

Certificate of Proficiency – Level One

TEXAS SOUTHMOST COLLEGE
Science, Technology, Engineering & Mathematics Division

Graduates from the Certificate Level One in Computer Information Technology assist in Information Technology (IT) activities in productive sectors such as industry, businesses, education, services, and government. Areas of application include computer maintenance, computer networking databases, and digital media production. Employment opportunities include IT support services specialist, computer technician, and digital media services specialist. Graduates of this program complete coursework that may be transferred to the Associate of Computer Information Systems.

FIRST SEMESTER[COSC 1301](#) Introduction to Computing[IMED 1416](#) Web Design IAny 4-hour CIS Elective¹Any 4-hour CIS Elective¹**SECOND SEMESTER**[ITNW 2405](#) Network Administration[ITSE 2409](#) Introduction to Database ProgrammingAny 4-hour CIS Elective¹Any 4-hour CIS Elective¹**TOTAL CREDIT HOURS FOR GRADUATION - 31**

*****Upon completion of the required courses for the Certificate of Proficiency Level One - Computer Information Technology and during the final semester of course work students will be required to take their final comprehensive evaluation in an Exit Exam.**

¹ Recommended to choose courses from one of the following tracks:

COMPUTER INFORMATION TECHNOLOGY[ITSC 1425](#) Personal Computer Hardware[ITSE 1431](#) Introduction to Visual Basic Programming[ITSE 2449](#) Advanced Visual Basic Programming[ITSC 1407](#) Unix Operating System I[ITSW 2365](#) Practicum-Data Processing Technology/Technician**COMPUTER GRAPHICS AND DIGITAL VIDEO PRODUCTION**[ARTV 1441](#) 3-D Animation I[ARTV 2451](#) 3-D Animation II[ARTV 1451](#) Digital Video[ARTV 2441](#) Advanced Digital Video[POFI 2431](#) Desktop Publishing for Office**COMPUTER NETWORK MANAGEMENT AND SECURITY**[ITNW 2413](#) Networking Hardware[ITNW 2412](#) Routers and Switches[CPMT 2434](#) Network Security[ITNW 2453](#) Advanced Routing and Switching[ITNW 2454](#) Internet / Intranet Server**COMPUTER WEB DEVELOPMENT**[ITNW 2459](#) Web Server Support and Maintenance[ITSE 1411](#) Beginning Web Page Programming[INEW 2434](#) Advanced Web Page Programming[IMED 2415](#) Web Design II[IMED 2409](#) Internet Commerce

Please review the requirements listed on this page. This degree is active for six (6) years from the catalog year above. All students must comply with Texas Success Initiative (TSI) requirements.