



## Trinity Valley Community College Guide for Potential Dual Credit Courses

### Crosswalk Overview

This is a **guide** for cross-walking TVCC college credit courses with high school credit for dual credit. This crosswalk is derived from current practices within TVCC service-area Independent School Districts (ISDs), as well as other community colleges. Suggested crosswalks are not mandated. This document is not intended to dictate how local ISDs choose to award high school credit in a dual credit program (this authority is ultimately the ISD's responsibility). This crosswalk is based on the Foundation High School Graduation Plan.

This crosswalk includes the suggested high school course, the TVCC course, the TSI Requirements, and whether the course has prerequisite requirements for enrollment. These prerequisites and TSI Requirements are subject to change as state laws and college policies change. Check the current TVCC academic catalog for updated information. Please note that some courses listed in the crosswalk may be used in different endorsements than listed below.

### Dual Credit

Courses taken through Trinity Valley Community College must be pre-approved by the appropriate official at the high school to receive dual credit. Documentation of this approval is presented during the registration period with a completed dual credit form. TSI requirements are for students who are not TSI complete in an area by other tests such as ACT, SAT, STAAR EOC, PLAN, or ASPIRE.

### College Transfer Concerns

Points to consider when advising students concerning the transfer of college credits from one college to another:

1. It is the student's responsibility to check with the institution they plan to transfer to concerning the transferability of a course before they register for it. Some private universities will not accept college credit if used for high school credit (example: SMU).
2. Texas public colleges and universities generally transfer courses which have common course numbers and designations. For example: ENGL 1301 is a common course that all Texas public colleges and universities carry. If a course does not carry the same number or designation at the transferring institution, it may not transfer. The student should contact that receiving institution for confirmation. A quick reference guide for compatibility within institutions can be located in the Texas Common Course Numbering System (TCCNS), available at <https://www.tccns.org/>.
3. There are times when a course will be counted as a transfer between institutions; however, that course may not apply to the required courses needed for completion of a particular major. Transfer guides for most Texas institutions are available through the TVCC advisors.
4. Private and out-of-state institutions will decide which courses will transfer individually. The student must contact the private or out-of-state institution to determine if a course will transfer and how it will be applied.

## ENGLISH LANGUAGE ARTS

Four credits. The credits must consist of:

- (A) English I, II, III and Advanced English course
- (B) English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency who are at the beginning of intermediate levels of English language proficiency.

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
English III	ENGL 1301 Composition I	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	
English III	ENGL 1302 Composition II	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	ENGL 1301
1 semester of English IV or Technical Writing	ENGL 2311 Technical & Business Writing (single- semester course)	TSI Assessment – Must have completed for diagnostics, but not passed	
English IV	ENGL 2322 British Literature I	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	ENGL 1301
English IV	ENGL 2323 British Literature II	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	ENGL 1301
English IV	ENGL 2327 American Literature I	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	ENGL 1301
English IV	ENGL 2328 American Literature II	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	ENGL 1301

English IV	ENGL 2332 World Literature I	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	ENGL 1301
English IV	ENGL 2333 World Literature II	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	ENGL 1301
English IV	POFT 1301 Business English	TSI Assessment – Must have completed for diagnostics, but not passed	

### MATHEMATICS

Three credits. The credits must consist of:

- (A) Algebra I, Geometry, and Advanced Math course
- (B) The third credit may be selected from the following after successful completion of Algebra I and Geometry: Algebra II, Pre-Calculus, Independent Study in Mathematics, Advanced Quantitative Reasoning (AQR), AP Statistics, AP Calculus AB, AP Calculus BC, AP Computer Science, IB Mathematical Studies Standard Level, IB Mathematics Standard Level, IB Mathematics Higher Level, IB Further Mathematics Standard Level, Engineering Mathematics (CTE), and Statistics and Risk Management (CTE).

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Independent Studies Math	MATH 1314 College Algebra	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	
Math for Business I	MATH 1324 Mathematics for Business & Social Sciences	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	
Math for Business II	MATH 1325 Calculus for Business & Social Sciences	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	MATH 1314 or 1324
Contemporary Math	MATH 1332 Contemporary Mathematics (Quantitative Reasoning)	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	

Statistics	MATH 1342 Elementary Statistical Methods	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	
Pre-Calculus	MATH 2312 Pre-Calculus Math	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	MATH 1314
Calculus	MATH 2413 Calculus I	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	MATH 2312
Calculus II	MATH 2414 Calculus II	TSIA1-Math 350 TSIA2950 or below 950 w/ diagnostic of 6	MATH 2413
Advanced Math (Financial Mathematics)	POFT 1321 Business Math	TSI Assessment – Must have completed for diagnostics, but not passed	
Advanced Math (Mathematics for Medical Professionals)	PHRA 1309 Pharmaceutical Mathematics I	TSI Assessment – Must have completed for diagnostics, but not passed	

### SCIENCES

Three credits. The credits must consist of:

- (A) Biology, IPC or an Advanced Science course, and Advanced Science course
- (B) The third credit may be selected from any of the following: Aquatic Science, Astronomy, Earth and Space Science, Environmental Systems, AP Biology, AP Chemistry, AP Physics B, AP Physics C, AP Environmental Science, IB Biology, IB Chemistry, IB Physics, IB Environmental Systems, Scientific Research and Design (CTE), Anatomy and Physiology (CTE), Engineering Design and Problem Solving (CTE), Medical Microbiology (CTE), Pathophysiology (CTE), Advanced Animal Science (CTE), Advanced Biotechnology (CTE), Advanced Plant and Soil Science (CTE) Food Science (CTE), and Forensic Science (CTE).

The following science combinations will satisfy the Life & Physical Science requirement:

BIOL 1406 and BIOL 1407; BIOL 1408 and BIOL 1409; BIOL 1411 and BIOL 1413; BIOL 1406 with any CHEM or PHYS; BIOL 1407 with any CHEM or PHYS; BIOL 1408 with any CHEM or PHYS; BIOL 1409 with any CHEM or PHYS; BIOL 1411 with any CHEM or PHYS; BIOL 1413 with any CHEM or PHYS

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Biology or Adv. Science or Scientific Research and Design	BIOL 1406 Biology for Science Majors I	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math-950 or below 950 w/ diagnostic of 6	MATH 1314
Biology or Adv. Science or Scientific Research and Design	BIOL 1407 Biology for Science Majors II	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math-950 or below 950 w/ diagnostic of 6	MATH 1314
Biology or Adv. Science or Scientific Research and Design	BIOL 1408 Biology for Non-Science Majors I	TSI Assessment – Must have completed for diagnostics, but not passed	
Biology or Adv. Science or Scientific Research and Design	BIOL 1409 Biology for Non-Science Majors II	TSI Assessment – Must have completed for diagnostics, but not passed	
Adv. Science	BIOL 1411 General Botany	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	MATH 1314

Adv. Science	BIOL 1413 General Zoology	TSI Asses TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	MATH 1314
Adv. Science (Anatomy & Physiology I)	BIOL 2401 Anatomy & Physiology I	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math950 or below 950 w/ diagnostic of 6	

Adv. Science (Anatomy & Physiology II)	BIOL 2402 Anatomy & Physiology II	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math950 or below 950 w/ diagnostic of 6	BIOL 2401
Adv. Science (Anatomy & Physiology I)	BIOL 2404 Anatomy & Physiology (single-semester course)	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math- 950 or below 950 w/ diagnostic of 6	
Adv. Science	BIOL 2420 Microbiology for NonScience Majors	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math- 950 or below 950 w/ diagnostic of 6	4 SCH of Biology
Adv. Science	BIOL 2421 Microbiology for Science Majors	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math- 950 or below 950 w/ diagnostic of 6	CHEM 1411
Adv. Science	CHEM 1405 Introductory Chemistry I	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math- 950 or below 950 w/ diagnostic of 6	
Adv. Science	CHEM 1406 Introductory Chemistry I (allied health emphasis)	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math950 or below 950 w/ diagnostic of 6	

Adv. Science	CHEM 1407 Introductory Chemistry II	TSIA1 – Read-351 <i>and</i> Math350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math950 or below 950 w/ diagnostic of 6	
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Chemistry	CHEM 1411 General Chemistry I	TSIA1 – Read-351 <i>and</i> Math-350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math-950 or below 950 w/ diagnostic of 6	MATH 1314
Chemistry	CHEM 1412 General Chemistry II	TSIA1 – Read-351 <i>and</i> Math-350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math-950 or below 950 w/ diagnostic of 6	CHEM 1411
Adv. Science	CHEM 2423 Organic Chemistry I	TSIA1 – Read-351 <i>and</i> Math-350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math950 or below 950 w/ diagnostic of 6	CHEM 1412
Adv. Science	CHEM 2425 Organic Chemistry II	TSIA1 – Read-351 <i>and</i> Math-350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math-950 or below 950 w/ diagnostic of 6	CHEM 2423

Physics	PHYS 1401 College Physics I	TSIA1 – Read-351 <i>and</i> Math-350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math-950 or below 950 w/ diagnostic of 6	
Physics	PHYS 1402 College Physics II	TSIA1 – Read-351 <i>and</i> Math-350 TSIA2- ELAR-945- Essay-5 Below 945 must have diagnostic of 5 or 6 and Essay of 5 TSIA2- Math-950 or below 950 w/ diagnostic of 6	PHYS 1401
Adv. Science	PHYS 1415 Physical Science I	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Physical Science	PHYS 1417 Physical Science II	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Adv. Science	PHYS 2425 University Physics I	TSIA1 – Math -350 TSIA2-950 or below 950 w/ a diagnostics of 6	MATH 2413
Adv. Science	PHYS 2426 University Physics II	TSIA1 – Math -350 TSIA2-950 or below 950 w/ a diagnostics of 6	PHYS 2425
Adv. Science (Pathophysiology)	PHRA 1441 Pharmacy Drug Therapy & Treatment	TSI Assessment-Must have completed for diagnostics, but not passed	
Advanced Animal Science	AGRI 1419/AGAH 1401 Introductory Animal Science	TSI Assessment-Must have completed for diagnostics, but not passed	

**SOCIAL STUDIES**

Three credits. The credits must consist of:

- (A) World History or World Geography or combined World History/World Geography (B) U.S. History
- (C) U.S. Government (one-half credit) (D) Economics (one-half credit)

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
United States History	HIST 1301 United States History I	TSI Assessment – Must have completed for diagnostics, but not passed	
United States History	HIST 1302 United States History II	TSI Assessment – Must have completed for diagnostics, but not passed	
Texas History	HIST 2301 Texas History	TSI Assessment – Must have completed for diagnostics, but not passed	
US Government (½ credit )	GOVT 2305 Federal Government	TSI Assessment – Must have completed for diagnostics, but not passed	
Adv. Social Studies	GOVT 2306 Texas Government	TSI Assessment – Must have completed for diagnostics, but not passed	
Economics	ECON 2301 Principles of Macroeconomics	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Economics	ECON 2302 Principles of Microeconomics	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	

**PHYSICAL EDUCATION & HEALTH**

One Credit

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Physical Education	KINE classes are NOT counted as dual credit		

**LANGUAGES OTHER THAN ENGLISH**

Two credits. The credits must consist of:

- (A) Level I and Level II in the same language.
- (B) Computer Science I, II and III (other substitutions)

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Spanish II	SPAN 1411 Beginning Spanish I	TSI Assessment – Must have completed for diagnostics, but not passed	
Spanish II	SPAN 1412 Beginning Spanish II	TSI Assessment – Must have completed for diagnostics, but not passed	SPAN 1411 (recommended)
Spanish III	SPAN 2311 Intermediate Spanish I	TSI Assessment – Must have completed for diagnostics, but not passed	SPAN 1412 (recommended)
Spanish III	SPAN 2312 Intermediate Spanish II	TSI Assessment – Must have completed for diagnostics, but not passed	SPAN 2311 (recommended)

**FINE ARTS**

One Credit.

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Art I	ARTS 1301 Art Appreciation	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	

Art I	ARTS 1303 Art History I (Prehistoric to 14 <sup>th</sup> century)	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Art I	ARTS 1304 Art History II (14 <sup>th</sup> century to the present)	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Theater Arts I	DRAM 1310 Introduction to Theater	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Elective	DRAM 2366 Introduction to Cinema	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Elective	MUSI 1306 Music Appreciation	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Elective	MUSI 1307 Music Literature	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
Music Theory I	MUSI 1310 American Music	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	

**ELECTIVES**

Five credits. The credits must consist of the following:

- (A) The list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills) (B) State-approved innovative courses
- (C) JROTC (one to four credits)
- (D) Driver Education (one-half credit)
- (E) Courses offered for dual credit that provide advanced academic instruction for required courses, advanced courses and courses for elective credit as well as requirements for endorsements.

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Elective	HUMA 1301 Introduction to Humanities	TSI Assessment – Must have completed for diagnostics, but not passed	
1 semester English IV, Public Speaking I, Communications Applications or Humanities	PHIL 2306 Introduction to Ethics	TSI Assessment – Must have completed for diagnostics, but not passed	
Principles of Education & Training, Public Speaking I, Communications Applications or Adv. Social Studies	PSYC/EDUC 1300 Learning Framework	TSI Assessment – Must have completed for diagnostics, but not passed	
Psychology	PSYC 2301 General Psychology	TSI Assessment – Must have completed for diagnostics, but not passed	
Elective	PSYC 2314 Lifespan Growth & Development	TSI Assessment – Must have completed for diagnostics, but not passed	
Adv. Social Studies	SOCI 1301 Introduction to Sociology	TSI Assessment – Must have completed for diagnostics, but not passed	
Elective	SOCI 1306 Social Problems	TSI Assessment – Must have completed for diagnostics, but not passed	
Public Speaking I or Communications Applications	SPCH 1315 Public Speaking	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	

Public Speaking I or Communications Applications	SPCH 1321 Business and Professional Communication	TSIA1 – Reading – 351 TSIA2- ELAR-945 w/ essay of 5	
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**ENDORSEMENTS**

Four credits. A coherent sequence of courses selected from one the following:

- (A) STEM
- (B) Business and Industry
- (C) Public Services
- (D) Arts and Humanities
- (E) Multidisciplinary Studies

**BUSINESS AND INDUSTRY**

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Accounting I	ACNT 1303 Introduction to Accounting I	TSI Assessment – Must have completed for diagnostics, but not passed	
Accounting I	ACNT 1304 Introduction to Accounting II	TSI Assessment – Must have completed for diagnostics, but not passed	
Accounting II	ACNT 1311 Introduction to Computerized Accounting	TSI Assessment – Must have completed for diagnostics, but not passed	
Accounting II	ACNT 1313 Computerized Accounting Applications	TSI Assessment – Must have completed for diagnostics, but not passed	
Business Management	BMGT 1327 Principles of Management	TSI Assessment – Must have completed for diagnostics, but not passed	
Entrepreneurship	BUSG 2309 Small Business Management/Entrepreneurship	TSI Assessment – Must have completed for diagnostics, but not passed	

Business Law	BUSI 2301 Business Law	TSI Assessment-Must have completed for diagnostics, but not passed	
Principle of Business, Marketing & Finance OR Marketing Dynamics	MRKG 1311 Principles of Marketing	TSI Assessment-Must have completed for diagnostics, but not passed	
Principle of Business, Marketing & Finance	BUSG 1301 Introduction To Business/BUSI 1301 Business Principles	TSI Assessment-Must have completed for diagnostics, but not passed	
Money Matters	BUSG 1304 Financial Literacy	TSI Assessment- Must have completed for diagnostics, but not passed	
Human Resource Management	HRPO 2301 Human Resources Management	TSI Assessment – Must have completed for diagnostics, but not passed	
Business Information Management II	POFI 2301 Word Processing	TSI Assessment – Must have completed for diagnostics, but not passed	
I semester of English III or Business English	POFT 1301 Business English	TSI Assessment – Must have completed for diagnostics, but not passed	

Touch Systems Data Entry	POFT 2312 Business Correspondence & Communication	TSI Assessment-Must have completed for diagnostics, but not passed	
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Financial Mathematics	POFT 1321 Business Math	TSI Assessment – Must have completed for diagnostics, but not passed	
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Career Prep	POFT 1220 Job Search Skills	TSI Assessment – Must have completed for diagnostics, but not passed	
Business Information Management I or Business Information Management II	BCIS 1305 Business Computer Applications/ITSC 1309 Integrated Software Applications I	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	
Computer Programming I	ITSC 1305 Introduction to PC Operating Systems	TSI Assessment – Must have completed for diagnostics, but not passed	
Networking Lab	ITSC 1316 Linux Installation and Configuration	TSI Assessment- Must have completed for diagnostics, but not passed	
Computer Programming II	ITSE 1346 Database Theory and Design	TSI Assessment – Must have completed for diagnostics, but not passed	
Computer Science I or II	ITSY 1300 Fundamentals of Information Security	TSI Assessment – Must have completed for diagnostics, but not passed	
Computer Science I or II	ITSY 1342 Information Technology Security	TSI Assessment – Must have completed for diagnostics, but not passed	
Digital Forensics	ITSY 2301 Firewalls and Network Security	TSI Assessment – Must have completed for diagnostics, but not passed	

Cybersecurity Capstone	ITSY 2330 Intrusion Detection	TSI Assessment – Must have completed for diagnostics, but not passed	
Practicum in Information Tech	ITSY 2342 Incident Response and Handling	TSI Assessment – Must have completed for diagnostics, but not passed	

Practicum in Information Tech	ITSY 2359 Security Assessment and Auditing	TSI Assessment – Must have completed for diagnostics, but not passed	
Web Technologies	ITSE 1311 Beginning Web Programming	TSI Assessment – Must have completed for diagnostics, but not passed	
Principles of Information Tech	ITNW 1308 Implementing and Supporting Client Operating System	TSI Assessment – Must have completed for diagnostics, but not passed	
Networking	ITNW 1358 Network +	TSI Assessment – Must have completed for diagnostics, but not passed	
Foundations of Cybersecurity	ITNW 2356 Designing a Network Directory Infrastructure	TSI Assessment – Must have completed for diagnostics, but not passed	

Digital Media	IMED 1301 Introduction to Digital Media	TSI Assessment – Must have completed for diagnostics, but not passed	BCIS 1305
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Web Technology	IMED 1316 Web Design I	TSI Assessment – Must have completed for diagnostics, but not passed	BCIS 1305
Computer Maintenance	ITSC 1325 Personal Computer Hardware	TSI Assessment – Must have completed for diagnostics, but not passed	
Networking	ITNW 1325 Fundamentals of Networking Technologies	TSI Assessment-Must have completed for diagnostics, but not passed	

Business Information Management II	ITSW 1304 Introduction to Spreadsheets	TSI Assessment-Must have completed for diagnostics, but not passed	ITSC 1301 or BCIS 1305
Programming Fundamentals	COSC 1336 Programming Fundamentals I	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	
Programming Fundamentals II	COSC 1337 Programming Fundamentals II	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	COSC 1336
AC/DC	ELPT 1311 Basic Electrical Theory	TSI Assessment – Must have completed for diagnostics, but not passed	
Engineering Science	ELMT 1305	TSI Assessment – Must have completed for diagnostics, but not passed	

Robotics 1	RBTC 2239 Robot Programming and Diagnostics	TSI Assessment – Must have completed for diagnostics, but not passed	
Solid State Electronics	ELPT 1341 Motor Control	TSI Assessment – Must have completed for diagnostics, but not passed	
Robotics II	RBTC 1243 Robotics	TSI Assessment – Must have completed for diagnostics, but not passed	
Robotics II	RBTC 1241 Vision Systems	TSI Assessment – Must have completed for diagnostics, but not passed	
Digital Electronics	ELMT 2339 Advanced Programmable Logic Controllers	TSI Assessment – Must have completed for diagnostics, but not passed	

Equine Science	AGEQ 1411 Equine Science I	TSI Assessment – Must have completed for diagnostics, but not passed	
Agricultural Power Units	AGRI 2301 Ag Power Units	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	
Advanced Animal Science	AGRI 1419/AGAH 1401 Introductory Animal Science	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	

Construction Technology I OR Agricultural Facilities & Design	AGRI 2303 Agricultural Construction	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	
Livestock Production	AGAH 1353 Beef Cattle Production	TSI Assessment-Must have completed for diagnostics, but not passed	
Livestock Production	AGAH 2313 Principles of Feeds and Feeding	TSI Assessment-Must have completed for diagnostics, but not passed	
Veterinary Medical Applications	AGAH 1447 Animal Reproduction	TSI Assessment-Must have completed for diagnostics, but not passed	
Veterinary Medical Applications	AGRI 2321 Live Animal Evaluation	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	
Wildlife, Fisheries & Ecology Management	AGRI 2330 Wildlife Conservation & Management	TSIA1 - Reading-351 <i>and</i> Essay-4 and MC-340 TSIA2- ELAR-945 with a essay of 5; below 945 must have diag. of 5 or 6 w/ essay of 5.	
Practicum in Agriculture, Food & Natural Resources	AGMG 2280 Co-Op Ag Business & Management	TSI Assessment-Must have completed for diagnostics, but not passed	

Principles of Welding OR Introduction to Welding	WLDG 1323 Welding Safety, Tools and Equipment	TSI Assessment – Must have completed for diagnostics, but not passed	
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Introduction to Welding OR Welding I	WLDG 1407 Introduction to Welding Using Multiple Processes	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323
Practicum in Manufacturing or Welding II	WLDG 2443 Adv. Shielded Metal Arc Welding	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323 WLDG 1457
Agricultural Structures Design & Fabrication OR Metal Fabrication and Machining I	WLDG 1317 Introduction to Layout and Fabrication	TSI Assessment-Must have completed for diagnostics, but not passed	
Welding I	WLDG 1202 Fundamentals of Gas Metal Arc Welding	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323
Welding I	WLDG 1430 Introduction to Gas Metal Arc Welding	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323
Welding II	WLDG 1206 Fundamentals of Gas Tungsten Arc Welding	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323
Metal Fabrication & Machining II	WLDG 1353 Intermediate Layout & Fabrication	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323
Welding II	WLDG 1457 Intermediate Shielded Metal Arc Welding	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323
Welding II	WLDG 1428 Introduction to Shielded Metal Arc Welding	TSI Assessment-Must have completed for diagnostics, but not passed	WLDG 1323

Electrical Technology I	HART 1301 Basic Electricity for HVAC	TSI Assessment-Must have completed for diagnostics, but not passed	
Heating, Ventilation, Air Ref Tech I	HART 1303 Air Conditioning Control Principle	TSI Assessment-Must have completed for diagnostics, but not passed	

Electrical Technology II	HART 1307 Refrigeration Principles	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303
Heating, Ventilation, Air Ref Tech II	HART 1341 Residential Air Conditioning	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303
Plumbing Tech I	HART 1345 Gas & Electric Heating	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303
Problems and Solutions	HART 2336 Air Conditioning Troubleshooting	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303
Building Maintenance Tech I	HART 2338 Air Conditioning Installation & Startup	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303
Building Maintenance Tech II	HART 2345 Residential Air Conditioning Systems Design	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303
Practicum in Construction Management	HART 1394 Special Topics HVAC/Test Prep	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303

Plumbing Tech II	HART 2349 Heat Pumps	TSI Assessment-Must have completed for diagnostics, but not passed	HART 1301 HART 1303
Auto Technology I	AUMT 1201 Introduction & Theory of Automotive Technology	TSI Assessment-Must have completed for diagnostics, but not passed	
Auto Technology I	AUMT 1213 Automotive Suspension & Steering Systems Theory	TSI Assessment-Must have completed for diagnostics, but not passed	AUMT 1201 AUMT 1305
Auto Technology I	AUMT 1241 Automotive Climate Control Systems Theory	TSI Assessment-Must have completed for diagnostics, but not passed	AUMT 1201 AUMT 1305
Auto Technology I	AUMT 1257 Automotive Brake Systems Theory	TSI Assessment-Must have completed for diagnostics, but not passed	AUMT 1201 AUMT 1305
Auto Technology II	AUMT 1305 Introduction to Automotive Technology	TSI Assessment-Must have completed for diagnostics, but not passed	AUMT 1201

Auto Technology II	AUMT 1316 Automotive Suspension & Steering Systems	TSI Assessment-Must have completed for diagnostics, but not passed	AUMT 1201 AUMT 1305
Auto Technology II	AUMT 1345 Automotive Climate Control Systems	TSI Assessment-Must have completed for diagnostics, but not passed	AUMT 1201 AUMT 1305

Auto Technology II	AUMT 1310 Automotive Brake Systems	TSI Assessment-Must have completed for diagnostics, but not passed	AUMT 1201 AUMT 1305
Architectural Design	DFTG 1310 Specialized Basic Computer-Aided Drafting	TSI Assessment-Must have completed for diagnostics, but not passed	
Architectural Design	DFTG 1333 Mechanical Drafting	TSI Assessment – Must have completed for diagnostics, but not passed	DFTG 1357
Architectural Design II OR Computer Aided Design/Computer Aided Mfg.	INMT 1343 Computer Aided Design/Computer Aided Manufacturing (CAD/CAM)	TSI Assessment – Must have completed for diagnostics, but not passed	DFTG 1457 MCHN 2344
Engineering Design and Presentation I	DFTG 1357 Specialized Intermediate Computer-Aided Drafting	TSI Assessment – Must have completed for diagnostics, but not passed	
Principles of Manufacturing	MCHN 1320 Precision Tools & Measurement	TSI Assessment – Must have completed for diagnostics, but not passed	
Precision Metal Manufacturing I	MCHN 1338 Basic Machine Shop I	TSI Assessment – Must have completed for diagnostics, but not passed	MCHN 1320
Precision Metal Manufacturing II	MCHN 2341 Advanced Machining	TSI Assessment-Must have completed for diagnostics, but not passed	MCHN 1338

Manufacturing Engineering Technology I	MCHN 2344 Computerized Numerical Control Programming	TSI Assessment – Must have completed for diagnostics, but not passed	
Manufacturing Engineering Technology II	MCHN 2335 Advanced CNC Machining	TSI Assessment-Must have completed for diagnostics, but not passed	MCHN 2344 INMT 1343

**PUBLIC SERVICE**

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Principles of Law, Public Safety, Corrections, and Security	CRIJ 1301/CJSA 1322 Introduction to Criminal Justice	TSI Assessment – Must have completed for diagnostics, but not passed	
Court Systems and Practices	CRIJ 1306 Court Systems & Practices	TSI Assessment – Must have completed for diagnostics, but not passed	
Principles of Law, Public Safety, Corrections, and Security	CRIJ 1307/CJSA 1312 Crime in America	TSI Assessment – Must have completed for diagnostics, but not passed	
Court Systems and Practices	CRIJ 1310/CJSA 1327 Fundamentals of Criminal Law	TSI Assessment – Must have completed for diagnostics, but not passed	
Correctional Service	CRIJ 2313/CJCR 1307 Correctional Systems & Practices	TSI Assessment-Must have completed for diagnostics, but not passed	

Public Service Elective	CJSA 1348 Ethics in Criminal Justice	TSI Assessment-Must have completed for diagnostics, but not passed	
Forensic Science or Criminal Investigation	CRIJ 2314/CJSA 1342 Criminal Investigation	TSI Assessment-Must have completed for diagnostics, but not passed	
Instructional Practices	CDEC 1358 Creative Arts for Early Childhood	TSI Assessment-Must have completed for diagnostics, but not passed	
Child Guidance	CDEC 1419 Child Guidance	TSI Assessment-Must have completed for diagnostics, but not passed	
Practicum in Education and Training	CDEC 1456 Emergent Literacy for Early Childhood	TSI Assessment-Must have completed for diagnostics, but not passed	
CDA Foundations	CDEC 1459 Children with Special Needs	TSI Assessment-Must have completed for diagnostics, but not passed	
Practicum in Education and Training	CDEC 2307 Math and Science for Early Childhood	TSI Assessment-Must have completed for diagnostics, but not passed	
Practicum in Early Learning or Project Based Research	CDEC 2368 Practicum, Child Care Provider/Assistant	TSI Assessment-Must have completed for diagnostics, but not passed	

Principles of Education & Training	CDEC 2441 The School Age Child	TSI Assessment-Must have completed for diagnostics, but not passed	
Family & Community Services or Principles of Human Services	TECA 1303 Family, School and Community	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	
Principles of Education and Training	TECA 1311 Educating Young Children	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	

Lifetime Nutrition & Wellness	TECA 1318 Wellness of the Young Child	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	
Child Development & Lab	TECA 1354 Child Growth & Development	TSIA1- Reading-351 <i>and</i> Writing-Essay-4 AND MC-340 TSIA2- ELAR min 945- Essay-5	
Practicum in Health Science	ECRD 1211 Electrocardiography	TSI Assessment – Must have completed for diagnostics, but not passed	
Medical Terminology	MDCA 1313 Medical Terminology	TSI Assessment – Must have completed for diagnostics, but not passed	
Pharmacology	HITT 1249 Pharmacology	TSI Assessment-Must have completed for diagnostics, but not passed	
Anatomy & Physiology	NURA 1307 Body Systems	TSI Assessment – Must have completed for diagnostics, but not passed	
Anatomy & Physiology	MDCA 1409 Anatomy & Physiology for Medical Assistant	TSI Assessment – Must have completed for diagnostics, but not passed	
Principles of Health Science or Health Science Theory	HPRS 1105 Essentials of Medical Law/Ethics for Health Professionals	TSI Assessment – Must have completed for diagnostics, but not passed	
Health Science Clinical	MDCA 1317 Procedures in a Clinical Setting	TSI Assessment – Must have completed for diagnostics, but not passed	
Health Science Clinical	MDCA 1321 Administrative Procedures	TSI Assessment – Must have completed for diagnostics, but not passed	

Practicum in Health Science	MDCA 1452 Medical Assistant Laboratory Procedures	TSI Assessment – Must have completed for diagnostics, but not passed	
Practicum in Health Science	MDCA 1348 Pharmacology & Administration of Medications	TSI Assessment – Must have completed for diagnostics, but not passed	
Practicum in Health Science	MDCA 1254 Medical Assisting Credential Exam Review (Capstone Course)	TSI Assessment – Must have completed for diagnostics, but not passed	
Health Science Clinical	MDCA 1160 Clinical Medical/Clinical Asst.	TSI Assessment – Must have completed for diagnostics, but not passed	
Certified Nurse Assistant	NURA 1401 Nurse Aide for Health Care	TSI Assessment-Must have completed for diagnostics, but not passed	
Certified Nurse Assistant	NURA 1160 Nursing Assistant/Aide and Patient Care Assistant/Aide Clinical	TSI Assessment-Must have completed for diagnostics, but not passed	NURA 1401
Introduction to Pharmacy (13020400)	PHRA 1201 Introduction to Pharmacy	TSI Assessment-Must have completed for diagnostics, but not passed	
Pharmacy Law (13020400)	PHRA 1202 Pharmacy Law	TSI Assessment-Must have completed for diagnostics, but not passed	
Drug Classification (13020950)	PHRA 1205 Drug Classification	TSI Assessment-Must have completed for diagnostics, but not passed	
Pharmacy Tech Certification Review (13020410)	PHRA 1243 Pharmacy Tech Certification Review	TSI Assessment-Must have completed for diagnostics, but not passed	

Pharmaceutical Mathematics (13020970)	PHRA 1309 Pharmaceutical Mathematics I	TSI Assessment-Must have completed for diagnostics, but not passed	
Community Pharmacy Practice (13020410)	PHRA 1313 Community Pharmacy Practice	TSI Assessment-Must have completed for diagnostics, but not passed	
Compounding Sterile Preparations (13020500)	PHRA 1345 Compounding Sterile Preparations	TSI Assessment-Must have completed for diagnostics, but not passed	

Institutional Pharmacy Practice (13020500)	PHRA 1349 Institutional Pharmacy Practice	TSI Assessment-Must have completed for diagnostics, but not passed	
Clinical Pharm Tech/Assist (13020510)	PHRA 1360 Clinical Pharm Tech/Assist	TSI Assessment-Must have completed for diagnostics, but not passed	
Pharmacy Drug Therapy & Treatment (13020410)	PHRA 1441 Pharmacy Drug Therapy & Treatment	TSI Assessment-Must have completed for diagnostics, but not passed	
Emergency Medical Technician-Basic	EMSP 1160 EMT Basic Clinical	TSI Assessment-Must have completed for diagnostics, but not passed	
Emergency Medical Technician-Basic	EMSP 1501 Emergency Medical Technician	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology I	CSME 1310 Introduction to Haircutting & Related Theory	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Facial Specialist	CSME 1348 Principles of Skin Care	TSI Assessment-Must have completed for diagnostics, but not passed	

Introduction to Cosmetology	CSME 1401 Orientation to Cosmetology	TSI Assessment-Must have completed for diagnostics, but not passed	
Introduction to Cosmetology	CSME 1405 Fundamentals of Cosmetology	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Facial Specialist	CSME 1421 Principles of Facial/Skin Care Tech I	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Manicurist Specialty	CSME 1430 Orientation to Nail Technology	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Manicurist Specialty	CSME 1431 Principles of Nail Technology I	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Manicurist Specialty	CSME 1441 Principles of Nail Technology II	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Manicurist Specialty	CSME 1443 Manicuring and Related Theory	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Facial Specialist	CSME 1445 Principles of Facial/Skin Care Tech II	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology II	CSME 1447 Principles of Skincare/Facials & Related Theory	TSI Assessment-Must have completed for diagnostics, but not passed	
Principles of Cosmetology Design & Color Theory	CSME 1453 Chemical Reformation & Related Theory	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Facial Specialist	CSME 1547 Principles of Skin Care/Facials & Theory	TSI Assessment-Must have completed for diagnostics, but not passed	

Principles of Cosmetology Design & Color Theory	CSME 2401 Principles of Hair Coloring & Related Theory	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology Facial Specialist	CSME 2431 Principles of Facials/Skin Care Tech III	TSI Assessment-Must have completed for diagnostics, but not passed	
Cosmetology II	CSME 2541 License Prep	TSI Assessment-Must have completed for diagnostics, but not passed	

### **ARTS AND HUMANITIES**

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Refer to Core Above			

### **MULTIDISCIPLINARY STUDIES**

High School Courses	TVCC Courses	TSI Requirements	Prerequisite
Commercial Photography I & LAB	PHTC 1411 Fundamentals of Photography	TSI Assessment-Must have completed for diagnostics, but not passed	
Commercial Photography I & LAB	PHTC 1313 History of Photography	TSI Assessment-Must have completed for diagnostics, but not passed	
Commercial Photography I & LAB	PHTC 1340 Photographic Retouching I	TSI Assessment-Must have completed for diagnostics, but not passed	
Commercial Photography I & LAB	PHTC 1341 Color Photography	TSI Assessment-Must have completed for diagnostics, but not passed	
Commercial Photography II & LAB	PHTC 1344 Close Up/Macro Photography	TSI Assessment-Must have completed for diagnostics, but not passed	

Commercial Photography II & LAB	PHTC 1345 Illustrative Photography I	TSI Assessment-Must have completed for diagnostics, but not passed	
Commercial Photography II & LAB	PHTC 2301 Intermediate Photography	TSI Assessment-Must have completed for diagnostics, but not passed	