal Government Constitution	3
EDUC-1300	Learning Framework	3
or PSYC-1300	or Learning Frameworks	
Hours		15
Term One		
BCIS-1305	Business Computer Applications	3
MCHN-1320	Precision Tools and Measurement	3
DFTG-1310	Specialized Basic Computer Aided Drafting (CAD)	3
ELPT-1311	Basic Electrical Theory	3
ELMT-1305	Basic Fluid Power	3
Hours		15
Term Two		
MCHN-2344	Computerized Numerical Control Programming	3
DFTG-1357	Specialized Intermediate Computer Aided Drafting	3
RBTC-1243	Robotics	2
ELPT-1341	Motor Control	3
Hours		11
Term Three		
INMT-1343	Computer Aided Design/Computer Aided	3
Manufacturing		
MCHN-2335	Advanced CNC Machining	3
ELMT-1301	Programmable Logic Controllers	3
RBTC-2239	Robot Programming and Diagnostics	2
Hours		11
Term Four		
MCHN-1380	Machine Tool Technology/Machinist (or Approved	3
Elective)		
RBTC-1241	Vision Systems	2
ELMT-2339	Advanced Programmable Logic Controllers	3
(Capstone)		
Hours		8
Total Hours		60

Automation and Controls Engineering Technology Pathway Electives

Code	Title	Hours
ARCE-2344	Statics and Strength of Materials	3
DFTG-2340	Solid Modeling/Design	3

Automation and Controls Engineering Technology Certificate

The Automation & Controls certificate provides students with knowledge and skills in technical, electrical, and controls that are utilized in troubleshooting electronics, automation, and manufacturing business operations.

- Degree Type: Certificate
- Courses available on the Athens Campus
- TSI (p. 48): not required

This program leads to an Automation and Controls AAS degree.

Course	Title	Hours
Term One		
ELMT-1301	Programmable Logic Controllers	3
RBTC-2239	Robot Programming and Diagnostics	2
ELMT-1305	Basic Fluid Power	3
ELPT-1311	Basic Electrical Theory	3
Hours		11
Term Two		
ELMT-2339	Advanced Programmable Logic Controllers	3
ELPT-1341	Motor Control	3
RBTC-1241	Vision Systems	2
RBTC-1243	Robotics	2
Hours		10
Total Hours		21

Automation and Controls Pathway Courses

Code	Title	Hours
MCHN-1320	Precision Tools and Measurement	3
DFTG-1310	Specialized Basic Computer Aided Drafting (CAD)	3
ELPT-1311	Basic Electrical Theory	3
ELMT-1305	Basic Fluid Power	3
MCHN-2344	Computerized Numerical Control Programming	3
DFTG-1357	Specialized Intermediate Computer Aided Drafting	3
RBTC-1243	Robotics	2
ELPT-1341	Motor Control	3
INMT-1343	Computer Aided Design/Computer Aided Manufacturing	3
MCHN-2335	Advanced CNC Machining	3
ELMT-1301	Programmable Logic Controllers	3
RBTC-2239	Robot Programming and Diagnostics	2
MCHN-1380	Machine Tool Technology/Machinist	3
RBTC-1241	Vision Systems	2
ELMT-2339	Advanced Programmable Logic Controllers	3
ARCE-2344	Statics and Strength of Materials	3
DFTG-2340	Solid Modeling/Design	3
ELMT-1301	Programmable Logic Controllers	3
RBTC-2239	Robot Programming and Diagnostics	2
ELMT-1305	Basic Fluid Power	3
ELPT-1311	Basic Electrical Theory	3
ELMT-2339	Advanced Programmable Logic Controllers	3
ELPT-1341	Motor Control	3
RBTC-1241	Vision Systems	2
RBTC-1243	Robotics	2

Automation and Controls Occupational Outlook

What Electro-Mechanical/Automation and Controls Technologists and Technicians Do

- Electro-mechanical/automation and controls technologists and technicians operate, diagnose, test, and maintain electromechanical or robotic equipment.
- Under general supervision responsible for performing and providing technical support, installation, troubleshooting, documentation, and process control systems support for all equipment used in manufacturing, packaging, utilities industries and analytical laboratories industries.

Summary:

Electro-mechanical and Mechatronics Technologists and Technicians

- 2023 Median Pay \$65,080 per year: \$31.29 per hour
- Typical Entry-Level Education associate's degree
- Work Experience in a Related Occupation None
- On-the-job Training None
- Number of Jobs, 2022 15,200
- Job Outlook, 2022-32 -3% (Decline)
- Employment Change, 2022-32 -400

Work Environment

Electro-mechanical/automation and controls technologists and technicians work with electrical and mechanical engineers. Most work full-time, and some work more than 40 hours per week.

How to Become an Electro-mechanical or Mechatronic Technologist or Technician

Electro-mechanical/automation and controls technologists and technicians typically need either an associate's degree or a post-secondary certificate.

Pay

The median annual wage for electro-mechanical and mechatronics technologists and technicians was \$65,080 in May 2023.

Job Outlook

Employment of electro-mechanical and mechatronics technologists and technicians is projected to decline by 4 percent from 2021 to 2031.

Despite declining employment, about 1,100 openings for electro-mechanical and mechatronics technologists and technicians are projected each year, on average, over the decade. All of those openings are expected to result from the need to replace workers who transfer to other occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for electro-mechanical/automation and controls technologists and technicians.

Similar Occupations

Compare the job duties, education, job growth, and pay of electro-mechanical/automation and controls technologists and technicians with similar occupations.

More Information, Including Links to O*NET

Learn more about electro-mechanical/automation and controls technologists and technicians by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Police and Detectives, on the Internet at Electro-mechanical and Mechatronics Technologists and Technicians : Occupational Outlook Handbook: : U.S. Bureau of Labor Statistics (bls.gov) (<https://www.bls.gov/ooh/architecture-and-engineering/electro-mechanical-technicians.htm>) (visited *January 18, 2023*)

Construction Trades

The Construction Trades Program is designed to provide students with the knowledge and the skills for initial apprenticeship employment and be able to pursue a long and rewarding career in the electrical trades and/or plumbing trades occupations.

****Awaiting DoE approval for financial aid awards.**

- Construction Trades - Electrician Certificate (p. 613)

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- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.

Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Construction Trades - Electrician Certificate

- The Electrical Certificate is designed to provide students with the knowledge and the skills for apprenticeship electrician employment.
- Degree Type: Certificate
- Courses are not available online
- Electrical trades is available on the Terrell campus
- TSI: not required

This program is not designed to transfer.

Note: Criminal history may disqualify individuals from obtaining or maintaining any electrical trades certifications.

TEXAS LAW:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

Course	Title	Hours
Term One		
Fall Semester		
OSHT-1305	OSHA Regulations- Construction Industry	3
ELPT-1311	Basic Electrical Theory	3
ELPT-1321	Intro to Electrical Safety and Tools	3
ELPT-1325	National Electrical Code I	3
ELPT-1329	Residential Wiring	3
Hours		15
Term Two		
Spring Semester		
ELPT-1345	Commercial Wiring	3
ELPT-1357	Industrial Wiring	3
ELPT-1341	Motor Control	3
ELPT-2305	Motors and Transformers	3
ELTN-1381	Coop Education - Electrician	3
or POFT-1313	or Professional Workforce Preparation	
Hours		15
Total Hours		30

Construction Trades Pathway Courses

OSHT-1305. OSHA Regulations- Construction Industry. (3 Credits)

A study of Occupational Safety and Health Administration (OSHA) regulations pertinent to the construction industry.

ELPT-1311. Basic Electrical Theory. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Basic theory and practice of electrical circuits. Includes calculations as applied to alternating and direct current. Lab fee.

ELPT-1321. Intro to Electrical Safety and Tools. (3 Credits)

Safety rules and regulations. Includes the selection, inspection, use, and maintenance of common tools for electricians.

ELPT-1325. National Electrical Code I. (3 Credits)

An introductory study of the National Electric Code (NEC) for those employed in fields requiring knowledge of the Code. Emphasis on wiring design, protection, methods, and materials; equipment for general use; and basic calculations.

ELPT-1329. Residential Wiring. (3 Credits)

Wiring methods for single family and multi-family dwellings. Includes load calculations, service entrance sizing, proper grounding techniques, and associated safety procedures.

ELPT-1345. Commercial Wiring. (3 Credits)

Commercial wiring methods. Includes overcurrent protection, raceway panel board installation, proper grounding techniques, and associated safety procedures.

ELPT-1357. Industrial Wiring. (3 Credits)

Wiring methods used for industrial installations. Includes motor circuits, raceway and bus way installations, proper grounding techniques, and associated safety procedures.

ELPT-1341. Motor Control. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Operating principles of solid-state and conventional controls along with their practical applications. Includes braking, jogging, plugging, safety interlocks, wiring, and schematic diagram interpretations. Lab fee.

ELPT-2305. Motors and Transformers. (3 Credits)

Operation of single- and three-phase motors and transformers. Includes transformer banking, power factor correction, and protective devices.

Construction Trades Occupational Outlook

WHAT construction trades occupations DO

Workers in construction trades occupations use a variety of resources to build and repair roads, homes, and other structures.

Electricians install, maintain, and repair electrical power, communications, lighting, and control systems.

Plumbers, pipefitters, and steamfitters install and repair piping fixtures and systems.

Duties

Electricians typically do the following:

- Read blueprints or technical diagrams
- Install and maintain wiring, control, and lighting systems
- Inspect electrical components, such as transformers and circuit breakers
- Identify electrical problems using a variety of testing devices
- Repair or replace wiring, equipment, or fixtures using hand tools and power tools
- Follow state and local building regulations based on the National Electrical Code
- Direct and train workers to install, maintain, or repair electrical wiring or equipment

Almost every building has an electrical power, communications, lighting, and control system that is installed during construction and maintained after that. These systems power the lights, appliances, and equipment that make people's lives and jobs easier and more comfortable.

Installing electrical systems in newly constructed buildings is often less complicated than maintaining equipment in existing buildings because electrical wiring is more easily accessible during construction. Maintaining equipment and systems involves identifying problems and repairing broken equipment that is sometimes difficult to reach. Maintenance work may include fixing or replacing parts, light fixtures, control systems, motors, and other types of electrical equipment.

Electricians read blueprints, which include technical diagrams of electrical systems that show the location of circuits, outlets, and other equipment. They use different types of hand tools and power tools, such as conduit benders, to run and protect wiring. Other commonly used tools include screwdrivers, wire strippers, drills, and saws. While troubleshooting, electricians also may use ammeters, voltmeters, thermal scanners, and cable testers to find problems and ensure that components are working properly.

Many electricians work alone, but sometimes they collaborate with others. For example, experienced electricians may work with building engineers and architects to help design electrical systems for new construction. Some electricians may also consult with other construction specialists, such as elevator installers and heating and air conditioning workers, to help install or maintain electrical or power systems. Electricians employed by large companies are likely to work as part of a crew; they may direct helpers and apprentices to complete jobs.

Plumbers, pipefitters, and steamfitters typically do the following:

- Prepare cost estimates for clients
- Read blueprints and follow state and local building codes
- Determine the materials and equipment needed for a job
- Install pipes and fixtures
- Inspect and test installed pipe systems and pipelines
- Troubleshoot malfunctioning systems
- Maintain and repair plumbing systems

Although plumbers, pipefitters, and steamfitters have distinct responsibilities, they often have similar duties. For example, they all install pipes and fittings that carry water, gas, and other fluids and substances. They determine the necessary materials for a job, connect pipes, and test pressure to ensure that a pipe system is airtight and watertight. Their tools include drills, saws, welding torches, press fitting tools, and drain cleaning tools.

Plumbers, pipefitters, and steamfitters may use different materials and construction techniques, depending on the project. For example, residential water systems use copper, steel, and plastic pipe that one or two plumbers install. Industrial plant water systems, in contrast, are made of large steel pipes that usually take a crew of pipefitters to install.

Journey- and master-level plumbers, pipefitters, and steamfitters frequently direct apprentices and helpers.

Master plumbers on construction jobs may help develop blueprints that show the placement of pipes and fixtures. Their input ensures that a structure's plumbing meets building codes, stays within budget, and works well with the location of other features, such as electric wires. Many diagrams are created digitally with Building Information Modeling (BIM), which allows workers in several occupations to collaborate in planning a building's physical systems.

Some of the specific tasks performed by these workers are as follows:

Plumbers install and repair water, gas, and other piping systems in homes, businesses, and factories. They install plumbing fixtures, such as bathtubs and toilets, and appliances, such as dishwashers and water heaters. They clean drains, remove obstructions, and repair or replace broken pipes and fixtures. Plumbers also help maintain septic systems—large, underground holding tanks that collect waste from houses that are not connected to a sewer system.

Pipefitters and steamfitters, sometimes simply called *fitters*, install and maintain pipes that may carry chemicals, acids, and gases. These pipes are mostly in manufacturing, commercial, and industrial settings. Fitters install and repair pipe systems in power plants, as well as heating and cooling systems in large office buildings. **Steamfitters** specialize in systems that are designed for the flow of liquids or gases at high pressure. Other fitters may specialize as gasfitters or sprinkler fitters.

SUMMARY

- **Electricians**

- 2021 Median Pay: \$60,040 per year, \$28.87 per hour
- Typical Entry-Level Education: High school diploma or equivalent
- Work Experience in a Related Occupation: None
- On-the-job Training: Apprenticeship
- Number of Jobs, 2021: 711,200
- Job Outlook, 2021-31: 7% (As fast as average)
- Employment Change, 2021-31: 50,200

- **Plumbers**

- 2021 Median Pay: \$59,880 per year, \$28.79 per hour
- Typical Entry-Level Education: High school diploma or equivalent
- Work Experience in a Related Occupation: None
- On-the-job Training: Apprenticeship
- Number of Jobs, 2021: 469,000
- Job Outlook, 2021-31: 2% (Slower than average)
- Employment Change, 2021-31: 9,100

WORK ENVIRONMENT

Electricians: Almost all electricians work full-time. Work schedules may include evenings and weekends. Overtime is common.

Plumbers: Plumbers, pipefitters, and steamfitters work in factories, homes, businesses, and other places where there are pipes and related systems. Plumbers are often on call for emergencies, so evening and weekend work is common.

HOW TO BECOME A WELDER, CUTTER, SOLDERER, OR BRAZER

Electricians: Most electricians learn through an apprenticeship, but some start out by attending a technical school. Most states require electricians to be licensed.

Plumbers: Most plumbers, pipefitters, and steamfitters learn on the job through an apprenticeship. Some attend a vocational-technical school before receiving on-the-job training. Most states require plumbers to be licensed.

PAY

Electricians: The median annual wage for electricians was \$60,040 in May 2021.

Plumbers: The median annual wage for plumbers, pipefitters, and steamfitters was \$59,880 in May 2021.

JOB OUTLOOK

Electricians: Employment of electricians is projected to grow 7 percent from 2021 to 2031, about as fast as the average for all occupations. About 79,900 openings for electricians are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as retiring.

Plumbers: Employment of plumbers, pipefitters, and steamfitters is projected to grow 2 percent from 2021 to 2031, slower than the average for all occupations. Despite limited employment growth, about 48,600 openings for plumbers, pipefitters, and steamfitters are projected each year, on average, over the decade. Most of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

STATE & AREA DATA

Explore resources for employment and wages by state and area for electricians and plumbers.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of electricians and plumbers with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about electricians and plumbers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Electricians,

at <https://www.bls.gov/ooh/construction-and-extraction/electricians.htm> (visited *May 29, 2023*).

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Plumbers, Pipefitters, and Steamfitters,

at <https://www.bls.gov/ooh/construction-and-extraction/plumbers-pipefitters-and-steamfitters.htm> (visited *May 29, 2023*).

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Cosmetology

- Cosmetology AAS (p. 623)
- Cosmetology Operator Certificate (p. 626)
- Esthetician Certificate (p. 628)
- Nail Technology Certificate (p. 630)
- Eyelash Extension OSA (p. 632)

Cosmetology Program Information

Note: Criminal history may disqualify individuals from obtaining or maintaining any cosmetology certifications.

Texas law:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Cosmetology AAS

The cosmetology AAS leads to a two-year associate degree.

- Degree Type: AAS degree
- Cosmetology AAS is offered on the Athens, Palestine, & Terrell campuses
- Some instruction and course work is provided online
- TSI (p. 48): Required
- There is no special selection criteria for the cosmetology AAS program.

This program is not designed to transfer.

TVCC's cosmetology program is a two-year technical program with general education courses. Students may enter the cosmetology operator certificate during the fall semester of each year. The technical courses are block scheduled on the Athens, Palestine, and Terrell campus from 7:30 a.m. – 4:00 p.m. Monday through Thursday each fall and spring semester. General education courses are scheduled on the regular TVCC schedule of classes.

Students enrolled in the cosmetology operator program will obtain a minimum of 1,000 clock hours to satisfy the Texas Department of Licensing and Regulations (TDLR) requirements. These hours will be obtained by completing in-class instruction.

Note: Criminal history may disqualify individuals from obtaining or maintaining any cosmetology certifications.

TEXAS LAW:

restricts the issuance of occupational licenses based on a license applicant's criminal history; and

authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

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There is a \$25 student permit fee to be paid to TDLR prior to the first day of class in addition to the regular TVCC tuition and fees.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Lang./Phil./Culture or Creative Arts		
ENGL-2322	British Literature I	3
or ENGL-2323	or British Literature II or American	
or ENGL-2327	Literature I	
or ENGL-2328	or American Literature II	
or ENGL-2332	or World Literature I	
or ENGL-2333	or World Literature II	
or PHIL-1301	or Introduction to Philosophy	
or PHIL-2306	or Introduction to Ethics	
or HUMA-1301	or Introduction to Humanities	
or SPAN-2311	or Intermediate Spanish I	
or SPAN-2312	or Intermediate Spanish II or Art	
or ARTS-1301	Appreciation	
or ARTS-1303	or Art History I (prehistoric to the 14th Century)	
or ARTS-1304	or Art History II (14th Century to Present)	
or ARTS-1313	or Foundations of Art	
or DRAM-1310	or Theater Appreciation	
or DRAM-2366	or Film Appreciation	
or MUSI-1306	or Music Appreciation	
or MUSI-1307	or Music Literature	
or MUSI-1310	or American Music	
Social/Behav. Science		
HIST-1301	United States History I	3
or HIST-1302	or United States History II	
or GOVT-2305	or Federal Government Constitution	
or GOVT-2306	or Texas Government	
or ECON-2301	or Principles of Macroeconomics	
or ECON-2302	or Principles of Microeconomics	
or PSYC-2301	or General Psychology	
or PSYC-2314	or Lifespan Growth and Development	
or SOCI-1301	or Introduction to Sociology	
or SOCI-1306	or Social Problems	
or SOCI-2301	or Marriage and the Family	
EDUC-1300	Learning Frameworks	3
or PSYC-1300		
Hours		15

Course	Title	Hours
Term One		
CSME-1505	Fundamentals of Cosmetology	5
CSME-1310	Introduction to Haircutting and Related Theory	3
CSME-1354	Artistry of Hair Design I	3
CSME-1453	Chemical Reformation and Related Theory	4
Hours		15
Term Two		
CSME-2401	The Principles of Hair Coloring and Related Theory	4
CSME-1355	Artistry of Hair Design II	3
CSME-2441	Preparation for the State Licensing Exam	4
CSME-1374	Principles of Nail & Skin Care	3
Hours		14
Term Three		
CSME-1430	Orientation to Nail Technology	4
CSME-1431	Principles of Nail Technology I	4
CSME-1441	Principles of Nail Technology II	4
CSME-1443	Manicuring and Related Theory	4
Hours		16
Total Hours		60

Cosmetology Operator Certificate

- Degree Type: Certificate
- Cosmetology Operator is offered on the Athens, Palestine, & Terrell campuses
- Some instruction and course work is provided online
- TSI (p. 48): not required

This program is not designed to transfer.

This certificate leads to the Cosmetology AAS degree.

TVCC's cosmetology program is a two-semester technical program. Students may enter the cosmetology operator certificate during the fall semester of each year. There is no special selection criteria for the cosmetology certificate program. The program is block scheduled on the Athens, Palestine, and Terrell campus from 7:30 a.m. – 4:00 p.m. Monday through Thursday each fall and spring semester.

Students enrolled in the cosmetology operator certificate program will obtain a minimum of 1,000 clock hours to satisfy the Texas Department of Licensing and Regulations (TDLR) requirements. These hours will be obtained by completing in-class instruction.

Note: Criminal history may disqualify individuals from obtaining or maintaining any cosmetology certifications.

TEXAS LAW:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

There is a \$25 student permit fee to be paid to TDLR prior to the first day of class in addition to the regular TVCC tuition and fees.

Course	Title	Hours
Term One		
CSME-1505	Fundamentals of Cosmetology	5
CSME-1310	Introduction to Haircutting and Related Theory	3
CSME-1354	Artistry of Hair Design I	3
CSME-1453	Chemical Reformation and Related Theory	4
Hours		15
Term Two		
CSME-2401	The Principles of Hair Coloring and Related Theory	4
CSME-1355	Artistry of Hair Design II	3
CSME-2441	Preparation for the State Licensing Exam	4
CSME-1374	Principles of Nail & Skin Care	3
Hours		14
Total Hours		29

Esthetician Certificate

Estheticians specialize in the beautification of the skin by performing cosmetic skin treatments such as facials, superficial chemical peels, body treatments, and waxing. Students enrolled in the TVCC cosmetology programs gain experience in basic manipulative and theoretical skills necessary to become a licensed estheticians.

- Degree Type: Certificate
- Esthetician is offered on the Athens campus
- TSI (p. 48): not required

This program is not designed to transfer.

TVCC's esthetician program is a one-semester technical program. Students may enter the esthetician certificate during the spring semester of each year. There is no special selection criteria for the esthetician certificate program. The program is block scheduled on the Athens campus from 7:30 a.m. – 4:00 p.m. Monday through Thursday each spring semester.

Students enrolled in the esthetician certificate program will obtain a minimum of 750 clock hours to satisfy the Texas Department of Licensing and Regulations (TDLR) requirements. These hours will be obtained by completing 562 hours of in-class instruction and 188 hours distance (online) education.

Note: Criminal history may disqualify individuals from obtaining or maintaining any cosmetology certifications.

TEXAS LAW:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

There is a \$25 student permit fee to be paid to TDLR prior to the first day of class in addition to the regular TVCC tuition and fees.]

Course	Title	Hours
Term One		
CSME-1348	Principles of Skin Care	3
CSME-1547	Principles of Skin Care/Facials and Related Theory	5
CSME-1421	Principles of Skin Care Technology I	4
CSME-1445	Principles of Skin Care Technology II	4
CSME-2431	Principles of Skin Care Technology III	4
Hours		20
Total Hours		20

Note: Student who has earned a Texas Department of Licensing & Regulation (TDLR) nail tech or operator license, or completed TVCC’s manicure/nail technology certificate or TVCC’s cosmetology operator certificate program will be granted prior learning credit

for CSME-1421 Principles of Skin Care Technology I. Contact a TVCC advisor or the AVP workforce education office for more information.

Students who have earned a Texas Department of Licensing & Regulation (TDLR) nail tech or operator license, or completed TVCC’s nail or operator license program must meet 600 hours before TDLR licensing will be granted.

Nail Technology Certificate

Manicurists clean and shape customers' fingernails and toenails and may polish or decorate nails. Students enrolled in the TVCC cosmetology programs gain experience in basic manipulative and theoretical skills necessary to become licensed manicurists.

- Degree Type: Certificate
- Manicure/Nail Technology is offered on the Athens campus
- Some instruction and course work is provided online
- TSI (p. 48): not required

This program is not designed to transfer.

TVCC's nail technology program is a one-semester technical program. Students may enter the manicure/nail technology certificate during the fall semester of each year. There is no special selection criteria for the manicurist certificate program. The program is block scheduled on the Athens campus from 7:30 a.m. – 3:30 p.m. Monday through Thursday each fall semester.

Students enrolled in the manicure/nail technology certificate program will obtain a minimum of 600 clock hours to satisfy the Texas Department of Licensing and Regulations (TDLR) requirements. These hours will be obtained by completing 450 hours of in-class instruction and 150 hours distance (online) education.

Note: Criminal history may disqualify individuals from obtaining or maintaining any cosmetology certifications.

TEXAS LAW:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

There is a \$25 student permit fee to be paid to TDLR prior to the first day of class in addition to the regular TVCC tuition and fees.

Course	Title	Hours
Term One		
CSME-1430	Orientation to Nail Technology	4
CSME-1431	Principles of Nail Technology I	4
CSME-1441	Principles of Nail Technology II	4
CSME-1443	Manicuring and Related Theory	4
Hours		16
Total Hours		16

Eyelash Extension OSA

This occupational skill award (OSA) is designed for licensed estheticians, licensed hairstylists, or students enrolled in an esthetics or hair design program, who have never done lashes before or for those who have basic lash skills. The goal of this OSA is to take an artist with little to no lash experience and develop them into a lash artist.

Instruction is given on the fundamentals of lashing and then go in-depth through each necessary skill to be a salon-ready lash artist. This is an intensive and in-depth program. The program covers classic and volume-lashing techniques in this course.

The theory also covered includes hands-on technical practice and demonstrations. Students will not only receive a wide range of knowledge but also real-life experience in the application of lash extensions.

- Degree Type: Certificate
- Esthetician is offered on the Athens campus
- TSI (p. 48): not required

This program is not designed to transfer.

TOPICS COVERED IN THE PROGRAM:

- Overview of Eyelash Extensions
- Safety & Sanitization Procedures
- Products to Use For Application
- After Care and Product Knowledge
- Removal Process
- Troubleshooting
- Lash Bonding & Effective Bonding Tips
- Lash Solution
- Lash Selection
- Thorough Application Process
- Preparing the Client

Course	Title	Hours
Term One		
CSME-1407	Orientation to Eyelash Extensions	4
CSME-1308	Principles of Eyelash Extensions	3
CSME-1409	Application of Eyelash Extensions I	4
Hours		11
Total Hours		11

Cosmetology Pathway Courses

CSME-1308. Principles Eyelash Extension. (3 Credits)

This course provides the student with the practical skills necessary to safely and effectively apply eyelash extensions.

CSME-1310. Introduction to Haircutting and Related Theory. (3 Credits)

(3-1-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to the theory and practice of haircutting. Topics include terminology, implements, sectioning and finishing techniques. Lab fee.

CSME-1348. Principles of Skin Care. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction of the theory and practice of skin care. Lab fee.

CSME-1354. Artistry of Hair Design I. (3 Credits)

(3-1-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Introduction to hair design. Topics include the theory and applications of wet styling, thermal hair styling and finishing techniques. Lab fee.

CSME-1355. Artistry of Hair Design II. (3 Credits)

(3-1-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of hair design. Topics include the additional theory and applications of current trends in hair design. Lab fee.

CSME-1374. Principles of Nail & Skin Care. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Presentation of the theory and practice of nail and skincare technology. Topics include terminology, application, and workplace competencies related to nail and skincare services.

CSME-1401. Orientation to Cosmetology. (4 Credits)

(4-2-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of the skills and knowledge necessary for the field of cosmetology. Lab fee.

CSME-1405. Fundamentals of Cosmetology. (4 Credits)

(4-2-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A course in the basic fundamentals of cosmetology. Topics include safety and sanitation, service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling and comb out. Lab fee.

CSME-1407. Orientation to Eyelash Extensions. (4 Credits)

An overview of the skills and knowledge necessary for the field of eyelash extensions. Topics include the basic knowledge of chemistry, eyelash growth cycles, proper selection and application, supplies and equipment of the industry, safety, sanitation, and laws and rules of the state licensing agency as they relate to eyelash extensions.

CSME-1409. Application of Eyelash Extensions. (4 Credits)

This course provides the student with the skills necessary to perform client services using current techniques and business practices.

CSME-1421. Principles of Skin Care Technology I. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the principles of facial and skin care technology. Topics include anatomy, physiology, theory, and related skills of facial and skin care technology. Lab fee.

CSME-1430. Orientation to Nail Technology. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of the fundamental skills and knowledge necessary for the field of nail technology. Lab fee.

CSME-1431. Principles of Nail Technology I. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A course in the principles of nail technology. Topics include anatomy, physiology, theory, and skills related to nail technology. Lab fee.

CSME-1434. Cosmetology Instructor I. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. The fundamentals of instruction of cosmetology students. Lab fee.

CSME-1435. Orientation to the Instruction of Cosmetology. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of the skills and knowledge necessary for the instruction of cosmetology students. Lab fee.

CSME-1441. Principles of Nail Technology II. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of the concepts and principles of nail technology. Topics include professional ethics, salon management, client relations, and related skills of nail technology. Lab fee.

CSME-1443. Manicuring and Related Theory. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Presentation of the theory and practice of nail services. Topics include terminology, application, and workplace competencies related to nail services. Lab fee.

CSME-1445. Principles of Skin Care Technology II. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of the concepts and principles in skin care and other related technologies. Topics include advanced instruction in anatomy, physiology, theory, and related skills of facial and skin care technology. Lab fee.

CSME-1447. Principles of Skin Care/Facials and Related Theory. (4 Credits)

(4-2-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. In-depth coverage of the theory and practice of skin care, facials and cosmetics. Lab fee.

CSME-1453. Chemical Reformation and Related Theory. (4 Credits)

(4-2-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Presentation of the theory and practice of chemical reformation including terminology, application and workplace competencies. Lab fee.

CSME-1505. Fundamentals of Cosmetology. (5 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A course in the basic fundamentals of cosmetology. Topics include safety and sanitation, service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling and comb out. Lab fee.

CSME-1547. Principles of Skin Care/Facials and Related Theory. (5 Credits)

(5-3-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. In-depth coverage of the theory and practice of skin care, facials, and cosmetics. Lab fee.

CSME-2310. Advanced Haircutting and Related Theory. (3 Credits)

(3-1-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced concepts and practice of haircutting. Topics include haircuts utilizing scissors, razor and/or clippers. Lab fee.

CSME-2401. The Principles of Hair Coloring and Related Theory. (4 Credits)

(4-2-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Presentation of the theory, practice and chemistry of hair color. Topics include terminology, application and workplace competencies related to hair color. Lab fee.

CSME-2414. Cosmetology Instructor II. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A continuation of the fundamentals of instruction of cosmetology students. Lab fee.

CSME-2431. Principles of Skin Care Technology III. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced concepts and principles of skin care and other related technologies. Lab fee.

CSME-2441. Preparation for the State Licensing Exam. (4 Credits)

Preparation for the state licensing examination.

CSME-2444. Cosmetology Instructor IV. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced concepts of instruction in a cosmetology program. Topics include demonstration and implementation of advanced evaluation and assessment techniques. Lab fee.

CSME-2445. Instructional Theory and Clinic Operation. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of the objectives required by the Texas Cosmetology Commission Instructor Examination. Lab fee.

CSME-2449. Cosmetology Instructor III. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Presentation of lesson plan assignments and evaluation techniques. Lab fee.

CSME-2541. Preparation for the State Licensing Examination. (5 Credits)

(5-3-7) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Preparation for the state licensing examination. Lab fee.

Cosmetology Occupational Outlook

What Barbers, Hairstylists, and Cosmetologists Do

Barbers, hairstylists, and cosmetologists provide haircutting, hairstyling, and a range of other beauty services.

Duties

Barbers, hairstylists, and cosmetologists typically do the following:

- Inspect and analyze hair, skin, and scalp to recommend treatment
- Discuss hairstyle options
- Wash, color, lighten, and condition hair
- Chemically change hair textures
- Cut, dry, and style hair
- Receive payments from clients
- Clean and disinfect all tools and work areas

Barbers, hairstylists, and cosmetologists provide hair and beauty services to enhance clients' appearance. Those who operate their own barbershop or salon have managerial duties that may include hiring, supervising, and firing workers, as well as keeping business and inventory records, ordering supplies, and arranging for advertising.

Barbers cut, trim, shampoo, and style hair, mostly for male clients. They also may fit hairpieces, perform facials, and offer facial shaving. Depending on the state in which they work, some barbers are licensed to color, bleach, and highlight hair and to offer permanent-wave services. Common tools include combs, scissors, straight razors, and clippers.

Hairstylists offer a wide range of hair services, such as shampooing, cutting, coloring, and styling. They often advise clients, both male and female, on how to care for their hair at home. Hairstylists also keep records of products and services provided to clients, such as hair color, shampoo, conditioner, and hair treatment used. Tools include hairbrushes, scissors, blow dryers, and curling and flat irons.

Cosmetologists provide scalp and facial treatments and makeup analysis. Some also clean and style wigs and hairpieces. In addition, most cosmetologists actively recommend professional hair care products or salon hair care products.

Summary

- Barbers, hairstylists, and cosmetologist
- 2021 Median Pay: \$29,680 per year or \$14.27 per hour
- Typical Entry-Level Education: Post-secondary non-degree award
- Work Experience in a Related Occupation: None
- On-the-job Training: None
- Number of Jobs 2021: 608,900
- Job Outlook: 11% (Much faster than average)
- Employment Change: 2021-31: 65,000

Work Environment

Barbers, hairstylists, and cosmetologists work mostly in a barbershop or salon. Physical stamina is important because they are on their feet for most of their shift. Many work full-time, but part-time positions are also common.

How to Become a Barber, Hairstylist, or Cosmetologist

All states require barbers, hairstylists, and cosmetologists to be licensed. To qualify for a license, candidates are required to graduate from a state-approved barber or cosmetology program and then pass a state exam for licensure.

Pay

The median hourly wage for barbers was \$14.41 in May 2021.

The median hourly wage for hairdressers, hairstylists, and cosmetologists was \$14.26 in May 2021.

Job Outlook

Overall employment of barbers, hairstylists, and cosmetologists is projected to grow 11 percent from 2021 to 2031, much faster than the average for all occupations.

About 93,800 openings for barbers, hairstylists, and cosmetologists are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

State & Area Data

Explore resources for employment and wages by state and area for barbers, hairstylists, and cosmetologists.

Similar Occupations

Compare the job duties, education, job growth, and pay of barbers, hairstylists, and cosmetologists with similar occupations.

More Information, Including Links to O*NET

Learn more about barbers, hairstylists, and cosmetologists by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Barbers, Hairstylists, and Cosmetologists, on the Internet at <https://www.bls.gov/ooh/personal-care-and-service/barbers-hairstylists-and-cosmetologists.htm> (visited *February 14, 2023*).

Electrical Lineworker

The Electrical Lineworker Certificate is designed to provide students with the knowledge and the skills for initial employment and be able to pursue a long and rewarding career in electric power generation, transmission, and distribution.

- Electrical Lineworker Certificate (p. 640)

Career Coach

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Electrical Lineworker Certificate

The Electrical Lineworker Certificate is designed to provide students with the knowledge and the skills for initial employment and be able to pursue a long and rewarding career in electric power generation, transmission, and distribution.

- Degree Type: Certificate
- Courses are not available online
- Electrical lineworker is available on the Palestine and Terrell campuses
- TSI: not required

This program is not designed to transfer.

Students may enter the electrical lineworker certificate during the fall semester of each year.

Course	Title	Hours
Term One		
ELPT-1411	Basic Electrical Theory	4
LNWK-1311	Climbing Skills	3
LNWK-1331	Transformer Connections	3
Hours		10
Term Two		
LNWK-1301	Orientation and Line Skill Fundamentals	3
LNWK-2321	Live Line Safety	3
LNWK-2322	Distribution Line Construction	3
Hours		9
Total Hours		19

Electrical Lineworker Occupational Outlook

What Line Installers and Repairers Do

Line installers and repairers install or repair electrical power systems and telecommunications cables, including fiber optics.

SUMMARY

- 2022 Median Pay \$82,340 per year | \$39.59 per hour
- Typical Entry-Level Education High school diploma or equivalent
- Work Experience in a Related Occupation None
- On-the-job Training Long-term on-the-job training
- Number of Jobs, 2022 122,400
- Job Outlook, 2022-32 3% (As fast as average)
- Employment Change, 2022-32 3,500

Work Environment

Line workers encounter serious hazards on the job, including working with high-voltage electricity, often at great heights. The work also can be physically demanding. Although most work full-time during regular business hours, some work irregular hours on evenings, nights, weekends, and holidays when needed.

How to Become a Line Installer or Repairer

To become proficient, most line installers and repairers require technical instruction and long-term on-the-job training. Apprenticeships are common.

Pay

The median annual wage for electrical power-line installers and repairers was \$78,310 in May 2021.

The median annual wage for telecommunications line installers and repairers was \$60,190 in May 2021.

Job Outlook

Overall employment of line installers and repairers is projected to grow 6 percent from 2021 to 2031, about as fast as the average for all occupations.

About 23,500 openings for line installers and repairers are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as retiring.

State & Area Data

Explore resources for employment and wages by state and area for line installers and repairers.

Similar Occupations

Compare the job duties, education, job growth, and pay of line installers and repairers with similar occupations.

More Information, Including Links to O*NET

Learn more about line installers and repairers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Line Installers and Repairers, at <https://www.bls.gov/ooh/installation-maintenance-and-repair/line-installers-and-repairers.htm> (visited May 28, 2023).

Fabrication Technology

Assemblers and fabricators build finished products and the parts that go into them. They use hand tools and machines to make vehicles, toys, electronic devices, and more. Fabricators begin with the design of the part (drafting), move to the production of the part (CAD/CAM-CNC), and complete the finished product (welding).

- Fabrication Technology Certificate (p. 644)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Fabrication Technology Certificate

The Fabrication Technology Certificate is designed to provide students with the knowledge and the skills necessary to draw, design and create a finished product in fabrication.

- Degree Type: Certificate
- Courses are available online and face-to-face
- TSI (p. 48): not required

This program is not designed to transfer.

Course	Title	Hours
Term One		
One		
Fall Semester		
DFTG-1305	Technical Drafting	3
DFTG-1409	Basic Computer Aided Drafting	4
MCHN-1320	Precision Tools and Measurement	3
WLDG-1521	Welding Fundamentals	5
Hours		15
Term Two		
Spring Semester		
DFTG-2340	Solid Modeling/Design	3
WLDG-1530	Introduction to Gas Metal Arc Welding	5
WLDG-1353	Intermediate Layout and Fabrication	3
Hours		11
Term Three		
Fall Semester		
INMT-1343	Computer Aided Design/Computer Aided Manufacturing	3
MCHN-2335	Advanced CNC Machining	3
WLDG-2435	Advanced Layout and Fabrication	4
Hours		10
Total Hours		36

Fabrication Technology Pathway Courses

DFTG-1305. Technical Drafting. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to reading, interpreting, and developing technical drawings, including the principles of drafting and computer-aided design. Lab fee.

DFTG-1409. Basic Computer Aided Drafting. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/print to scale. Lab fee.

MCHN-1320. Precision Tools and Measurement. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the modern science of dimensional metrology. Emphasis on identification, selection and application of various types of precision instruments associated with the machining trade. Practice of basic layout and piece part measurements while using standard measuring tools. Lab fee.

DFTG-2340. Solid Modeling/Design. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work. Lab fee.

MCHN-2335. Advanced CNC Machining. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced CNC operation with an emphasis on programming and operations of machining and turning centers. Lab fee.

WLDG-1521. Welding Fundamentals. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the fundamentals of equipment used in oxyacetylene and arc welding, including welding and cutting safety, basic oxy acetylene welding and cutting, basic arc welding processes and basic metallurgy. Lab fee.

WLDG-1530. Introduction to Gas Metal Arc Welding. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the principles of gas metal arc welding, setup and use of GMAW equipment and safe use of tools/equipment. Instruction in various joint designs. Lab fee.

WLDG-1353. Intermediate Layout and Fabrication. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An intermediate course in layout and fabrication. Includes design and production of shop layout and fabrication. Emphasis placed on symbols, blueprints, and written specifications. Lab Fees.

WLDG-2435. Advanced Layout and Fabrication. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An advanced course in layout and fabrication. Includes production and fabrication of layout, tools, and processes. Emphasis on application of fabrication and layout skills.

Fabrication Technology Occupational Outlook

WHAT fabricators DO

Fabricators build finished products and the parts that go into them.

Duties

Assemblers and fabricators typically do the following:

- Read and understand schematics and blueprints
- Position or align components and parts either manually or with hoists
- Use hand tools or machines to assemble parts
- Conduct quality control checks
- Clean and maintain work area and equipment, including tools

Assemblers and fabricators need a range of knowledge and skills. For example, assemblers putting together complex machines must be able to read detailed schematics. After determining how parts should connect, they use hand tools or power tools to trim, cut, and make other adjustments to fit components together. When the parts are properly aligned, they connect them with bolts and screws, or they weld or solder pieces together.

Assemblers look for faulty components and mistakes throughout the assembly process. Such assessments help to ensure quality by allowing assemblers to fix problems before defective products are made.

Modern manufacturing systems use robots, computers, and other technologies. These systems use teams of workers to produce entire products or components.

Assemblers and fabricators may also be involved in product development. Designers and engineers may consult manufacturing workers during the design stage to improve product reliability and manufacturing efficiency. Some experienced assemblers work with designers and engineers to build prototypes or test products.

Although most assemblers and fabricators are classified as team assemblers, others specialize in producing one type of product or in doing the same or similar tasks throughout the manufacturing process.

The following are examples of types of assemblers and fabricators:

Aircraft structure, surfaces, rigging, and systems assemblers fit, fasten, and install parts of airplanes, missiles, or space vehicles. These parts include the wings, landing gear, and heating and ventilating systems.

Coil winders, tapers, and finishers roll wire curs of electrical components used in electric and electronic products, including resistors, transformers, and electric motors. Using hand tools, these workers also attach and trim coils or insulation.

Electrical and electronic equipment assemblers build products such as computers, electric motors, and sensing equipment. Unlike in industries with automated systems, much of the small-scale production of electronic devices for aircraft, military systems, and medical equipment must be done by hand. These workers use devices such as soldering irons.

Electromechanical equipment assemblers make and modify mechanical devices that run on electricity, such as household appliances, computer tomography scanners, and vending machines. These workers use tools such as rulers, rivet guns, and soldering irons.

Engine and machine assemblers construct and rebuild motors, turbines, and machines used in automobiles, construction and mining equipment, and power generators.

Fiberglass laminators and fabricators overlay fiberglass onto molds, forming protective surfaces for boat decks and hulls, golf cart bodies, and other products.

Structural metal fabricators and fitters cut, align, and fit together structural metal parts and may help weld or rivet the parts together.

Team assemblers rotate through different tasks on an assembly line, rather than specializing in a single task. Team members may decide how work is assigned and tasks are completed.

Timing device assemblers, adjusters, and calibrators manufacture or modify instruments that require precise measurement of time, such as clocks, watches, and chronometers.

SUMMARY

- 2021 Median Pay: \$37,170 per year; \$17.87 per hour
- Typical Entry-Level Education: High school diploma or equivalent
- Work Experience in a Related Occupation: See How to Become One
- On-the-job Training: See How to Become One
- Number of Jobs, 2021: 1,821,600
- Job Outlook, 2021-2031: -6% (Decline)
- Employment Change, 2021-2031: -114,900

WORK ENVIRONMENT

Most fabricators work in manufacturing plants. Their duties may involve long periods of standing or sitting. Most work full-time, including some evenings and weekends.

HOW TO BECOME A fabricator

The education and qualifications typically needed to enter these occupations vary by industry and employer. Although a high school diploma is enough for most jobs, experience and training are needed for advanced assembly work.

PAY

The median annual wage for fabricators was \$37,170 in May 2021.

JOB OUTLOOK

Overall employment of fabricators is projected to decline 6% from 2021 to 2031.

Despite declining employment, about 192,100 openings for fabricators are projected each year, on average, over the decade. All of those openings are expected to result from the need to replace workers who transfer to other occupations or exit the labor force, such as to retire.

STATE & AREA DATA

Explore resources for employment and wages by state and area for fabricators.

SIMILAR OCCUPATIONS

Compare the job duties, education, job growth, and pay of fabricators with similar occupations.

MORE INFORMATION, INCLUDING LINKS TO O*NET

Learn more about fabricators by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Assemblers and Fabricators, at <https://www.bls.gov/ooh/production/assemblers-and-fabricators.htm> (visited May 31, 2023).

HVAC Technology

Heating, ventilation, and air conditioning technicians service residential and commercial environmental systems.

- HVAC AAS Degree (p. 650)
- HVAC Certificate (p. 652)

Career Coach & Transfer Opportunities

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- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

HVAC AAS Degree

The heating, ventilation, and air conditioning associate of applied science degree prepares the individual for a technical service career in residential or light commercial/industrial environmental systems. The student will study the mechanical and electrical/electronic systems involved in contemporary environmental controls. The academic requirements of the program provide a foundation for continued studies should the student decide to pursue his or her education or training.

- Degree Type: AAS
- TSI (p. 48): required

Note: Criminal history may disqualify individuals from obtaining or maintaining any HVAC certifications.

Note: This program is for Dual Credit Students

TEXAS LAW:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

Course	Title	Hours
General Education		
ENGL-1301	Composition I	3
MATH-1314 or MATH-1332 or MATH-1342	College Algebra or Contemporary Mathematics (Quantitative Reasoning) or Elementary Statistical Methods	3
Lang./Phil./Culture or Creative Arts	Class	3
Social/Behav. Science Class		3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
Hours		15
Term One		
HART-1301	Basic Electricity for HVAC	3
HART-1303	Air Conditioning Control Principles	3
MCHN-1320	Precision Tools and Measurement	3
MCHN-1338	Basic Machine Shop I	3
Hours		12
Term Two		
BCIS-1305	Business Computer Applications	3
HART-1307	Refrigeration Principles	3
HART-1341	Residential Air Conditioning	3
HART-1345	Gas and Electric Heating	3
Hours		12
Term Three		
POFT-1301	Business English	3
HART-2336	Air Conditioning Troubleshooting	3
HART-2338	Air Conditioning Installation and Startup	3
Hours		9
Term Four		
HART-2345	Residential Air & Conditioning Systems Design	3
HART-1300	HVAC Duct Fabrication	3
ELPT-1311	Basic Electrical Theory	3
HART-1382	COOP: HVAC Technology (Cooperative Education)	3
Hours		12
Total Hours		60

HVAC Certificate

The Advanced Heating, Ventilation, and Air Conditioning (HVAC) certificate is a level one certificate program that prepares students for the level two National Center for Construction Education & Research (NCCER) certification.

- Degree Type: Certificate
- No courses available online
- HVAC is offered in Athens, on the Athens High School campus
- TSI (p. 48): not required

This program is not designed to transfer.

Note: Criminal history may disqualify individuals from obtaining or maintaining any HVAC certifications.

This certificate leads to Heating, Ventilation, and Air Conditioning (HVAC) AAS degree.

Note: this program is for Dual Credit Students

TEXAS LAW:

- restricts the issuance of occupational licenses based on a license applicant's criminal history; and
- authorizes the Texas Department of Licensing and Regulation (TDLR), in some cases, to consider a person convicted, even though the person was only on probation or community supervision without a conviction.

Individuals who have been convicted of an offense or placed on probation might not be eligible for an occupational license issued by TDLR even after completing an educational or training program;

TDLR's criminal history guidelines are available at www.tdlr.texas.gov/crimconvict.htm and include restrictions or guidelines.

TDLR uses to determine eligibility for an occupational license; and individuals have the right to request a criminal history evaluation letter from TDLR, which is explained in more detail at www.tdlr.texas.gov/crimhistoryeval.htm.

Course	Title	Hours
Term One		
HART-1301	Basic Electricity for HVAC	3
HART-1303	Air Conditioning Control Principles	3
Hours		6
Term Two		
HART-1307	Refrigeration Principles	3
HART-1341	Residential Air Conditioning	3
HART-1345	Gas and Electric Heating	3
Hours		9
Term Three		
HART-2336	Air Conditioning Troubleshooting	3
HART-2338	Air Conditioning Installation and Startup	3
Hours		6
Term Four		
HART-2345	Residential Air & Conditioning Systems Design	3
HART-1300	HVAC Duct Fabrication	3
Hours		6
Total Hours		27

Upon completion of the HVAC certificate, students are prepared and eligible to take the National Center for Construction & Education Research (NCCER) level two certification.

Robotics Technology

Electro-mechanical and mechatronics technologists and technicians test and operate machines in factories and at other worksites. They also document the tests they performed and analyze and record the results of those tests. Electro-mechanical and mechatronics technologists and technicians install, maintain, and repair automated machinery and computer-controlled mechanical systems in industrial settings. They also test, operate, or maintain robotic equipment at worksites. This equipment may include unmanned submarines, aircraft, or similar types of equipment for uses that include oil drilling, deep-ocean exploration, or hazardous-waste removal.

This program is offered only at Terrell High School

- Robotics Technology AAS Degree (p. 655)
- Robotics Technology Certificate (p. 657)

Career Coach & Transfer Opportunities

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- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Robotics Technology AAS Degree - Dual Credit

Mechanical engineering technicians help mechanical engineers design, develop, test, and manufacture mechanical devices, including tools, engines and machines. They may make sketches and rough layouts, record and analyze data, make calculations and estimates and report their findings.

- Degree Type: AAS
- Not all courses available online
- Robotics is offered at Terrell ISD campus
- TSI (p. 48): required

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Course	Title	Hours
Term One		
Lang, Phil & Culture/Creative Arts		3
EDUC-1300 or PSYC-1300	Learning Framework or Learning Frameworks	3
BCIS-1305	Business Computer Applications	3
DFTG-1310	Specialized Basic Computer Aided Drafting (CAD)	3
RBTC-1305	Robotic Fundamentals	3
INMT-1317	Industrial Automation	3
Hours		18
Term Two		
ELMT-1305	Basic Fluid Power	3
GOVT-2305	Federal Government Constitution	3
INMT-1343	Computer Aided Design/Computer Aided Manufacturing	3
ELMT-1301	Programmable Logic Controllers	3
Select one of the following:		3
MATH-1314	College Algebra	
MATH-2312	Pre-Calculus Math	
Hours		15
Term Three		
RBTC-1341	Vision Systems	3
RBTC-1343	Robotics	3
RBTC-1345	Robot Interfacing	3
ELPT-1341	Motor Control	3
Hours		12
Term Four		
PHYS-1401	College Physics I	4
ENGL-1301	Composition I	3
RBTC-2239	Robot Programming and Diagnostics	2
ELMT-2333	Industrial Electronics	3
ELMT-2339	Advanced Programmable Logic Controllers	3
Hours		15
Total Hours		60

Robotics Technology Certificate

The robotics technology certificate prepares students to perform basic electro-mechanical technician skills at worksites.

The robotics technology machining program leads to a level one certificate.

- Degree Type: Certificate
- Not all courses available online
- Robotics is offered at Terrell ISD campus

Course	Title	Hours
Term One		
RBTC-1305	Robotic Fundamentals	3
INMT-1317	Industrial Automation	3
DFTG-1310	Specialized Basic Computer Aided Drafting (CAD)	3
RBTC-1343	Robotics	3
ELPT-1341	Motor Control	3
Hours		15
Term Two		
ELMT-1305	Basic Fluid Power	3
INMT-1343	Computer Aided Design/Computer Aided Manufacturing	3
ELMT-1301	Programmable Logic Controllers	3
RBTC-1345	Robot Interfacing	3
RBTC-1341	Vision Systems	3
Hours		15
Term Three		
RBTC-2239	Robot Programming and Diagnostics (Capstone)	2
ELMT-2333	Industrial Electronics	3
ELMT-2339	Advanced Programmable Logic Controllers	3
Hours		8
Total Hours		38

Robotics Technology Pathway Courses

RBTC-1241. Vision Systems. (2 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of machine vision systems, including terminology and components. Topics include optics, sensors, lighting, image analysis, and user interfaces. Lab fee.

RBTC-1243. Robotics. (2 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Principles and applications of robots. Includes installation, interfacing, programming, maintenance, and safety of robots and robotic cells. Lab Fee.

RBTC-1305. Robotic Fundamentals. (3 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to flexible automation. Topics include installation, repair, maintenance, and development of flexible robotic manufacturing systems. Lab fee.

RBTC-1341. Vision Systems. (3 Credits)

An overview of machine vision systems, including terminology and components. Topics include optics, sensors, lighting, image analysis, and user interfaces.

RBTC-1343. Robotics. (3 Credits)

Principles and applications of robots. Includes installation, interfacing, programming, maintenance, and safety of robots and robotic cells.

RBTC-1345. Robot Interfacing. (3 Credits)

A study of the basic principles of robot controllers, controller input/output, memory, and interfacing with computer integrated manufacturing.

RBTC-1401. Programmable Logic Controllers. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study in programmable logic controllers (PLC). Topics include processor units, numbering systems, memory organization, relay type devices, timers, counters, data manipulators, and programming.

RBTC-2239. Robot Programming and Diagnostics. (2 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Emphasis on the programming of industrial robots, the development of programming techniques, and the diagnosis of faults in systems. Lab fee.

Robotics Technology Occupational Outlook

What Electro-mechanical Technicians Do

Electro-mechanical technicians combine knowledge of mechanical technology with knowledge of electrical and electronic circuits. They operate, test, and maintain unmanned, automated, robotic, or electromechanical equipment.

Duties

Electro-mechanical technicians typically do the following:

- Read blueprints, schematics, and diagrams to determine the method and sequence of assembly of a part, machine, or piece of equipment
- Verify dimensions of parts, using precision measuring instruments, to ensure that specifications are met
- Operate metalworking machines to make housings, fittings, and fixtures
- Inspect parts for surface defects
- Repair and calibrate hydraulic and pneumatic assemblies
- Test the performance of electro-mechanical assemblies, using test instruments
- Install electronic parts and hardware, using soldering equipment and hand tools
- Operate, test, or maintain robotic equipment
- Analyze and record test results, and prepare written documentation

Electro-mechanical technicians test and operate machines in factories and other worksites. They also analyze and record test results, and prepare written documentation to describe the tests they performed and what the test results were.

Electro-mechanical technicians install, maintain, and repair automated machinery and computer-controlled mechanical systems in industrial settings. This kind of work requires knowledge and training in the application of photonics, the science of light. The technological aspects of the work have to do with the generation, control, and detection of the light waves so that the automated processes can proceed as designed by the engineers.

Electro-mechanical technicians also test, operate, or maintain robotic equipment at worksites. This equipment may include unmanned submarines, aircraft, or similar types

of equipment for uses that include oil drilling, deep-ocean exploration, or hazardous-waste removal. These technicians also work on energy projects involving solar power and wind.

SUMMARY

- 2022 Median Pay \$60,570 per year | \$29.12 per hour
- Typical Entry-Level Education Associate's degree
- Work Experience in a Related Occupation None
- On-the-job Training None
- Number of Jobs, 2022 15,200
- Job Outlook, 2022-32 -3% (Decline)
- Employment Change, 2022-32 -400

Work Environment

Electro-mechanical technicians work closely with electrical and mechanical engineers. They work in many industrial environments, including energy, plastics, computer and communications equipment manufacturing, and aerospace.

How to Become an Electro-mechanical Technician

Electro-mechanical technicians typically need either an associate's degree or a postsecondary certificate.

Pay

The median annual wage for electro-mechanical technicians was \$60,360 in May 2021.

Job Outlook

Employment of electro-mechanical technicians is projected to have a 4% decline from 2021 to 2031.

State & Area Data

Explore resources for employment and wages by state and area for electro-mechanical technicians.

Similar Occupations

Compare the job duties, education, job growth, and pay of electro-mechanical technicians with similar occupations.

More Information, Including Links to O*NET

Learn more about electro-mechanical technicians by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Electro-mechanical Technicians, on the Internet at <https://www.bls.gov/ooh/architecture-and-engineering/electro-mechanical-technicians.htm> (visited May 28, 2023).

Welding

- Welding Technology AAS Degree (p. 662)
- Welding Certificate (p. 664)
- Dual Arc Welding Certificate (p. 655)
- Pipe Welding Certificate (p. 667)
- TIG Welding Certificate (p. 668)
- Welding Instructor OSA (p. 503)

Career Coach & Transfer Opportunities

TVCC has partnered with **Career Coach** for students to discover majors and in-demand careers and education based on your interests!

- Career Assessment Profiler
- Interactive Career Catalog
- Browse TVCC's Pathways

Some careers in this field will require a bachelor's degree.

- TVCC's AA degrees are fully transferable to public universities in Texas. See an academic advisor or TVCC's university transfer webpage for more information on this transfer opportunity.
- Many of TVCC's AAS degrees lead to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor or the BAAS transfer website for more information on this transfer opportunity.

Welding Technology AAS Degree

The TVCC Welding program is designed to train students for an entry-level position in the welding industry. Employment opportunities are available both locally and globally.

- Degree Type: AAS
- No courses available online
- Welding Technology AAS is offered on the Athens campus.
- TSI (p. 48): required
- Capstone course: WLDG-2553 Advanced Pipe Welding

Although not designed to transfer, this AAS degree program leads to an online Bachelor of Applied Arts and Sciences (BAAS) degree with participating universities. See an academic advisor for more information about the BAAS.

Students can begin in the fall, spring, and summer semesters of each year. There is no special selection criteria for any of the Welding programs.

Course	Title	Hours
Term One		
EDUC/PSYC-1300	Learning Framework	3
WLDG-1521	Welding Fundamentals	5
WLDG-1323	Welding, Safety, Tools, and Equipment	3
WLDG-1317	Introduction to Layout and Fabrication	3
Hours		14
Term Two		
WLDG-1435	Introduction to Pipe Welding	4
Core HIST, GOVT, or Social/Behav. Science		3
WLDG-1530	Introduction to Gas Metal Arc Welding	5
MATH-1332	Contemporary Mathematics (Quantitative Reasoning)	3
Hours		15
Term Three		
WLDG-1557	Intermediate Shielded Metal Arc Welding	5
Welding Elective		2
Lang, Phil, & Culture/Creative Arts		3
ENGL-1301	Composition I	3
Hours		13
Term Four		
WLDG-2543	Advanced Shielded Metal Arc Welding	5
BCIS-1305	Business Computer Applications	3
Hours		8
Term Five		
WLDG-2506	Intermediate Pipe Welding	5
WLDG-2553	Advanced Pipe Welding (Capstone)	5
Hours		10
Total Hours		60

Welding Electives

Code	Title	Hours
WLDG-1353	Intermediate Layout and Fabrication	3
WLDG-1534	Introduction to Gas Tungsten Arc Welding	5
WLDG-2551	Advanced Gas Tungsten Arc Welding	5

Welding Certificate

The welding certificate leads to a level one certificate.

- Degree Type: Certificate
- No courses available online
- Welding is offered on the Athens campus
- TSI (p. 48): not required

This program leads to the Welding Technology AAS degree.

Students may enter the welding certificate during the fall or spring semester of each year.

There is no special selection criteria for the welding certificate program.

The day program is block scheduled on the Athens campus from 7:30 a.m. – 4:30 p.m. Monday through Thursday. The evening program is blocked scheduled on the Athens campus from 5:00 p.m. – 10:00 p.m. Monday and Wednesday. The summer one program is blocked scheduled on the Athens campus from 7:30 a.m. – 6:00 p.m. Monday through Thursday.

Course	Title	Hours
Term One		
WLDG-1521	Welding Fundamentals	5
WLDG-1323	Welding, Safety, Tools, and Equipment	3
WLDG-1557	Intermediate Shielded Metal Arc Welding	5
WLDG-1317	Introduction to Layout and Fabrication	3
Hours		16
Term Two		
WLDG-2543	Advanced Shielded Metal Arc Welding	5
WLDG-1353	Intermediate Layout and Fabrication	3
WLDG-1530	Introduction to Gas Metal Arc Welding	5
Welding Elective		3
Hours		16
Total Hours		32

Welding Certificate Electives

Code	Title	Hours
WLDG-1534	Introduction to Gas Tungsten Arc Welding	5
WLDG-1435	Introduction to Pipe Welding	4
WLDG-2506	Intermediate Pipe Welding	5
WLDG-2553	Advanced Pipe Welding	5

Dual Arc Welding Certificate

The dual credit arc welding program leads to a level one certificate.

- Degree Type: Certificate
- No courses available online
- Dual Credit Arc Welding is offered on participating high school campuses
- TSI (p. 48): not required

This program is not designed to transfer.

TVCC's dual credit arc welding certificate is available at participating high schools under the instruction of a TVCC qualified welding instructor.

Although TVCC does not have special selection criteria for the welding program, high school students are encouraged to contact the school counselor to determine if there are any high school selection criteria for entry in this program.

In order to complete the dual arc welding certificate, high school students will be expected to complete WLDG courses each semester during their 10th grade, 11th grade and 12th grade years.

Course	Title	Hours
First Year		
Term One		
10th Grade Year		
WLDG-1323	Welding, Safety, Tools, and Equipment	3
Hours		3
Term Two		
10th Grade Year		
WLDG-1317	Introduction to Layout and Fabrication	3
Hours		3
Second Year		
Term One		
11th Grade Year		
WLDG-1353	Intermediate Layout and Fabrication	3
WLDG-1428	Introduction to Shielded Metal Arc Welding	4
Hours		7
Term Two		
11th Grade Year		
WLDG-1407	Introduction to Welding Using Multiple Processes	4
WLDG-1457	Intermediate Shielded Metal Arc Welding	4
Hours		8
Third Year		
Term One		
12th Grade Year		
WLDG-1202	Fundamentals of Gas Metal Arc Welding	2
WLDG-1430	Introduction to Gas Metal Arc Welding	4
Hours		6
Term Two		
12th Grade Year		
WLDG-1206	Fundamentals of Gas Tungsten Arc Welding	2
WLDG-2443	Advanced Shielded Metal Arc Welding	4
Hours		6
Total Hours		33

Pipe Welding Certificate

The pipe welding certificate is designed for specific instruction and training related to pipe welding.

- Degree Type: Certificate
- No courses available online
- Pipe Welding is offered on the Athens campus
- TSI (p. 48): not required

This program leads to Welding Technology AAS degree.

Students may enter the welding certificate during the fall or spring or summer one semester of each year.

There is no special selection criteria for the welding certificate program.

The day program is block scheduled on the Athens campus from 7:30 a.m. – 4:30 p.m. Monday through Thursday. The evening program is blocked scheduled on the Athens campus from 5:00 p.m. – 10:00 p.m. Monday and Wednesday. The summer one program is blocked scheduled on the Athens campus from 7:30 a.m. – 6:00 p.m. Monday through Thursday.

Course	Title	Hours
Term One		
WLDG-1521	Welding Fundamentals	5
WLDG-1323	Welding, Safety, Tools, and Equipment	3
WLDG-1557	Intermediate Shielded Metal Arc Welding	5
Hours		13
Term Two		
WLDG-1435	Introduction to Pipe Welding	4
Hours		4
Term Three		
WLDG-2506	Intermediate Pipe Welding	5
WLDG-2553	Advanced Pipe Welding	5
Hours		10
Total Hours		27

TIG Welding Certificate

- Degree Type: Certificate
- No courses available online
- Welding is offered on the Athens campus
- TSI (p. 48): not required

Course	Title	Hours
Term One		
WLDG-1521	Welding Fundamentals	5
WLDG-1323	Welding, Safety, Tools, and Equipment	3
WLDG-1557	Intermediate Shielded Metal Arc Welding	5
WLDG-1206	Fundamentals of Gas Tungsten Arc Welding	2
WLDG-1534	Introduction to Gas Tungsten Arc Welding	5
WLDG-2551	Advanced Pipe Gas Tungsten Arc Welding	5
Hours		25
Total Hours		25

Welding Instructor OSA

Occupational skills achievement awards (OSA) are locally approved sequences of credit courses designed to provide entry-level employment skills or industry certifications in an abbreviated timeframe.

- Degree Type: None awarded
- No courses available online
- Welding OSA offered on Athens campus
- TSI (p. 48): not required

The welding OSA is designed for specific training in shielded metal arc GTAW or pipe welding. This program leads to the Welding Certificate.

Students may enter the welding certificate during the spring or summer semester of each year.

There is no special selection criteria for the welding certificate program.

The day program is block scheduled on the Athens campus from 7:30 a.m. – 4:30 p.m. Monday through Thursday. The evening program is blocked scheduled on the Athens campus from 5:00 p.m. – 10:00 p.m. Monday and Wednesday. The summer one program is blocked scheduled on the Athens campus from 7:30 a.m. – 6:00 p.m. Monday through Thursday.

Course	Title	Hours
Term One		
WLDG-2543	Advanced Shielded Metal Arc Welding	5
	Hours	5
Term Two		
WLDG-2551 or WLDG-2553	Advanced Gas Tungsten Arc Welding or Advanced Pipe Welding	5
	Hours	5
	Total Hours	10

Welding Pathway Courses

WLDG-1202. Fundamentals of Gas Metal Arc Welding. (2 Credits)

(2-1-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of Gas Metal Arc Welding (GMAW). Includes setup and safe use of GMAW equipment as well as instruction in various basic weld joints. Lab fee.

WLDG-1206. Fundamentals of Gas Tungsten Arc Welding. (2 Credits)

(2-1-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamentals of Gas Metal Arc Welding (GMAW). Includes setup and safe use of GTAW equipment as well as instruction in flat positions on joint designs. Lab fee.

WLDG-1317. Introduction to Layout and Fabrication. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction.

WLDG-1323. Welding, Safety, Tools, and Equipment. (3 Credits)

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to welding equipment and safety practices, including OSHA standards for industry. Lab Fees.

WLDG-1353. Intermediate Layout and Fabrication. (3 Credits)

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An intermediate course in layout and fabrication. Includes design and production of shop layout and fabrication. Emphasis placed on symbols, blueprints, and written specifications. Lab Fees.

WLDG-1407. Introduction to Welding Using Multiple Processes. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Basic welding techniques using some of the following processes: Oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAW), flux cored arc welding (FCAW), and gas tungsten arc welding (GTAW). Lab Fee.

WLDG-1417. Introduction to Layout and Fabrication. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction.

WLDG-1421. Welding Fundamentals. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the fundamentals of equipment used in oxy-fuel and arc welding, including welding and cutting safety, basic oxy-fuel welding and cutting, basic arc welding processes and basic metallurgy.

WLDG-1423. Welding Safety, Tools, & Equipment. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to welding equipment and safety practices, including OSHA standards for industry.

WLDG-1425. Introduction to Oxy-Fuel Welding & Cutting. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to oxy-fuel welding and cutting, including history and future in welding, safety, setup and maintenance of oxy-fuel welding, and cutting equipment and supplies.

WLDG-1428. Introduction to Shielded Metal Arc Welding. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrode selection, and various joint designs. Lab Fee.

WLDG-1430. Introduction to Gas Metal Arc Welding. (4 Credits)

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Principles of gas metal arc welding, setup and use of Gas Metal Arc Welding (GMAW) equipment, and safe use of tools/equipment. Instruction in various joint designs. Lab fee.

WLDG-1434. Intro Gas Tungsten Arc. (4 Credits)

(4-2-8) Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Instruction in various positions and joint designs. Lab fee.

WLDG-1435. Introduction to Pipe Welding. (4 Credits)

(4-2-8) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to welding of pipe using the shielded metal arc welding process (SMAW) including electrode selection, equipment setup and safe shop practices. Emphasis on weld positions 1G and 2G using various electrodes. Lab fee.

WLDG-1457. Intermediate Shielded Metal Arc Welding. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the production of various fillets and groove welds. Preparation of specimens for testing in various positions. Lab fee.

WLDG-1521. Welding Fundamentals. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the fundamentals of equipment used in oxyacetylene and arc welding, including welding and cutting safety, basic oxy acetylene welding and cutting, basic arc welding processes and basic metallurgy. Lab fee.

WLDG-1530. Introduction to Gas Metal Arc Welding. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the principles of gas metal arc welding, setup and use of GMAW equipment and safe use of tools/equipment. Instruction in various joint designs. Lab fee.

WLDG-1534. Introduction to Gas Tungsten Arc Welding. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Principles of gas tungsten arc welding (GTAW), including setup, GTAW equipment. Instruction in various positions and joint designs. Lab Fee.

WLDG-1557. Intermediate Shielded Metal Arc Welding. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A study of the production of various fillets and groove welds. Preparation of specimens for testing in all test positions. Lab fee.

WLDG-2406. Intermediate Pipe Welding. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A comprehensive course on the welding of pipe using the shielded metal arc welding (SMAW) and/or other processes. Welds will be done using various positions. Topics covered include electrode selection, equipment setup, and safe shop practices. Lab fee.

WLDG-2435. Advanced Layout and Fabrication. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An advanced course in layout and fabrication. Includes production and fabrication of layout, tools, and processes. Emphasis on application of fabrication and layout skills.

WLDG-2443. Advanced Shielded Metal Arc Welding. (4 Credits)

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joints in all positions. Lab fee.

WLDG-2451. Advanced Gas Tungsten Arc Welding. (4 Credits)

This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced topics in GTAW welding, including welding in various positions and directions. Lab Fee.

WLDG-2453. Advanced Pipe Welding. (4 Credits)

(4-2-6) Advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Topics include electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes. Lab fee.

WLDG-2506. Intermediate Pipe Welding. (5 Credits)

(5-3-5) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. A comprehensive course on the welding of pipe using the shielded metal arc welding (SMAW) process. Welding will be done using various positions. Topics covered include electrode selection, equipment setup and safe shop practices. Lab fee.

WLDG-2543. Advanced Shielded Metal Arc Welding. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joint in various positions. Lab Fee.

WLDG-2551. Advanced Gas Tungsten Arc Welding. (5 Credits)

(5-3-6) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced topics in GTAW welding, including welding in various positions and directions. Lab Fee.

WLDG-2553. Advanced Pipe Welding. (5 Credits)

(5-3-5) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Topics include electrode selection, equipment setup and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes. Lab fee.

Welding Occupational Outlook

What Welders, Cutters, Solderers, and Brazers Do

Welders, cutters, solderers, and brazers use hand-held or remotely controlled equipment to join or cut metal parts. They also fill holes, indentations, or seams in metal products.

Duties

Welders, cutters, solderers, and brazers typically do the following:

- Study blueprints, sketches, or specifications
- Calculate the dimensions of parts to be welded
- Inspect structures or materials to be welded
- Ignite torches or start power supplies
- Monitor the welding process to avoid overheating
- Maintain equipment and machinery

Welding is the most common way of permanently joining metal parts. In this process, heat is applied to metal pieces, melting and fusing them to form a permanent bond. Because of its strength, welding is used in shipbuilding, automobile manufacturing and repair, aerospace applications, and thousands of other manufacturing activities. Welding also is used to join steel beams in the construction of buildings, bridges, and other structures and to join pipes in pipelines, power plants, and refineries.

Welders work in a wide variety of industries, from car racing to manufacturing. The work that welders do and the equipment they use vary with the industry. Arc welding, the most

common type of welding today, uses electrical currents to create heat and bond metals together—but there are more than 100 different processes that a welder can use. The type of weld is usually determined by the types of metals being joined and the conditions under which the welding is to take place.

Cutters use heat to cut and trim metal objects to specific dimensions. Their work is closely related to that of welders. However, instead of joining metals, cutters use the heat from an electric arc, a stream of ionized gas called plasma, or burning gases to cut and trim metal objects to specific dimensions. Cutters also dismantle large objects, such as ships, railroad cars, automobiles, buildings, and aircraft. Some operate and monitor cutting machines similar to those used by welding machine operators.

Solderers and **brazers** also use heat to join two or more metal objects together. Soldering and brazing are similar, except that the temperature used to melt the filler metal is lower in soldering. Soldering uses metals with a melting point below 840 degrees Fahrenheit. Brazing uses metals with a higher melting point.

Soldering and brazing workers use molten metal to join two pieces of metal. However, the metal added during the soldering or brazing process has a melting point lower than that of the piece, so only the added metal is melted, not the piece. Therefore, these processes normally do not create distortions or weaknesses in the piece, as can occur with welding.

Soldering commonly is used to make electrical and electronic circuit boards, such as computer chips. Soldering workers tend to work with small pieces that must be positioned precisely.

Brazing often is used to connect cast iron and thinner metals that the higher temperatures of welding would warp. Brazing also can be used to apply coatings to parts in order to reduce wear and protect against corrosion.

SUMMARY

- Welders, cutters, solderers, and brazers
- 2021 Median Pay: \$47,010 per year, \$22.60 per hour
- Typical Entry-Level Education: High school diploma or equivalent
- Work Experience in a Related Occupation: None
- On-the-job Training: Moderate-term on-the-job training
- Number of Jobs, 2021: 428,000
- Job Outlook, 2021-31: 2% (Slower than average)
- Employment Change, 2021-31: 6,900

Work Environment

Welders, cutters, solderers, and brazers may work outdoors, often in inclement weather, or indoors, sometimes in a confined area. They may work on a scaffold, high off the ground,

and they occasionally must lift heavy objects and work in awkward positions. Most work full time and overtime is common.

How to Become a Welder, Cutter, Solderer, or Brazier

A high school diploma or equivalent, combined with technical and on-the-job training, is typically required for anyone to become a welder, cutter, solderer, or brazer.

Pay

The median annual wage for welders, cutters, solderers, and brazers was \$47,010 in May 2021.

Job Outlook

Employment of welders, cutters, solderers, and brazers is projected to grow 2% from 2021 to 2031, slower than average for all occupations. The nation's aging infrastructure will require the expertise of welders, cutters, solderers, and brazers to help rebuild bridges, highways, and buildings.

State & Area Data

Explore resources for employment and wages by state and area for welders, cutters, solderers, and brazers.

Similar Occupations

Compare the job duties, education, job growth, and pay of welders, cutters, solderers, and brazers with similar occupations.

More Information, Including Links to O*NET

Learn more about welders, cutters, solderers, and brazers by visiting additional resources, including O*NET, a source on key characteristics of workers and occupations.

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Welders, Cutters, Solderers, and Brazers, on the Internet at <https://www.bls.gov/ooh/production/welders-cutters-solderers-and-brazers.htm> (visited May 31, 2023).

COMMON COURSE NUMBERING AND PREFIXES

Course Numbers, Transfer Identification, and Common Course Numbering System

Trinity Valley Community College participates in the Texas Common Course Numbering System, designed to assist students who are transferring between higher education institutions. Each course is assigned an alphabetic prefix that specifies the department offering the course and a four-digit number.

- The first of four digits identifies the academic level of the course.
 - Freshman, or first-year, courses are designated by a 1
 - Sophomore, or second-year, courses are designated by a 2
 - Junior, or third-year, courses are designated by a 3.
 - Senior, or fourth-year, courses are designated by a 4.
- The second digit specifies the number of semester credit hours awarded for completion of the course. The third and fourth digits establish course sequences within a program area.

Each TVCC course also has three numbers in parentheses following the course title. The first number indicates the number of credit hours for the course. The second number indicates the number of lecture hours the course meets each week. The third number indicates the number of lab hours the course meets each week. For example, (3-3-2) indicates a three-semester credit hour course that meets for three lecture hours and two laboratory hours each week. Developmental studies and developmental co-requisite courses are an exception to this designation. They carry no semester-hour credit and cannot be used for graduation purposes.

Course Prefix Code Cross-Referenced by Discipline

Discipline	Rubric
Accounting	ACNT, ACCT
Agriculture	AGRI
Arts	ARTS
Automotive Technology	AUMT
Biology	BIOL
Business & Office Administration	BMGT, BUSG, BUSI, ITSW, POFT, POFI, MRMT
Chemistry	CHEM
Communications	COMM
Computer Science	BCIS, ITSY, COSC, ITSE, ITSC, ITSW, ITNW, IMED, GAME, ITSY

Co-requisite Developmental	DECO
Cosmetology	CSME
Cosmetology Student Instructor	CSME
Criminal Justice	CJCR, CJLE, CJSJ, CRIJ
Dance	DANC
Drafting Design Technology	ARCE, DFTG, ARTC, ENGR, MCHN
Drama	DRAM
Early Childhood Development	CDEC, TECA
Education	EDUC
Economics	ECON
Electrical	ELPT
Electrician	ELTN, ELPT, OSHT
Electromechanical	ELMT
Emergency Medical Technology	EMSP
Engineering	ENGR
English	ENGL
Fire Science Technology	FIRT
French	FREN
Geography	GEOG
Government	GOVT
Heating, Air Conditioning, Ventilation and Refrigeration	HART
History	HIST
Humanities	HUMA
Kinesiology	KINE
Legal Assistant Technology	POFL, LGLA
Lineworker	LNWK, CETT
Management	BUSG, BMGT, HRPO, MRKG
Mathematics	MATH
Mechanical Engineering Technology	EGRT, INMT, MCHN
Medical Office Technology	POFM, MRMT, MDCA
Medical/Nursing Assistant Program	ECRD, GERS, HITT, HPRS, MDCA, NURA, PLAB, POFM
Music	MUEN, MUSI, MUAP
Nursing--Associate Degree Nursing	RNSG
Patient Care Technology	ECRD, NUPC, NURA, MDCA, HPRS
Pharmacy Technician	PHRA
Philosophy	PHIL

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Physics	PHYS
Plumbing	PPFB, OSHT
Psychology	PSYC
Ranch Management	AGCR, AGEQ, AGAH, AGMG
Real Estate	RELE
Robotics	RBTC
Sociology	SOCI
Spanish	SPAN
Speech	SPCH
Surgical Technology	SRGT
Vocational Nursing	VNSG
Welding	WLDG

For more information about the Texas Common Course Numbering System (TCCN) or for a listing of participating institutions, contact the office of the vice president of instruction or the Advising Center.

FACULTY AND STAFF DIRECTORY

Airheart, Debra - Instructor

B.A., M.A., East Texas State University
Ed.D., Texas A&M University-Commerce

Alexander, Samantha- Instructor

Allen, Daniel (Cade) - Instructor
B.A., M.S.E., Harding University
M.A., University of Texas Permian Basin
Ph.D., Texas Tech University

Anderson, Tangie - Instructor
A.A.S, Trinity Valley Community College

Anthony, Brittini- Assistant Coach

Atwood, Kimberlee – Bookstore & Campus Coordinator
Medical Assistant Diploma, Brightwood College

Austin, Samuel - Instructor
A.A., A.A.S., Trinity Valley Community College

Baker, Donna Rial- - Instructor
A.A., Dallas County Community College
B.S., University of Texas at Dallas
M.Ed., Texas A&M University-Commerce
M.A., Amberton University
Graduate Study, Walden University

Ball, Jennifer – Senior Business Analyst
B.A.A., Baylor University

Ballom, Jeffrey – Assistant Campus Director
A.A., Penn Valley Community College Missouri
B.S., M.S., Texas A&M University-Commerce

Barber, Zachry - Building Services Technician

Barnes, Amber - Instructor
B.A., M.A., Texas A&M University-Commerce

Barnett, Jarett – Instructor
A.A.S, Trinity Valley Community College

Barrera, Kristina - Admissions & Records Specialist
A.A.S, Trinity Valley Community College

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Baumgartner, Brian - Instructor
A.S., San Jacinto College
B.S., M.S., University of Houston Clear Lake
Ph.D., Texas A&M University

Bedford, Jan – Instructor
B.S., Stephen F. Austin State University
M.S., Texas A&M University-Commerce

Befeld, Lauren - Financial Aid Officer II
A.A., Trinity Valley Community College
B.A.A.S., Texas A&M University-Commerce

Bell, Christopher- Dual Credit High School Liaison
B.A., The University of Texas at Arlington
M.A., Midwestern State University

Beltran, Amanda – Human Resources Generalist
A.A.S., Trinity Valley Community College
B.A.A.S., Texas A&M University-Commerce

Benge, Holli – Instructor
B.S., M.S., University of Texas at Tyler

Bennett, Donna - Instructor
B.A., Southwestern University
J.D., St. Mary's University School of Law
Texas Law License, State Bar of Texas, Board Certified, Criminal Law
Graduate Study, University of Texas at Tyler

Bernhardt, Kelsey - Coaching Assistant
B.S., Doane University

Berry, Melinda – AVP Student Advocacy Services
B.S., Sam Houston State University
M.A., Texas A&M University-Corpus Christi
ABD, Texas A&M University-Commerce

Birmingham, Carlie- Assistant Coach- Cardettes
A.S. Trinity Valley Community College

Blake, Branson - Systems Administrator

Blurton, Ginger – Testing Coordinator I
B.S., M.S., Ed.D. Texas A&M University-Commerce

Booth, Thomas - Instructor
A.S., Trinity Valley Community College
B.S., M.S., Texas A&M University-Commerce

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A.A., Trinity Valley Community College
B.S., Texas A&M Commerce

Bowen, Robert – Multimedia Specialist B.B.S.,
Hardin Simmons University M.F.A., University of
Missouri Kansas City M.F.A., University of North
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B.S., M.S., Sam Houston State University

Brewer, Daniel - ERP Analyst
A.A.S., Trinity Valley Community College

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B.A., M.A., University of North Texas
Graduate Study, University of North Texas

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A.A.S., Trinity Valley Community College
B.S., M.S., Walden University

Brown, April - CE Specialist
A.A.S., Trinity Valley Community College
Certificate, Office Technology, Trinity Valley Community College

Brown, Jessica-Contracts and Insurance

Brown, Morgan - Executive Assistant III

Bryan, Blake – Assistant Coach/Defensive Coordinator- Football
B.S., Midwestern State University

Bryan, Karla - Director of Learning Resource
A.A., Trinity Valley Community College
B.A., University of Texas at Tyler
M.L.S., Texas Woman's University
Ed.D, Walden University

Brewer, Shelby- Instructor

Buford, Tony – Director of Facilities and Building Services
A.A.S., Trinity Valley Community College

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Burnett, Brad – Sr. Research & Assessment Analyst

A.A. Trinity Valley Community College

B.S., Bellevue University

M.S., Western Governor's University

Caines, Maurice- Instructor

A.A., Dallas College

Camp, Ronald Edward - Instructor

A.A., Tyler Junior College

B.S., M.B.E., Stephen F. Austin State University

Graduate Study, Stephen F. Austin State University, University of North Texas, University of Texas at Tyler, Corpus Christi State University, Abilene Christian University

Camacho, Stephanie- Instructor

A.A Tyler Junior College

B.S Texas A&M Commerce

M.A Tarleton State University

Cariker, Heath-Director of Campus Police

Carson, Beatrice "Bea" - Executive Assistant II, Vice President of Student Services

A.A.S., Trinity Valley Community College

Carter, David M – Building Services Technician

Lauren Casey

A.A., Trinity Valley Community College

B.A., Saint Anselm College

Chambless, Valarie- Instructor

A.A Tyler Junior College

B.S., M.A., Ph.D., University of Texas at Arlington

Church, Cheryl – Executive Assistant I, AVP Workforce Education

Clary, Regina Weeks- - Instructor

B.S., M.S., Texas A & M University

Ph.D., University of Texas Health Science Center at Houston GSBS, UT M.D. Anderson Cancer Center

Clary, Shaydi- Marketing and Communication Specialist

A.A., Trinity Valley Community College

B.S., Texas Wesleyan University

Cleaver, Matthew- Instructor

B.S., John Brown University

M.H., University of Dallas

Copeland, Clinton- Campus Safety Officer

Coan, Alicia – Director of System Support Services
A.A.S., Trinity Valley Community College

Collard, Micah – Systems Administrator

Collier, Holley – AVP of Instructional Innovation and Support
A.A., Trinity Valley Community College
B.S., M.Ed., Ed.D. Tarleton State University

Cook, Elbert "Al" - Instructor
B.A., M.A., University of Alabama
Ph.D., North Carolina State University

Cook, Lori – Instructor
A.A., Trinity Valley Community College
B.S.N., M.A. University of Phoenix

Cooper, Jenny Hughes – Instructor
A.S., Trinity Valley Community College
B.S., East Texas State University
M.Ed., University of Texas at Arlington

Cortez, Russann – LRC Technical Assistant

Cox, Emma –Director of Cardettes
B.S., Stephen F. Austin University

Crosby, Richard – AVP Workforce Education
A.A.S., Texas State Technical College
B.S., M.S., University of Texas at Tyler

Brenda Cumby- Instructor
A.A. Trinity Valley Community College

Curran, Cortney - Assistant Registrar
B.S.E., M.Ed., University of Arkansas

Curry, Dana – Instructor
A.S., Dallas County Community College
B.S., M.S., Texas A&M University-Commerce

Daniel-Huddleston, Sheree - Instructor
A.A., Trinity Valley Community College
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B.S. in Pharmacy, University of Houston, College of Pharmacy
B.S. in Education, University of Texas at Tyler
M.S. in Administration, Lamar University

684 | FACULTY AND STAFF DIRECTORY

Day, Brianna – Instructor
A.S., M.S., Illinois State University
B.S., University of Maryland, College Park

Dean, Jasmine – Administrative Assistant

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B.S., M.S., Texas A&M University-Commerce

Denney, Tammy –Vice President of Student Services
B.S., University of Texas at Tyler
M.Ed., Texas A&M University-Commerce

Depperschmidt, Noelle - Instructor
A.A., Prince George's Community College
B.A., M.A., Texas Woman's University

Dotts, Bryan – PC/LAN Analyst
A.A., Trinity Valley Community College

Dotts, Janene – AVP of Human Resources/Title IX Coordinator
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B.S., M.S., Western Governor's University
Ph.D., Liberty University

Dotts, Stephen - Systems Administrator
A.S., ITT Technical Institute
CCENT, Cisco Systems
Dubose, Jeff- Director of Bands
B.M University of Texas

Duff, Mary – Administrative Assistant

Duffie, Demard – Academic Support Coordinator
B.S., Texas A&M University-Commerce

Duncan, Nicole - Admissions and Records Specialist

Edwards, Heidi - Executive Assistant I

James Elder
B.S., University of Texas at Dallas

Elledge, Janet – Instructor
Certificate, Cosmetology, Trinity Valley Community College

Ellis, Patricia- Instructor
A.A.S., Trinity Valley Community College
B.S., M.S., University of Texas at Tyler
D.N, American Sentinel University

Engelbrecht, Brittney- Assistant Coach
B.S William Woods University

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B.A., Texas A&M University-Commerce

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B.S., Western Kentucky University
Ph.D., University of Tennessee

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Fisher, Christine - Instructor
B.A., San Diego State University
M.A., University of Texas at Arlington

Forgey, Megan - Executive Assistant I
B.S Western Governors University

Forgey, Seth - PC/LAN Analyst
A.A., Tallahassee Community College

Franklin, Khristopher – Co-Head Coach– Cheerleading
BBA, MBA, Stephen F. Austin University

Fritz, Joanna - Director of Marketing & Communications
B.S., Montana College of Mineral Science & Technology

Fuentes, Fabiola – Alumni and Development Coordinator
A.A., Dallas College

Fudge, Jonathan - PC/LAN Analyst
A.A., Trinity Valley Community College

Frye, Deanna - Instructor
A.A., Tyler Junior College
B.F.A., University of North Texas
M.A.A.E, New Hampshire Institute of Art

Fulford, Donald - Instructor
A.A.S., Trinity Valley Community College
B.A.A.S., Sam Houston State University
M.S., Texas A&M University-Commerce

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Fuller, Stephanie- Instructor

A.A., Trinity Valley Community College

B.S., University of Texas at Tyler

Furr, Guy – Associate Head Coach Men's Basketball /Community Relations Coordinator

B.S., Murray State University

M.S., University of Alabama-Birmingham

Molly Funkhouser- Recruiter

Garner, Rebecca "Becca" - Academic/Workforce Advisor

A.A., A.A.S., Trinity Valley Community College

B.G.S., Texas A&M University-Commerce

Gardner, Ashlee-Instructor

B.A University of Texas at Tyler

M.A University of Texas at Arlington

PHD University of Louisiana Monroe

Garrett, Rodney – Campus Building Service Manager - Terrell

Geisel, Vickie - Instructor

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B.A., M.A., University of Texas at Tyler

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Gleitz, Tyson – Sr. Accountant- Financial Reporting

B.B.A., Texas Tech University

M.B.A., University of Texas at Tyler

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B.A., University of California, Santa Barbara

CPA, State of Texas

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B.S., Texas A&M Commerce

Gordon, Angela - Instructor
A.A., Trinity Valley Community College
B.A., University of Texas at Tyler
M.S., Texas A&M University-Commerce

Gott, Shauna – Instructor
B.S.N., Texas Tech University

Green, Paulette - Instructor
B.S., University of Texas at El Paso
M.S., Western Governors University
DNP, Grand Canyon University

Hairgrove, Jonathan – TVCC Ranch Hand

Hannigan, Jennifer – Instructor
A.A., Trinity Valley Community College
B.S., M.A., University of Texas at Tyler

Hanson, Jason - ERP Analyst
A.A., Trinity Valley Community College

Hanson, Leon - Director of Transportation & Logistics

Hardison, Misti - Financial Aid Officer II
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B.A.A.S., Texas A&M University-Commerce

Harris, Katie- Administrative Assistant
A.A., Trinity Valley Community College

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B.A., Wiley College
M.Ed., Prairie View A&M University
Graduate Study, Texas A&M University-Commerce, South Texas College of Law

Hayes, Aleah – Head Coach – Volleyball
B.A., M.A., Columbia College

Head, Mary- LRC Technical Assistant
A.A., A.A.S., Trinity Valley Community College

Hebert, Tyler- Instructor

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Heiar, Greg- Head Coach- Men's Basketball
A.A Kirkwood Community College
B.A Mount St. Clare College
M.A Loras College

Hembree, Chris – Bookstore General Clerk

Henderson, Jimmy - Instructor

Hendrix, Lesa - instructor
A.A.S., Trinity Valley Community College
B.S., The University of Texas at Arlington

Herod, Ronn – Instructor

A.S., Blinn College
B.S., Baptist Bible College

Hicks, Christie - Director of Adult & Continuing Education
A.A., Trinity Valley Community College
B.S., M.S., Southern Methodist University

Holder, Ashley- Instructor
B.S., Baylor University
M.A., University of Texas
Ph.D., Florida State University

Holmes, Valerie - Instructor
A.A.S., Collin College

Hood, Eric - Network Administrator
A.S., Trinity Valley Community College
B.S., DeVry University

Hopkins, David - Vice President of Administrative Services and CFO
B.S., University of Texas at Dallas
C.P.A., State of Texas

Hopkins, Dyann – Dual Credit Specialist

Matthew Hopkins- Admissions and Records Specialist
A.A., Tyler Junior College

Horton, Kristy - LRC Technical Assistant
A.A., Trinity Valley Community College

Kristi House- Accounting Clerk

Howard, Amber- Campus Events Specialist

Huggins, Kristin – Instructor
 B.M., Abilene Christian University
 M.M., New England Conservatory of Music

Hunt, Leonard – Coaching Assistant- Football
 A.S., Navarro College

Hunter, Sarah- Testing Coordinator II
 A.A., Trinity Valley Community College
 B.S., Texas A&M Commerce
 M.Ed., Texas A&M Commerce

Ivory, Tre – Coaching Assistant- Men's Basketball

Iverson, Ruth - Skills Laboratory Coordinator
 A.S., San Jacinto Junior College
 B.S.N., University of Texas at Arlington

Ivy, Zereda Precious – Head Coach – Women's Basketball
 B.S., University of Houston
 M.A., Concordia University, Irvine

Janeway, Robert Security Information Analyst
 ATI Career Training, Electronic Technology
 Microsoft Certified Professional, Network+, Security+
 A.A.S., Trinity Valley Community College
 B.S., M.S.- Western Governor's University

Jaskolowski, Toni- Admissions and Records Specialist
 A.A., B.S., Parker University

Jenkins, Jarod - PC/LAN Analyst
 A.A., Trinity Valley Community College

Jenkins, Tommy - PC/LAN Analyst
 A.A.S., Trinity Valley Community College

Johnson, James – Building Service Technician

Johnson, Javontae – Co-Head Coach – Cheerleading
 A.A., Trinity Valley Community College
 B.S., Sam Houston State University

Johnson, Joshua- Coaching Assistant
 A.A., Trinity Valley Community College

Johnson, Michael – Campus Police Officer

Johnson, Thelma - Executive Assistant II

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Johnston, Jennifer - Director of SBDC
A.A., Trinity Valley Community College
B.A.A.S., Texas A&M Commerce

Jones, Angela – Unit Enrollment Coordinator
B.A., M.A., Texas Tech University

Jones, Harold – Director of Housing/Dinning/Judicial Officer
B.A., Jackson State University
M.P.A., University of Akron

Jones, James – Head Coach- E-Sports
A.A., Trinity Valley Community College
B.S., Sam Houston State University

Jones, Kandi – Development Officer/Scholarship Coordinator
B.S., University of Texas at Tyler

Jones, Shelley – Assistant Director of Financial Aid and Veteran Services
A.A., Tarrant County Community College
B.A., University of North Texas
M.Ed., Angelo State University

Kalawe, Kourtney- Purchasing/Travel Coordinator
A.A Trinity Valley Community College
B.A Texas A&M Commerce

Kelm, Mary Helen - AVP of Dual Credit
B.S., Texas A&M University
M.ED., Lamar University

Kennedy, Zachariah – Network Specialist
A.A.S., ITT Technical Institute

Keys, Marc – PC/LAN Analyst

Kidd, Beth Ann - Director of Bookstore Services
B.B.A., Baylor University
M.B.A., University of Texas

Killgo, Toni – Instructor
A.A.S., Trinity Valley Community College
B.A.A.S., University of Texas at Arlington

King, James - Director of Client Support Services
A.A., Trinity Valley Community College

King, Jennifer – Instructor
B.S., M.B.A., Texas A&M University-Commerce

Kinney, Jordan – Graphic Art & Design Specialist

Kinsey, Loni - Instructor
M.A., Ph.D., Texas A&M University

Kirk, September - Instructor
B.F.A., University of Texas at Arlington
M.F.A., University of Alabama

Kite, John “Eddie” – Director of Intercollegiate Athletics
B.A., East Texas Baptist University – Marshall
M.Ed., East Central University

Kite, Sarah – Academic/Workforce Advisor
A.A., Trinity Valley Community College
B.S., East Texas State University

Krieger, Mary - Instructor
A.A.S., Trinity Valley Community College
B.S.N., M.S.N., University of Texas at Arlington

Lambert, Misti – Unit Enrollment Coordinator

Land, Linda - Executive Assistant II, Executive Director of the TVCC Foundation

Landers, Sherry - Administrative Assistant, Vocational Nursing/TDCJ Training Office

Laughery, Allen - Transportation & Logistics Specialist

Lee, Craig - Head of Performance Studies/ Instructor
B.F.A., Texas Christian University
M.F.A., California Institute of the Arts

Lein, Paula Crockett - Assistant Director of Bookstore Services
A.A., Fashion Institute of Design and Merchandising

Leis, Shawn – Building Services Manager
Levinson, Martin-Head Coach
A.A., Southeast Community College
B.S., M.A., University of Nebraska

Lewis, Frances-Administrative Assistant

Leyva, Amanda – Assistant Campus Director
A.S., Trinity Valley Community College
B.B.A., Texas A&M University-Commerce
M.A., Amberton University

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Lindsey, Dana – Academic/Workforce Advisor
A.A., Trinity Valley Community College
B.A., Texas State University

Long, Nancy - Instructor
B.S.Ed., M.A., Ed. Spec., Central Missouri State University
Graduate Study, Texas A&M University-Commerce, University of Texas at Tyler,
Missouri University Columbia, University at Columbia

Loper, David - Instructor
A.A., Lon Morris College
B.B.A., M.B.Ed., Stephen F. Austin State University
Graduate Study, Stephen F. Austin State University, East Texas State University, Texas
A&M University, University of North Texas, University of Texas at Tyler, Corpus Christi State
University

Madsen, Kianna - Digital Support Specialist
A.A., Trinity Valley Community College

Mallory, Angel - Instructor
A.A.S., Trinity Valley Community College
B.S., Texas A&M University-Commerce
M.A., Amberton University

Marshall-Booth, Jennifer - Graphic Artist and Print Design Coordinator
B.F.A., West Texas A&M University

Martin, Lauren – Instructor
Certificate, Trinity Valley Community College

Martinez, Angela – Instructor
B.A., M.S., Texas A&M University-Commerce

Martinez, Daniela - Student Retention Specialist
B.G.S., Texas A&M University- Commerce

Mavroudis, Marios – Instructor
A.A. Technical School of Athens Greece

McArthur, Marcus- Vice President of Operations
B.A., University of California, Los Angeles
M.A., Westminster Seminary
Ph.D., Saint Louis University

McLeod, Molly-Coaching Assistant

McDaniel, Gregory – Instructor
B.S. – University of Texas at Tyler
M.Ed., Stephen F. Austin State University

McKinney, Brandi – Bookstore Purchasing Clerk
A.A., Trinity Valley Community College
B.S., Texas A&M University-Commerce

McLelland, Jeana - Academic Support Coordinator
A.A., Trinity Valley Community College
B.A.A.S., The University of Texas at Tyler

Melendez, Jessie – LMS Administrator
A.A.S., Trinity Valley Community College

Merciers, Misty - Instructor
Certificate, Trinity Valley Community College

Midthun, Kristine- SBDC Coordinator
B.A., University of Wisconsin- Eau Claire

Miles, Sherry – TDCJ Special Projects Coordinator
A.A.S., Trinity Valley Community College

Miller, Michael- Data Analyst
B.A., M.A., University of Texas at Arlington

Mire, Jaime - Assistant Director of Learning Resource Center
A.A., Trinity Valley Community College
B.A.A.S., Texas A&M University-Commerce
M.S.L.S., Clarion University

Mitchell, Cody – Instructor
B.S., Angelo State University
M.S., Stephen F. Austin University

Monds, Bill - Instructor
B.A., University of Texas at Arlington
M.A., Texas A&M University-Commerce
Graduate Study, Texas A&M University-Commerce, University of Texas at Tyler

Munden, Amanda "Mandi"- Executive Assistant I
A.A., Trinity Valley Community College
B.A., Texas A&M Commerce

Jason Morrison- President
B.A., Henderson State University
M.A., M.Ed., Arkansas State University

Mullins, Suzan - Executive Assistant I, AVP of Facilities

Myers, Shane- Building Services Technician

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Negrete, Monica – Academic Advisor

Neil, Susan - Enrollment & Administrative Advisor
B.B.A., Baylor University

Nelson, Elizabeth - Head of Theatrical Design/ Instructor
B.A., Northwestern College
M.F.A., University of Kansas

Newman, Delana - Senior Accountant – Grants & Regulatory Reporting
A.A., Trinity Valley Community College

Noell, Ashley - Tutor Coordinator
B.A., University of Texas at Arlington
M.A., Stephen F. Austin University

Palacios, Jorge - Videographer
A.A., Trinity Valley Community College
B.A., University of North Texas

Palacios, Natalie, LPC – Counselor
A.A., Trinity Valley Community College
B.A., M.A., University of Texas at Tyler

Palacios, Stacey – CE Program Specialist
B.A., Western Governor's University, Texas

Pattillo, Joseph- Instructor

Penland, Tanna- Admissions and Records Specialist

Pendland, Carol - Instructor
B.S., University of Texas of the Permian Basin
M.S., Stephen F. Austin University

Pennington II, Myles - Director of Applications
B.B.A., University of North Texas
M.B.A., Baylor University

Perry, Miranda- SBDC Advisor
B.A. University of Texas at Tyler

Pfoh, Virginia - Financial Aid Officer I

Placyk, John – Instructor
B.S., Stockton University
M.S., Northern Michigan University
Ph.D., University of Tennessee, Knoxville

Poteete, Sherard - Head Coach – Football
B.G.S., Louisiana College

Powell, John – Instructor
 B.A., Miami University
 M.A., University of Texas at Tyler
 J.D., University of Texas at Austin

Pradarits, Clay - PC/LAN Analyst
 A.A.S., Eastfield College
 MCSA, Network+

Pratt, Mark – LRC Specialist
 B.A., Dallas Baptist University
 M.S., University of North Texas

Price, Vernon L. - Instructor
 A.A., Henderson County Junior College
 B.S., M.S., Ph.D., East Texas State University

Pringle, Donna - Instructor
 L.V.N., El Centro College
 A.A.S., Tyler Junior College

Rand, Marian – Housing Specialist, Cardinal Hall

Ratliff, Eddie - Transportation & Logistics Specialist

Ray, Nicholas - Building Services Technician

Reed Haverlynn- Coaching Assistant

Reed, James - Instructor
 B.A., University of Texas at Austin
 M.A., University of Texas at Arlington

Reynolds, Dallas - Instructor
 Certificate Cosmetology, Trinity Valley Community College

Rice, Kindle - Accounting Specialist- Accounts Payable

Richardson, Erica – Associate Vice President of Academic Affairs
 A.A., Tyler Junior College
 B.S., M.S., University of Texas at Tyler
 Graduate Study, University of Texas Health Science Center Houston, M.D. Anderson
 Cancer Center

Richardson, Pat – Student Financial Aid Specialist: VA/PELL
 A.A., A.A.S., Trinity Valley Community College

Richardson-Dean, Tonya – Director of Financial Aid and Veteran Services
 A.A., Trinity Valley Community College
 B.S., Texas A&M University-Commerce
 M.A., Liberty University

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Emma Ricard- Administrative Assistant

Risko Jr., Robert - Instructor
B.A., Southern Methodist University
M.A., University of Texas at Tyler

Roberts, Robin – Instructor
B.S., Texas Woman's University
M.S.N., University of Texas at Tyler

Robinson, Marc - Instructor /Ranch Manager/Show Team Coach
A.S., Navarro College
B.S., M.S., Sam Houston State University

Robinson, Levi- Campus Police Officer

Robles, Yasmin – Administrative Assistant

Rogers, Amy -Instructor
B.S., M.A., University of Texas at Tyler

Rogers, Benny - Sports Information Officer

Rogers, Jerry - Instructor
B.B.A., Texas A&M University
M.B.A., East Texas State University
Graduate Study, University of Texas at Tyler, East Texas State University, Stephen F. Austin University, Abilene Christian University, University of North Texas

Rumsey, Afton- Instructor
B.A., Southern Methodist University
M.S., Ph.D. University of Texas at Tyler

Romans, Nancy – Testing Specialist
B.S., Southwest Texas State University

Runnels, Nikki - Instructor
A.A.S., Kilgore College
B.S., M.S., Chamberlain University

Russell, Darrell - Building Service Technician

Russell, Glenna - Instructor
B.S., Abilene Christian University
M.S., Texas A&M University- Commerce
Graduate Study, Liberty University

Salinas, Gabrielle – Administrative Assistant
A.A., Trinity Valley Community College

Saxon, Jesse – Campus Police Officer

Scott-Tarniesha- Assistant Coach
B.A., M.A., University of Texas at Dallas

Scott, Troy - Head Athletic Trainer
B.S., Stephen F. Austin State University
M.S., Lamar University

Seibel, Christy – Academic/Workforce Advisor
B.A., University of Texas at Tyler

Segovia, Antonio- Assistant Coach
B.S., McPherson College
M.A., Friends University

Sexton, Suzanna – Executive Assistant I, Palestine Campus
B.A., Warren Wilson College

Shannon, Cheri – Instructor
A.A.S., Trinity Valley Community College

Sharma Anil – Instructor

Sharp, Barbara Susan – Pre-Service Enrollment Coordinator

Sharp, Therese - Executive Assistant I to the Associate Vice President of Academic Affairs
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Shearouse, Teddi – Instructor
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