

Wisconsin State Cyber Security Education Summit

Wisconsin Centers of Academic Excellence (CAE) in Cybersecurity

Madison Area Technical College

Waukesha County Technical College

Marquette University

University of Wisconsin, Stout

Madison Area Technical College CAE overview



MADISON
AREA | TECHNICAL
COLLEGE

Image from Recent Social Media campaign



Madison College program information webpage



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IT-Cybersecurity Specialist

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Madison College Cybersecurity Associate Degree Program

Semester 1 17 cr

Linux Server 1
10-154-190 (3 cr)

IT Security Awareness
10-151-102 (1 cr)

Intro to Cisco Networking
10-150-121 (3 cr)

Enterprise Client
10-154-184 (3 cr)

Exploration of Info Tech
10-107-111 (1 cr)

Semester 2 15 cr

Linux Server 2 (Security)
10-151-114 (3 cr)

Firewall/VPN Technologies
10-150-194 (3 cr)

Python Scripting
10-152-109 (3 cr)

Windows Server 1
10-154-171 (3 cr)

Semester 3 16 cr

Incident Response*
10-151-137 (3 cr)

Web Application Security*
10-151-142 (3 cr)

VMware Certified Pro (VCP)
10-157-135 (3 cr)

Intro to Cloud Computing
10-157-101 (3 cr)

Job Search Prep
10-107-175 (1 cr)

Semester 4 15 cr

Net Forensics & Threat Hunting**
10-151-133 (3 cr)

Penetration Testing**
10-151-164 (3 cr)

Security Design**
10-151-168 (3 cr)

Cybersecurity Internship**
10-151-197 (3 cr)

Madison College Organization Overview

School of Technologies & Trades

- **Information Technology Department**
 - Software Development
 - Systems Administration
 - Desktop Support
 - Cloud DevOps
 - Networking
 - Cybersecurity

Madison College Dual Credit Courses

Current

- IT Security Awareness
- Enterprise Client (Windows)

Future

- Python Programming
- RING curriculum

Madison College Dual Credit Process Overview

New Dual Credit class approval

- IT Program leadership identify courses they would like to offer as Dual Credit courses.
- Program chair works with Early College Manager so the manager can promote the class to K12 partners
- Identify the HLC requirements needed to teach class

Align with interested High Schools

- IT faculty connect with HS Teacher to align curriculum

Madison College Dual Credit Process Overview

Hiring:

- Coordinate with HR to get new teacher applications posted on the website
 - Hiring is November to Feb for the next academic year
 - Include teacher qualifications/class description document with any requirements
- Teachers need to include resume, DPI license, and transcripts. Resume should show related work experience to the subject area.
- Applications are reviewed By Dean/Associate Dean or Program Director to determine if the teacher meets the qualifications
 - If missing industry experience, teachers can complete a 40 hour externship and a graduate class at UW-Stout
 - Early College has a DWD grant to cover these opportunities

Madison College Dual Credit Process Overview

Hiring:

New teachers - Work with mentors and/or academic schools to coordinate level 1/train the trainer sessions

Ongoing Support:

Madison College IT Faculty Mentor is available for support to the HS Dual Credit Teacher throughout the semester.