

## Michigan Technological University Bachelor of Arts Degree Audit

### Major Program: Physics

Program Code: SPA, Academic Year 2022-2023

Total credits required for the degree: 124

#### Major Requirements: 45 to 48 credits

*\*Students selecting both PH2230 and PH3210 may count 3 credits in major requirements and 4 credits in Physics Electives.*

- CH 1150 (3)
- CH 1151 (1)
- MA 1160 (4) or MA 1161 (5)
- MA 2160 (4)
- MA 2320 (2) or MA 2330 (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 2230 (4)\* or PH 3210 (3)\*
- PH 4010 (1)

#### 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 toward the total credits of Physics Electives, but not toward the 9 minimum credits at the 3000- level or higher.

#### Free Electives: 37 to 40 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

*At least 6 of the 12 credits must be at the 3000-level 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.