Certificate in Information Technology Cybersecurity & System Administrator

Program Overview

Upon completion of this certificate, students will be able to apply their technical competency towards the behavioral analytics of networks and devices, to help assess the cybersecurity posture of an organization. This certificate also provides the foundation for industry certifications such as the CompTIA Security+ and the CompTIA CySA+.

To Learn More About This Program

Contact Eric Clayborn at 269-783-2153 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 21 credit hours. Additionally, each prerequisite course must be completed with a minimum grade of C.

Course Offerings

Courses within this program are offered on-site at our Dowagiac campus.

Certificate Courses

Course ID	Course	Credits
ISYS 201	IT Support	3 credits
ISYS 207	Managing and Maintaining PCs	4 credits
ISYS 229	Scripting Languages	3 credits
ISYS 271	Networking Essentials	3 credits
ISYS 281	Installing Windows Server	3 credits
ISYS 282	Linux	3 credits
ISYS 285	Network Security	3 credits
ISYS 295	Cybersecurity Analysis	3 credits

Total Program Credits: 25

Additional Notes About the Certificate in Information Technology Cybersecurity & System Administrator Program

- 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 they plan 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)
ISYS 201 IT Support	3 credits	None
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 271 (concurrent enrollment allowed)

SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of C Required)
ISYS 229 Scripting Languages	3 credits	None
ISYS 281 Installing Windows Server	3 credits	ISYS 207 and ISYS 271
ISYS 282 Linux	3 credits	None
ISYS 295 Cybersecurity Analysis	3 credits	ISYS 285