

Michigan Technological University

Bachelor of Science Degree Audit

Major Program: Mathematics, Concentration: Secondary Education

Program Code: SMA7, Academic Year 2018-19

Total credits required for the degree: 124

Core Requirements: 33 credits

Course	Credits
MA 1160	4
MA 2160	4
MA 2330	3
MA 2710	3
MA 3160	4
MA 3210	3
MA 3310	3
MA 3450	3
MA 3560	3
MA 1600 or MA 2600 or CS 1121 or CS 1131	3

Lab/Science: 7 credits

[One course in Lab/Science from the STEM Science course list](#)

Course	Credits

[One additional science course, from the STEM science course list in a different discipline from the course taken above](#)

Course	Credits

Concentration Requirements: 47 credits

Course	Credits
MA 1910	3
MA 3924	3
MA 4905	2
MA 4908	3
MA 4945	3

[4000-level Math Elective: 6 credits](#)

Course	Credits
MA 4xxx	3
MA 4xxx	3

Education Requirements: 27 credits

Course	Credits
ED 3210	2
ED 3410	1
ED 4110	3
ED/HU 4150	4
ED 4300	2
ED 4700	3
ED 4910	12

Free Electives: Variable credits

Free elective credits are usually fulfilled by the required Secondary Teaching Certification Minor* credits. The amount will vary depending on the minor selected and the minor credits being used in other areas of this degree audit.

Course	Credits

*Complete a Teaching Certification Minor Audit with the Department of Cognitive and Learning Sciences.

Note: Students completing this concentration will not be eligible for Michigan Teacher Certification without additional coursework. For Michigan Teacher Certification, please complete the Mathematics Secondary Teaching program requirements (degree audit).

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