

## Michigan Technological University Bachelor of Science Degree Audit

### Major Program: Mechatronics

Program Code: IMX, Academic Year 2024-2025

Total credits required for the degree: 120

#### Mechatronics Core: 47 to 48 credits

- CS 1111 (3) or CS 1121 (3) or DATA 1202 (3) or MIS 2100 (3)
- SAT 1610 (3) or SAT 1700 (3) or SAT 2711 (3) or SAT 2343/2344 (4)
- EET 1121 (3)
- EET 1122 (1)
- EET 2121 (3)
- EET 2122 (1)
- EET 2233 (4)
- EET 3131 (3)
- EET 3144 (3)
- EET 3373 (3)
- EET 4144 (4)
- EET 4311 (3)
- EET 4999 (1)
- MET 3130 (3)
- MET 4210 (3)
- MET 4377 (3)
- PSY 3850 (3)

#### Math and Science Requirements: 18 to 19 credits

- EET 2150 (3)
- MA 1160 (4) or MA 1161 (5)
- MA 2160 (4)
- MA 3710 (3)
- 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 Design: 6 credits

Choose one of the following project options:

##### Senior Project – Option 1

- EET 4460 (3)
- EET 4480 (3)

##### Enterprise – Option 2

- ENT 3950 (1)
- ENT 3960 (1)
- ENT 4950 (2) or UN 3002 (2)
- ENT 4960 (2) or UN 3003 (2)

#### Technical Electives: 20 to 22 credits

CS 1122, CS 1142, CS2311, CS 2321, CS 3311, CS 3411, CS 3421, CS 4312, CS 4471, CS 4760, CS 4811, EE 2180, EE 3280, EE 4272/CS 4461, EE 4532, EE 4723/CS 4723, EET 2220, EET 2411, EET 3225, EET 4147, EET 4253, EET 4373, EET 4501, EET 4707, EET 4996, EET 4997, EET 4998, ENG 1100, MET 2153, MET 2400, MET 4355, MIS 4200, PSY 4015, SAT 1610, SAT 2711, SAT 3210, SAT 3310, SAT 3812, SAT 3820, SAT 4310/SAT 4650, SAT 4812, SAT 4816

#### Free Electives: 0 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.