**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 networking, hardware or software aspects of computer network systems. The curriculum paves the way to attain certifications such as A+ (related to computer maintenance and software administration), CCNA (entry-level network engineers), or Microsoft Active directory 70-64x. Students are encouraged to find ways to actively engage in activities that promote ongoing learning on their own. The IT field is very dynamic, and the only constant is change.

## 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**

|  | Credit |
|---|---|
| General Education Courses | |
| Social & Behavioral Sciences | 3 |
| Humanities & Fine Arts | 3 |
| Natural Science & Math | 3 |
| Other | 9 |
| Total General Education Courses | 15 |
| Technical Education Courses | 42 |
| Elective | 3 |
| Total Credit Hours for A.A.S. | 60 |

## Program of Study

### FIRST YEAR

| Fall Semester | | Credit |
|---|---|---|
| ORIE 0100≺ or | New Student Orientation | |
| COLS 0300 | College Success Skills | |
| POFT 1329[1] | Beginning Keyboarding | |
| ITSC 1301[2] | Introduction to Computers | |
| ITSC 1305 | Introduction to PC Operating Systems | 3 |
| ITNW 1325 | Fundamentals of Networking Technologies | 3 |
| ITSC 1325 | Personal Computer Hardware | 3 |
| MATH 1314 | College Algebra | 3 |
| ENGL 1301 | Composition I | 3 |
| | Total | 15 |

| Spring Semester | | Credit |
|---|---|---|
| ITSE 1302 | Computer Programming | 3 |
| ITNW 2312 | Routers | 3 |
| ITNW 1454 | Implementing and Supporting Servers | 4 |
| ELECTIVE | Select from General Education Core[5] | 3 |
| ENGL 1302 | Composition II | 3 |
| | Total | 16 |

## SECOND YEAR

| Fall Semester | Credit |
|---|---|
| ELECTIVE[3] Technical Elective | 3 |
| ITSY 1342 Information Technology Security | 3 |
| ITNW 1353 Supporting Network Server Infrastructure | 3 |
| ITSW 1307 Introduction to Database | 3 |
| ELECTIVE Social and Behavioral Sciences | 3 |
| **Total** | **15** |

| Spring Semester | Credit |
|---|---|
| ELECTIVE[3] Technical Elective | 3 |
| ITSY 2300 Operating System Security | 3 |
| ITNW 1313 Computer Virtualization | 3 |
| ITSC 2280[4] Cooperative Education – Computer and Information Sciences – General | 2 |
| ELECTIVE Humanities and Fine Arts | 3 |
| **Total** | **14** |
| **Total Credit Hours for A.A.S.** | **60** |

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.
≺  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
ITSY 2317    Wireless Security Development

## Computer Information Systems Advanced Placement Policy

In order to receive advanced placement credit for A+ certification the applicant must:

1. Provide current unexpired documentation of having passed two certification exams:
   a.  CompTIA A+ Practical Application
   b.  CompTIA A+ Essentials

Students who achieve CompTIA A+ certification in both areas will receive advanced placement credit (grade of "P") for the following course:

ITSC 1325    Personal Computer Hardware ...... 3 hrs