Michigan Technological University Bachelor of Science Degree Audit
Major Program: Software Engineering
Program Code: SSEN, Academic Year 2023-2024
Total credits required for the degree: 124

Core Requirements: 54 to 55 credits

- CS 1000 (1)
- CS 1131 (5) or CS 1121 and CS 1122 (6)
- CS 1142 (3)
- CS 2311(3) or MA 3210 (3)
- CS 2321 (3)
- CS 3000 (3)
- CS 3141 (3)
- CS 3311 (3)
- CS 3331 (3)
- CS 3411 (3)
- CS 3421 (3)
- CS 3425 (3)
- CS 3712 (3)
- CS 4321 (3)
- CS 4710 (3)
- CS 4711 (3)
- CS 4760 (3) or CS 3760 (3)
- HU 3120 (3)

Choose one of the following options: 6 credits

Option 1

- CS 4791 (3)
- CS 4792 (3)

Option 2

- ENT 3950 (1)
- ENT 3960 (1)
- ENT 4950 (2)
- ENT 4960 (2)

Math Requirements: 10 to 12 credits*

- MA 1160 (4) or MA 1161 (5)
- MA 2330 (3)
- MA 2720 (4) or MA 3710 (3) or MA 3720 (3)

Lab Science Requirements: 7 credits minimum*

Students must complete two science courses in two different disciplines (BL, CH, KIP, FW, GE, PH, SS) from the general education science course list; at least one of these must include or be taken with the accompanying laboratory. Find eligible courses on the General Education webpage.

Science Elective or MA3XXX: 6 to 7 credits*

Take a MA course (3000-level or higher) or a course from the approved STEM Science list.

Technical Electives: 9 credits

See academic advisor for approved technical electives

Free Electives: 4 to 8 credits

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

*Science and math should total 24 credits overall

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.