

COMPUTER INFORMATION SYSTEMS
Uvalde, Eagle Pass, and Del Rio Campuses
Limited Course Offerings at Off-Campus Sites

Purpose

The Computer Information Systems (CIS) program provides training for students interested in networks of hardware/software that people and organizations use to collect, filter, process, create, & distribute data. The curriculum is designed to prepare students for positions related to computer and network system configuration and management. Students get hands-on experience with computer hardware and software ranging from individual personal computers to networking technologies. The program focuses on preparation for Microsoft and Cisco certifications giving the successful graduate a competitive edge in gaining high-income employment in the computer industry. Computer Information Systems is a Tech Prep Program.

Admission Requirements

Students are admitted to the CIS program through regular college admission procedures (*see Admission Regulations section*). Students will receive an A.A.S. degree upon satisfactory completion of the courses of study and upon making formal application for graduation (*see Curricula section*).

**COMPUTER INFORMATION SYSTEMS
ASSOCIATE OF APPLIED SCIENCE DEGREE**

	<u>Credit</u>
General Education Courses	
Social & Behavioral Sciences	3
Humanities & Fine Arts	3
Natural Science & Math	3
Other	6
Total General Education Courses	15
Technical Education Courses	44
Elective.....	3
 Total Credit Hours for A.A.S.....	 62

Program of Study

FIRST YEAR

	<u>Fall Semester</u>	<u>Credit</u>	<u>Spring Semester</u>	<u>Credit</u>
ORIE 0100π	New Student Orientation		ITSC 1325	Personal Computer Hardware3
or			ITCC 1300	Router and Routing Basics.....3
COLS 0300	College Success Skills		ITNW 1454	Implementing and Supporting Servers.....4
POFT 1329 ¹	Beginning Keyboarding		ELECTIVE	Select from General Education Core ⁵3
ITSC 1301 ²	Introduction to Computers		ENGL 1302	Composition II.....3
ITSC 1305	Introduction to PC Operating Systems.....3		Total	16
ITNW 1325	Fundamentals of Networking Technologies3			
ITSE 1302	Computer Programming3			
MATH 1314	College Algebra.....3			
ENGL 1301	Composition I.....3			
Total	15			

SECOND YEAR

	<u>Fall Semester</u>	<u>Credit</u>	<u>Spring Semester</u>	<u>Credit</u>
ELECTIVE ³	Technical Elective3		ELECTIVE ³	Technical Elective3
ITSY 1342	Information Technology Security3		ITSY 2300	Operating System Security.....3
ITNW 1453	Supporting Network Server Infrastructure.....4		ITSY 2441	Security Management Practices4
ITSW 1307	Introduction to Database3		ITSC 2280 ⁴	Cooperative Education – Computer and Information Sciences – General2
ELECTIVE	Social and Behavioral Sciences.....3		ELECTIVE	Humanities and Fine Arts.....3
Total	16		Total	15
			Total Credit Hours for A.A.S.....	62

- Notes: 1 Required if keyboarding competencies not verified; however, POFT 1329 does not count toward degree requirements.
 2 Required if basic computer competencies not verified; however, ITSC 1301 does not count toward degree requirements.
 3 Select from courses for Computer Information Systems Technical Electives as listed below.
 4 Capstone course that consolidates the student's learning experience.
 5 See "Core Curriculum Requirements" in the "Curricula" section of this catalog.
 π All students are required to take ORIE 0100 or COLS 0300; however, ORIE 0100/COLS 0300 do not count toward degree requirements.

Courses for Computer Information Systems Technical Electives

Computer Information Systems technical electives may be chosen from the following courses:

- IMED 1316 Web Design I
- IMED 2309 Internet Commerce
- ACCT 2401 Principles of Accounting I – Financial
- ITSC 2339 Personal Computer Help Desk Support
- ITSY 2417 Wireless Security Development
- ITNW 1391 Special Topic: Implementing and Supporting Virtualization

