

Information Technology (Technical Diploma)

The Information Technology (IT) Technical Diploma program is divided into a basic core area and a specialty networking area. The basic core courses of study will prepare individuals to troubleshoot, repair, and maintain computer systems and basic local area network problems. Students will also learn to operate a computer using current operating system software and use current application software for manipulating spreadsheets, databases, and word processing documents. This program is not intended for degree transfer; however, certain certification courses may be accepted by other institutions that participate in the Microsoft IT Academy and the Cisco Academy.

The specialty networking area will prepare students to design, implement, and manage linked systems of computers, peripherals, and associated software to maximize efficiency and productivity. The program includes instruction in operating systems and applications; networking theory and solutions; types of networks; network management and control; network and flow optimization; configuring; and troubleshooting.

The curriculum provides both knowledge acquisition and skills development for those who are currently working in the information technology field and would like to obtain industry-based certifications or for those who would like to prepare for employment in the IT field. The program is designed to prepare students to successfully pass national, industry-based exams such as CompTIA's A+, Network+, Server+, Microsoft MCSE, and Microsoft MCSA.

To receive a certificate or technical diploma in Information Technology, the student must:

- Have a cumulative GPA of 2.00 in all credits to be used towards the award;
- Earn a "C" or better in all courses;
- Complete the coursework listed below.

Program Outcomes. Upon successful completion of the program, the graduate will be able to:

1. Resolve common networking issues.
2. Configure servers in a business environment.
3. Practice communication, problem-solving, and decision-making skills by using appropriate technology.
4. Acquire proper industry-recognized credentials which will prepare students for high-demand and high-skill job employment.

Program of Study

First Semester		Credit Hours
INTE 1013	Internet and Computing Literacy	3
INTE 1103	Install and Troubleshoot Part I	3
INTE 1203	Operating System Fundamentals	3
INTE 1803	Unix and Linux System Administer	3
Semester Total		12

Second Semester		Credit Hours
INTE 1253	Project Management	3
INTE 1113	Install and Troubleshoot Part II	3
INTE 2013	Windows Server Part I	3
INTE 2113	Cisco Part I	3
Semester Total		12
Third Semester		Credit Hours
INTE 2023	Windows Server Part II	3
INTE 2123	Cisco Part II	3
INTE 2823	Server Technology	3
INTE 2033	Windows Server Part III	3
Semester Total		12
Fourth Semester		Credit Hours
INTE 2133	Cisco Part III	3
INTE 2143	Cisco Part IV	3
INTE 2903	Internship	3
Semester Total		9
Total Program Credit Hours:		45

Additional Information Technology Technical Programs of Study

The following Information Technology programs of study, and the associated credentials earned, provide essential information in the specified technical area and can be used to prepare for national certification(s) relevant to that area. Information Technology credentials can be obtained by students enrolled in the Information Technology diploma program as well as by *non-major students*: those enrolled in other degree programs or simply seeking the credential alone. Non-major students must fulfill any prerequisite requirements for the courses listed.

All students must take all courses and any prerequisite courses needed to obtain the desired credential.

PROGRAMS OF STUDY

CTS – Network Administrator		Credit Hours
INTE 1103	Install & Troubleshoot: Part I	3
INTE 1113	Install & Troubleshoot: Part II	3
INTE 1203	Operating System Fundamentals	3
INTE 2013	Windows Server Part I	3
INTE 2113	Cisco Part I	3
INTE 2123	Cisco Part II	3
INTE 1253	Project Management	3
Total		21

CTS – Systems Analyst		Credit Hours
INTE 1103	Install & Troubleshoot: Part I	3
INTE 1113	Install & Troubleshoot: Part II	3
INTE 1203	Operating System Fundamentals	3
INTE 2013	Windows Server Part I	3
INTE 2023	Windows Server Part II	3
INTE 2033	Windows Server Part III	3
Total		18

For more information, contact the Science, Technology, Engineering, and Mathematics Division at (225) 216-8226.