Michigan Technological University
Bachelor of Science Degree Audit
Major Program: Cybersecurity, Concentration: System and Network Security
Program Code: CCY2, Academic Year 2021-22
Total credits required for the degree: 121

Core Requirements: 32 to 33 Credits

Course	Credits
CS 1121 and CS 1122 or CS 1131	5/6
CS 2311	3
CS 4000	3
CS 4723 or EE 4723	3
SAT 1700	3
SAT 2711	4
SAT 3812	3
SAT 4510	3
SAT 4816	3
MA 2320	2

Math Requirements: 8 to 9 Credits

Course	Credits
MA 1160 or MA 1161	4/5
MA 2720	4

Lab Science Requirements: 7 Credits

Students must complete two science courses in two different disciplines, from the Science Course List; at least one of these must include or be taken with the accompanying laboratory.

Course	Credits

Technical Elective Courses: 3 Credits

HU3120, SS3640, MIS4200, OSM4300, ENT3950 and ENT3960, CS3000 - CS5999, EE3000 - EE5999, SAT3000 - SAT5999

Course	Credits
	3

Concentration Requirements: 36 Credits

Course	Credits
SAT 2343	4
SAT 3210	3
SAT 3343	4
SAT 3611	3
SAT 3820	4
SAT 4310	3
SAT 4411	3
SAT 4520	3
SAT 4812	3
SAT 4817	3
OSM 4300	3

Culminating Experience: 4 Credits

Choose one from any of the following three options. All activities need preapproval from the department advisor and include a significant cybersecurity experience.

Course	Credits
Senior Design I & II	
CS/SAT 4793	2
CS/SAT 4794	2
Undergraduate Cooperative Education I & II	
UN 3002	2
UN 3003	2
Enterprise Project Work	
ENT 4950	2
ENT 4960	2

Free Electives: 5 to 7 Credits

Any coursework is allowable, excluding co-curricular and coursework below the 1000-level.

Course	Credits

General Education Core and HASS

Courses used to complete Core and HASS requirements may not be used to complete other degree requirements. Students must complete 12 credits of Core coursework and 12 credits of Humanities, Fine Arts, and Social Science (HASS) coursework. Repeatable courses may not be repeated for general education credit. Core and HASS courses can be found on the General Education page.

Core: 12 credits

Course	Credits
UN 1015	3
UN 1025 or an upper level modern language	3
Critical and Creative Thinking	3
Social Responsibility and Ethical Reasoning	3

HASS: 12 credits

Six of the 12 HASS credits must be at the 3000 or 4000 level (an upper division language course in place of UN1025 does not meet this requirement). No more than three credits may come from the HASS Restricted course list.

Course	Credits
Communication/ Composition	Minimum 3
Humanities and Fine Arts	Minimum 3
Social and Behavioral Sciences	Minimum 3
Course from any list above or from the Restricted HASS course list	0 to 3

Co-curricular Activities: 3 credits

Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree. Only courses on the co-curricular course list are eligible. Half credit (0.5) courses may be repeated to a maximum of one time for co-curricular credit. Find eligible courses on the General Education page.

Course	Credits