

## Michigan Technological University Bachelor of Science Degree Audit

### Major Program: Human Factors, Concentration: Systems Thinking and Design

Program Code: SHF1, Academic Year 2024-25

Total credits required for the degree: 120

#### Core Requirements: 43 credits

- BL 2010 (3)
- BL 2011 (1)
- HF 1999 (1)
- HF 2000 (3)
- HF 3999 (1)
- KIP 4250 (3)
- PSY 2720 (4)
- PSY 2800 (3)
- PSY 3000 (3)
- PSY 3001 (3)
- PSY 3700 (3)
- PSY 3800 (3)
- HF 3850 (3)
- PSY 4010 (3)
- HF 4015 (3)
- PSY 4160 (3)

#### Cognitive Elective: 3 credits

- PSY 3060 (3)
- PSY 4110 (3)
- PSY 4750 (3)

#### Cultural Competency Elective: 3 credits

- HU 3400 (3)
- HU 3401 (3)
- HU 3410 (3)
- HU 3701 (3)
- PSY 3720 (3)
- PSY 4340 (3)
- SS 2100 (3)
- SS 2510 (3)
- SS 2700 (3)
- SS 3105 (3)
- SS 3270 (3)
- SS 3750 (3)

#### Usability Elective: 3 credits

- HF 4880 (3)
- HU 4628 (3)

#### Visual Design Elective: 3 credits

- ART 1100 (3)
- ART 1110 (3)
- HU 2633 (3)
- HU 2645 (3)

#### Science Elective: 3 credits

Complete 3 credits of a non-BL science course from the STEM science course list. Find eligible courses on the [General Education](#) page.

#### Concentration Requirements: 21 to 23 credits

- MA 1030 (3) and MA 1031 (3)  
or MA 1032 (4)  
or MA 1160 (4)  
or MA 1161 (5)
- ENG 1101 (3)  
or CS 1121 (3)  
or MIS 2100 (3)
- ENG 1505 (1)
- ENG 2505 (3)
- ENG 3505 (1)
- ENG 4505 (3)
- ENG 4300 (3)  
or OSM 4300 (3)

Complete 3 credits from the following:

- ENT 3953 (1)
- ENT 3958 (1)
- ENT 3963 (1)
- ENT 3983 (1)
- HON 3300 (3)

### **Culminating Experience: 7 credits**

- HF 4999 (1)
- ENT 3950 (1)
- ENT 3960 (1)
- ENT 4900 (2)
- ENT 4910 (2)

### **Free Electives: 8 to 10 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.