Michigan Technological University
Minor in Cybersecurity
Program Code TCYM, Academic Year 2021-22
College of Computing
Total Credits Required: 18

Required Courses: 6 credits

Course	Credits

CS 1111* Introduction to Programming in C/C++ *Prereqs: none*
    or CS 1142 Programming at the Hardware Software Interface *Prereqs: CS1122 or CS1131*
    or MIS 2100 Introduction to Business Programming *Prereqs: none*
	3

SAT 3812** Cybersecurity I *Prereqs: SAT1200 or CS1111 or CS1121 or CS1131 or CS1142 or MIS2100 or EET2241*	3

Required Courses: Select two or more courses for 6 to 12 credits

Course	Credits
CS 4471 Computer Security *Prereqs: CS3411 or CS4411*	3
EE 4723 Network Security *Prereqs: EE4272 or CS4461 or SAT4812*	3
MA 3203 Intro to Cryptography *Prereqs: MA2320 or MA2321 or MA2330*	3
SAT 4812 Cybersecurity II *Prereqs: SAT3812*	3

Elective Courses: Select 0 to 6 credits not already taken

Course	Credits

CS 3425 Introduction to Database Systems *Prereqs: CS2311 or MA3210) and CS2321*
    or MIS 3100 Business Database Management *Prereqs: MIS2000*
    or SAT 3210 Database Management *Prereqs: SAT1200 or CS1111 or CS1121 or CS1131 or CS1142 or MIS2100*
	3

CS 3712 Software Quality Assurance *Prereqs: CS3141*	3
CS 4411 Operating Systems *Prereqs: CS3331 and CS3421*	3
CS 4431 Computer Architecture *Prereqs: CS3421*	3
CS 4461/EE 4272 Computer Networks *Prereqs: CS3411*	3
CS 4471 Computer Security *Prereqs: CS3411 or CS4411*	3
CS 4710 Model-Driven Software Development *Prereqs: CS3311 and CS3141*	3
EE 4173 Computer System Engineering and Performance *Prereqs: CS3421 and EE3173*	3
EE 4723 Network Security *Prereqs: EE4272 or CS4461 or SAT4812*	3
EE 5365 In-Vehicle Communication Networks *Prereqs: EE3250 or EE4250*	3
MA 3203 Intro to Cryptography *Prereqs: MA2320 or MA2321 or MA2330*	3
MIS 4200 Management of Cyber Security *Prereqs: MIS2000 or CS1111 or CS1121 or CS1131*	3
SAT 2711 Linux Administration I *Prereqs: SAT1200 or CS1111 or CS1121 or CS1131 or CS1142 or MIS2100*	4
SAT 3310 Scripting for Administration and Automation *Prereqs: SAT1200 or CS1111 or CS1121 or CS1131 or CS1142 or MIS2100*	4
SAT 3820 Wireless System Administration *Prereqs: SAT1200 or CS1111 or CS1121 or CS1131 or CS1142 or MIS2100*	4
SAT 4816 Digital Forensics (3) *Prereqs: SAT3812*	3

*Must be enrolled in one of the following Major(s): Computer Network & System Administration, Electrical Engineering, Audio Production & Technology; Must be enrolled in one of the following Class(es): Freshman, Sophomore
**Must be enrolled in one of the following Class(es): Junior, Senior