

Certificate in Information Technology System Administrator

Program Outcomes

Upon completion of this certificate, students will have the foundation for industry certifications from CompTIA, Microsoft, and Cisco.

Employment Opportunities or Additional Educational Options

With this certificate, students will be able to enhance their employability by continuing in one of the associate degree programs at SMC. This certificate also gives graduates career opportunities and advancement in the field of systems administration in IT.

To Learn More About This Program

Contact Randy Flory at 269-782-1377 or rflory@swmich.edu or Eric Clayborn at 269-782-2153 or eclayborn@swmich.edu.

Certificate Requirements

To earn this certificate, students must have an overall GPA of 2.0 or higher, fulfill the course requirements of the program listed below, and complete a minimum of 28 credit hours. Additionally, each prerequisite course must be completed with a minimum grade of "C."

Certificate Courses

Course ID	Course	Credits
EDUC 120	Educational Exploration and Planning	1 credit
BUSI 240	Professionalism Workshop	1 credit
ISYS 207	Managing and Maintaining PCs	4 credits
ISYS 260	Wireless Communications	3 credits
ISYS 271	Networking Essentials	3 credits
ISYS 272	Configuring Windows Devices	3 credits
ISYS 281	Installing Windows Server	3 credits
ISYS 283	Administering Windows Server	3 credits
ISYS 284	Advanced Windows Server	3 credits
ISYS 285	Network Security	3 credits
ISYS 288	CISCO Routers and Switches	3 credits
ISYS 289	Installing and Configuring Windows	3 credits

Total Program Credits: 33

Additional Notes About the Certificate in Information Technology System Administrator Program

- A prerequisite course may be needed prior to enrollment in some courses within this program. Specific prerequisite requirements are listed in the Course Description section in the Course Catalog. A summary of the prerequisites are listed below in the Example Course Sequence.
- Courses taken out of sequence may delay a student's ability to complete the program in a timely manner. Please consult your advisor regularly.
- Each student should submit a graduation application at least one full semester before he/she plans to graduate.
- This program is subject to change. Students should consult with their advisor for program updates.

Example Course Sequence

The following is a sample of a semester-by-semester approach to completing this program.

FIRST SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
EDUC 120 Educational Exploration and Planning	1 credit	ENGL 115 or test score (concurrent enrollment allowed)
ISYS 207 Managing and Maintaining PCs	4 credits	None
ISYS 271 Networking Essentials	3 credits	ISYS 207 (concurrent enrollment allowed)
ISYS 285 Network Security	3 credits	ISYS 207

SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
BUSI 240 Professionalism Workshop	1 credit	None
ISYS 260 Wireless Communications	3 credits	ISYS 207
ISYS 281 Installing Windows Server	3 credits	ISYS 207 and ISYS 271
ISYS 289 Installing and Configuring Windows	3 credits	ISYS 281

THIRD SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
ISYS 272 Configuring Windows Devices	3 credits	ISYS 281
ISYS 283 Administering Windows Server	3 credits	ISYS 281
ISYS 284 Advanced Windows Server	3 credits	ISYS 281
ISYS 288 CISCO Routers and Switches	3 credits	ISYS 271

