

**Michigan Technological University Bachelor of Science Degree Audit**  
**Major Program: Medical Laboratory Science, Concentration: 4+1 MLS**

Program Code: SML9, Academic Year 2023-2024

Total credits required for the degree: 120, or 132 with optional University Based Practicum

**Practicum and Career Prep: 1 credit**

*Required for degree, but does not count in overall credit total for degree.*

- BL 0600

**Biology Requirements: 51 credits**

- BL 1200 (3)
- BL 1210 (1)
- BL 1600 (1)
- BL 1710 (1)
- BL 2010 (3)
- BL 2011 (1)
- BL 2020 (3)
- BL 2021 (1)
- BL 2200 (3)
- BL 2410 (3)
- BL 3025 (3)
- BL 3210 (4)
- BL 3230 (4)
- BL 3640 (3)
- BL 3800 (2)
- BL 3900 (1)
- BL 4550 (3)
- BL 4640 (2)
- BL 4720 (4)
- BL 4725 (3)
- BL 4980 (2)

**Math and Chemistry Requirements: 15 credits**

- CH 1150 (3)
- CH 1151 (1)
- CH 1160 (3)
- CH 1161 (1)
- CH 2410 (3)
- MA 2720 (4)

**Focus Area: 12 credits (optional)**

In consultation with the academic advisor, select a University-Based Clinical Practicum

- BL 4612 (12)

**Choose 6 credits of the following:**

- BL 2940 (3)
- BL 3012 (3)
- BL 3044 (3)
- BL 3300 (3)
- BL 3400 (4)
- BL 3820 (2)
- BL 3970 (3)
- BL 3990 (1-3)
- BL 4000 (1-3)
- BL 4020 (3)
- BL 4044 (3)
- BL 4370 (3)
- BL 4380 (3)
- BL 4410 (3)
- BL 4660 (1-3)
- BL 4752 (3)
- BL 4999 (1-3)
- EC 2001 (3)
- KIP 4700 (2)
- MGT 2000 (3)
- MGT 3000 (3)
- MGT 4700 (3)
- MKT 3000(3)

**Concentration Courses: 13 credits**

- BL 3611 (1)
- BL 4800 (4)
- PH 1110 (3)
- PH 1111 (1)
- PH 1200 (1)
- PH 1210 (3)

**Free Electives: 11 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.