

# **Certificate in Information Technology Cybersecurity & System Administrator**

## **Program Overview**

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

## **To Learn More About This Program**

Contact Eric Clayborn at 269-783-2153 or [eclayborn@swmich.edu](mailto: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 may be offered on-site at our Dowagiac or Niles Campus.

**Certificate Courses**

Course ID	Course	Credits
BUSI 240	Professionalism Workshop	1 credit
ISYS 207	Managing and Maintaining PCs	4 credits
ISYS 229	Scripting Languages	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 295	Cybersecurity Analysis	3 credits

**Total Program Credits: 32**

## Additional Notes About the Certificate in Information Technology Cybersecurity & 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 is 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)
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 (concurrent enrollment allowed)

#### SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of C Required)
BUSI 240 Professionalism Workshop	1 credit	None
ISYS 229 Scripting Languages	3 credits	None
ISYS 281 Installing Windows Server	3 credits	ISYS 207 and ISYS 271
ISYS 295 Cybersecurity Analysis	3 credits	ISYS 285

#### 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

