# Michigan Technological University Bachelor of Arts Degree Audit Major Program: Physics

Program Code: SPA, Academic Year 2020-21 Total credits required for the degree: 124

Major Requirements: 60 to 63 credits

Course	Credits
CH 1150	3
CH 1151	1
MA 1160/1161	4/5
MA 2160	4
MA 2320/2330	2/3
MA 3160	4
MA 3530	3
PH 1160	4
PH 1161	1
PH 1360	2
PH 1361	1
PH 2020	2
PH 2260	4
PH 2261	1
PH 2300	2
PH 2400	3
PH 2330* <b>or</b>	4/2
PH 3210*	4/3
PH 4010	1

<sup>\*</sup>Students selecting both of these courses may count 3 credits here and 4 credits toward the 15 required credits of Physics Electives.

## **Physics Electives: 15 credits**

Minimum 9 credits at the 3000-level or higher with no more than 3 credits of PH4999 counting toward the 9 credits. PH4011, PH4050 and PH4080 can count towards the total credit hours of Physics Electives, but not toward the 9 minimum credits at the 3000-level or higher.

Course	Credits

### Free Electives: 37 to 40 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 <u>General Education</u> page.

Course	Credits