

Michigan Technological University**Bachelor of Science Degree Audit****Major Program: Mechatronics**

Program Code: IMX, Academic Year 2020-21

Total credits required for the degree: 120

Mechatronics Core: 57 credits

Course	Credits
CS 1090 or CS 1121	3
EET 1120	4
EET 2120	4
EET 2233	4
EET 2241	3
EET 3131 or EET 4253	3
EET 3373	3
EET 4141	4
EET 4144	4
EET 4311	3
EET 4460	3
EET 4480	3
EET 4999	1
MET 3130	3
MET 4210	3
MET 4377	3
SAT 3812	3
PSY 3850	3

Math and Science Requirements: 15 to 16 credits

Course	Credits
EET 2150	3
MA 1160 or MA 1161	4/5
MA 2160	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

Technical Electives: 18 credits

Select 18 credits from the list below

CS 1122, 1142, 2311, 2321, 3311, 3411, 3421, 4312, 4471, 4760, 4811, EE 2180, 3280, 4532, EE4272/CS4461, EE4723/CS4723, EET 2141, 2220, 4147, 4373, 4996, 4997, 4998, MET 2153, 2400, 4355, MIS 4200, PSY 4015, SAT 1610, 2711, 3310, 3820, 4310, 4812, 4816

Course	Credits

Free Electives: 3 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