

## Michigan Technological University Bachelor of Science Degree Audit

### Major Program: Computer Network and System Administration

Program Code: TCSA, Academic Year 2022-2023

Total credits required for the degree: 122

#### Required Courses: : 69 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 (3)
- SAT 2344 (1)
- SAT 2511 (3)
- SAT 2711 (3)
- SAT 3200 (3)
- SAT 3210 (3)
- SAT 3310 (3)
- SAT 3343 (4)
- SAT 3611 (3)
- SAT 3812 (3)
- SAT 3820 (4)
- SAT 3900 (1)
- SAT 3901 (1)
- SAT 4310 (3)
- SAT 4411 (3)
- SAT 4816 (3)

#### Math and Science Requirements: 14 credits

- MA 1160 (4) or MA 1161 (5)
- MA 2320 (2)
- MA 2720 (4)
- PH 1140 (3)
- PH 1141 (1)

#### General Education Science Elective: 3 credits

Select a minimum of 3 credits (non-physics) from the general education science course list; Find eligible courses on the [General Education](#) webpage.

#### Senior Project: 4 credits

Choose one of the following project options:

##### Senior Project – Option 1

- SAT 4480 (2)
- SAT 4880 (2)

##### Enterprise – Option 2

- ENT 4950 (2)
- ENT 4960 (2)

#### Technical Electives: 6 credits

- ACC 2000 (3)
- BUS 2200 (3)
- EET 3373 (3)
- EET 3131 (3)
- EET 4141 (4) or EE 3171 (4)
- EET 4144 (4)
- EET 4253 (3)
- ENT XXXX (2)  
*except ENT3964, 3950, 4960*
- MA 3203 (3)
- MGT 3800 (3)
- MGT 4600 (3)
- OSM 3000 (3)
- SAT 3002 (3)
- SAT 4240 (3)
- SAT 4343 (3)
- SAT 4600 (3)
- SAT 4812 (3)
- SAT 4996 (1 to 3)
- SAT 4997 (1 to 3)
- SAT 4998 (1 to 6)
- SAT 5000 level (1 to 3)

#### Free Electives: 1 to 2 credits

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

## General Education Core, Humanities, Fine Arts, and Social Science (HASS) Requirements: 24 credits

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

- 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 credits must be at the 3000- or 4000- level

- Communication/Composition (minimum 3 credits)
- Humanities and Fine Arts (minimum 3 credits)
- Social and Behavioral Sciences (minimum 3 credits)
- Any course from the General Education Core, HASS, or Restricted HASS [course list](#) (0 to 3 credits)

### 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 (0.5) credit courses may be repeated to a maximum of one time for co-curricular credit. Find eligible courses on the [General Education](#) page.