



Trinity Valley Community College
 Student Learning Outcomes
 Learning Enhancement Annual Plans (LEAPs)

Academic Program Name:

Computer Information Systems
 Microcomputer Applications
 TDCJ Units

Person Responsible:

Rick Johnson, Larry Burkett, &
 Rick Gleason

**All items must have significant input of faculty.*

July 15th, 2005 (Deans & Division Chairs should complete items 1-6 for the 2005-2006 year)

1. Desired Outcome

The students will demonstrate an understanding of microcomputer information systems including: computer hardware, software, basic computer procedures, and computer systems, and the integration and application of these systems in business and other segments in society.

2. Implementation Strategy (Describes the tactic[s] to be used to influence this outcome.)

Example: Community service experiences will be used to have students to gain a better understanding of poverty.

The Students will:

- attend Lectures
- read the textbooks or handouts
- watch hands-on or Multimedia demonstrations
- Complete in-class and out-of-class assignments from the textbooks and or handouts.

3. Assessment Method (The method or methods you will use to determine if students achieve the desired outcome?)

Student assessment will include the following:

At the end of each cycle, each student will be given an instructor created exam to evaluate the mastery level of their computer skills.

4. Assessment Criteria (This answers the question "how do you know" that students [in aggregate] are able to achieve the desired outcome.)

Example: 75% of students will be able to perform at a certain level on an assessment activity.

75% of the students will perform at an average of 70% or above on the exam.

5. Narrative description of the relationship of the outcome to TVCC's General Education Outcomes. (if applicable).

The Microcomputer applications courses allow our students to develop a basic understanding of computer hardware and software. These courses help the student understand the integration of computers in various segments of our society while developing computer literacy skills. Computer Literacy skills are part of TVCC's General Education Outcomes.

6. Select the TVCC General Education Outcome that this objective relates to.

(Indicate by Marking the appropriate box with an "X")

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Oral Communication | <input type="checkbox"/> Written Communication | <input type="checkbox"/> Reading Comprehension |
| <input type="checkbox"/> Computer Literacy | <input type="checkbox"/> Critical Thinking | <input type="checkbox"/> Mathematics |

August 2005 thru June 2006 (Faculty, Division Chairs & Deans should engage in Item 7)



Trinity Valley Community College
 Student Learning Outcomes
 Learning Enhancement Annual Plans (LEAPs)

Academic Program Name:

Computer Information Systems
 Programming Structures
 TDCJ Units

Person Responsible:

Rick Johnson, Larry Burkett, &
 Rick Gleason

**All items must have significant input of faculty.*

July 15th, 2005: (Deans & Division Chairs should complete items 1-6 for the 2005-2006 year)

1. **Desired Outcome**

The Students will demonstrate the ability to Create, Save, Modify, Compile, Execute, and Print, a structured computer program. They will use the three basic computer structures: Sequence, Decision, and Repetition structures as well as other programming techniques in these programs. The completed programs require keyboard input, basic math processing, and output to the monitor, printer, or data file.

2. **Implementation Strategy** (Describes the tactic[s] to be used to influence this outcome.)

Example: Community service experiences will be used to have students to gain a better understanding of poverty.

The Students will:

- attend Lectures
- read the textbooks or handouts
- watch hands-on or Multimedia demonstrations
- Complete in-class and out-of-class assignments from the textbooks and or handouts.

3. **Assessment Method** (The method or methods you will use to determine if students achieve the desired outcome?)

Student assessment will include the following:

At the end of each cycle, each student will be given an instructor created exam or program to evaluate the mastery level of the programming structures and techniques for each student.

4. **Assessment Criteria** (This answers the question "how do you know" that students [in aggregate] are able to achieve the desired outcome.)

Example: 75% of students will be able to perform at a certain level on an assessment activity.

75% of the students will perform at an average of 70% or above on the exam or program.

5. **Narrative description of the relationship of the outcome to TVCC's General Education Outcomes.** (if applicable).

Programming courses allow our students to develop an understanding of structured Programming languages while improving their computer literacy skills. Programming work will allow them to develop their Critical thinking skills by building a structurally organized programs and programming components. The basic skills: Computer Literacy and Critical Thinking are part of TVCC's General Education Outcomes.

6. **Select the TVCC General Education Outcome that this objective relates to.**

(Indicate by Marking the appropriate box with an "X")

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Oral Communication | <input checked="" type="checkbox"/> Written Communication | <input type="checkbox"/> Reading Comprehension |
| <input checked="" type="checkbox"/> Computer Literacy | <input checked="" type="checkbox"/> Critical Thinking | <input type="checkbox"/> Mathematics |

August 2005 thru June 2006: (Faculty, Division Chairs & Deans should engage in Item 7)



Trinity Valley Community College
 Student Learning Outcomes
 Learning Enhancement Annual Plans (LEAPs)

Academic Program Name:

Computer Information Systems
 Software Applications
 TDCJ Units

Person Responsible:

Rick Johnson, Larry Burkett, &
 Rick Gleason

*All items must have significant input of faculty.

July 15th, 2005 (Deans & Division Chairs should complete items 1-6 for the 2005-2006 year)

1. Desired Outcome

The Students will demonstrate the ability to use the document processing cycle which includes: Creating, Saving, Modifying, and Printing business related documents. These documents may include text documents, spreadsheets, database files, slide-show presentation software, desktop publishing, and html files.

2. Implementation Strategy (Describes the tactic[s] to be used to influence this outcome.)

Example: Community service experiences will be used to have students to gain a better understanding of poverty.

The Students will:

- attend Lectures
- read the textbooks or handouts
- watch hands-on or Multimedia demonstrations
- Complete in-class and out-of-class assignments from the textbooks and or handouts.

3. Assessment Method (The method or methods you will use to determine if students achieve the desired outcome?)

Student assessment will include the following:

At the end of each cycle, each student will be given an instructor created exam to evaluate the mastery level of their ability to understand the document processing cycle.

4. Assessment Criteria (This answers the question "how do you know" that students [in aggregate] are able to achieve the desired outcome.)

Example: 75% of students will be able to perform at a certain level on an assessment activity.

75% of the students will perform at an aggregated average of 70% from the exam.

5. Narrative description of the relationship of the outcome to TVCC's General Education Outcomes. (if applicable).

The Software Application courses allow our students to develop a basic understanding of computer document processing cycle, improve their critical thinking skills, sharpen their writing skills, and improve their reading comprehension. These courses provide the students with the opportunity to learn to create written documents, (i.e. cover letters and resumes), spreadsheets using basic math formulas and pre-defined functions, develop relational databases which will help improve their critical thinking skills, the understanding of how to present their ideas using graphical presentation software, and the ability to create html files. All of these skills are part of TVCC's General Education Outcomes.

6. Select the TVCC General Education Outcome that this objective relates to.

(Indicate by Marking the appropriate box with an "X")

| | | | | | |
|-------------------------------------|--------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|
| <input type="checkbox"/> | Oral Communication | <input checked="" type="checkbox"/> | Written Communication | <input checked="" type="checkbox"/> | Reading Comprehension |
| <input checked="" type="checkbox"/> | Computer Literacy | <input checked="" type="checkbox"/> | Critical Thinking | <input checked="" type="checkbox"/> | Mathematics |