

Michigan Technological University Bachelor of Science Degree Audit

Major Program: Sustainability Science and Society

Program Code: SSSU, Academic Year 2023-24

Total credits required for the degree: 120

Area A) Core Requirements: 18 credits

- SS 1001 (1)
- SS 2001 (3)
- SS 2300 (3)
- SS 3313 (3) or FW 3313 (3)
- SS 4120 (3)
- EC 2001 (3)
- FW 2030 (2)

Area B) Methods & Statistics: 8 to 10 credits

Choose 3 courses:

- FW 3540 (4)
- SS 2050 (3)
- SS 2720 (3)
- SS 3240 (3)
- SS 3625 (3)
- SS 3961 (3)
- SS 4009 (3)
- SS 4010 (3)
- SS 4050 (3)
- SS 4211 (3)
- SS 4630 (2)
- SS 4700 (3)

Area C) Environmental Sciences: 7 to 12 credits

Choose three (3) courses for 7 to 12 credits with at least one course from each list.

List A: Ecology

BL3490, BL4090, BL4440, BL4447, BL4450, BL4461, BL4465, FW2010, FW2060, FW3020, FW3410, FW3610, FW3640, FW4128, FW4220, FW4240, FW4260, FW4380, FW4400

List B: Earth and Physical Science

FW3180, FW3330, FW4370, FW4710, GE2000, GE2100, GE2500, GE2640, FE3320, GE3850

Area D) Environmental Economics: 3 credits

Choose 1 course:

- EC 4620 (3)
- EC 4630 (3)
- EC 4640 (3)
- FW 4081 (3)

Area E) Environment & Sustainability: 27 credits

Complete 9 courses total

- Choose one course from five of the six lists
- Choose two courses from within one list
- Choose remaining two courses from any list

List 1: Policy

FW3110, SS2620, SS2625, SS2635, SS3600, SS3612, SS3630, SS3800, SS4325, UN4400

List 2: Engineering Sustainability

CEE4506, CEE3501 or CEE3503, CMG4800, ENG4510, MEEM4685

List 3: Sustainability & Communities

SS2450, SS3110, SS3315, FW4380, SS4390, SS4450, SS4530

List 4: Environment & Society

HU3508, SS3520, SS3280, SS3755, SS3760, SS3801, SS3815, SS4001, SS4200, SS4400, SS4540

List 5: Environmental Health & Justice

BL4070, BL4120, FW3075, HU4625, SS3105, SS3750, SS3805, SS3811

List 6: Decision Making & Persuasion

PSY2800, PSY3200, PSY3720, PSY4010, PSY4750, SS3805, SS3811, EC3400, MGT2000, SS4001, SS4040

Area F) Culminating Experience: Capstone,

Internship, Thesis, or Research Experience

focused on sustainability issues: 4 to 5 credits

In consultation with an advisor who can assure the project focuses on sustainability.

- SS 4910 (1)
- Take one course from the list: SS3090, SS3913, SS3960, SS4000, SS4501, SS4920, SS4921

Or, students may participate in the Enterprise Program to serve as their culminating experience for the major, with approval from the Enterprise faculty and their academic advisor.

- SS 4910 (1)
- Take 3 to 4 credits from ENT3950, ENT3960, ENT4900, ENT4910, ENT4950, ENT4960

Free Electives: 10 to 18 credits

Any course is allowable with the exception of co-curricular courses and courses below the 1000- level.

General Education Science, Technology, Engineering and Math (STEM): 15 credits required

The STEM course list can be found on the [General Education](#) page.

Mathematics: 4 credits minimum

Lab/Science: 7 credits minimum

- Lab/Science course, and a science course in two different disciplines from the STEM science course list

Additional STEM: 4 credits, credits vary based on the number of credits taken in math and science

- Any course from the STEM courses lists

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 six of the 12 credits must be at the 3000- or 4000- level, not including upper level modern language in place of UN1025

- 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.