

**Michigan Technological University****Bachelor of Science Degree Audit****Major Program: Computer Network and System Administration**

Program Code: TCSA, Academic Year 2021-22

Total credits required for the degree: 127

**Required Courses: 69 credits**

Course	Credits
CS 1111	3
EET 1411	4
EET 2411	3
EET 2413	3
HU 3120	3
OSM 4300	3
SAT 1610	3
SAT 1700	3
SAT 2343	4
SAT 2511	4
SAT 2711	4
SAT 3200	3
SAT 3210	3
SAT 3310	3
SAT 3343	4
SAT 3611	3
SAT 3812	3
SAT 3820	4
SAT 3830	1
SAT 3900	1
SAT 3901	1
SAT 4411	3
SAT 4816	3

**Math and Science Requirements: 14 to 15 credits**

Course	Credits
MA 1160 or MA 1161	4/5
MA 2320	2
MA 2720	4
PH 1140	3
PH 1141	1

**General Education Science Elective (Non-Physics) from the STEM Science courses list: Minimum 3 credits**

Course	Credits
	3

**Choose one of the following Project options: 6 credits**

Course	Credits
Senior Project - Option 1	
SAT 4480	3
SAT 4880	3
Enterprise - Option 2	
ENT 3950	1
ENT 3960	1
ENT 4950	2
ENT 4960	2

**Technical Electives: 9 credits**

Course	Credits
ACC 2000	3
BUS 2200	3
EET 3373	3
EET 4141	4
EET 4253	3
ENT XXXX except ENT3964, ENT4950, 4960	1
MA 3203	3
MGT 3800	3
MGT 4600	3
OSM 3000	3
SAT 3002	3
SAT 4240	3
SAT 4310	3
SAT 4343	3
SAT 4600	3
SAT 4812	3
SAT 4996	1-3
SAT 4997	1-3
SAT 4998	1-6
SAT 5000 level	1-3

**Free Electives: 1 to 2 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