SUSTAINABILITY SCIENCE AND PRACTICE B.S.

Bachelor of Science - Sustainability Science and Practice

College of Humanities & Sciences

Catalog Year: 2022-23

General Education Requirements
Information regarding these requirements can be found in the General Education Section (http://catalog.umt.edu/academics/general-education-requirements/) of the catalog.

Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Sustainability Knowledge and Science</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Sustainability Theory</td>
<td>6</td>
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<tr>
<td></td>
<td>Analysis, Research, and Integrative Thinking</td>
<td>10</td>
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<tr>
<td></td>
<td>Sustainability in Practice: Internship</td>
<td>3</td>
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<tr>
<td></td>
<td>Sustainability in Practice: Capstone Experience</td>
<td>6</td>
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<td></td>
<td>Total Hours</td>
<td>52</td>
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Degree Specific Credits: 52

Required Cumulative GPA: 2.0

Sustainability Knowledge and Science

Complete all of the following courses:

- ENSC 105N Environmental Science
- BIOB 160N Principles of Living Systems
  or BIOB 170N Principles of Biological Diversity
- GEO 103N Introduction to Environmental Geology
- CHMY 121N Introduction to General Chemistry
  or CHMY 141N College Chemistry I
- NRSM 281 Science of Climate Change
- ENSC 360 Applied Ecology
- ENST 410 TEK of Indigenous Peoples

Sustainability Knowledge and Science Electives - Complete 2 of the following courses:

- BIOE 428 Freshwater Ecology
- BIOE 439 Stream Ecology
- BIOE 440 Conservation Ecology
- ENSC 470 Agroecology
- ERTH 303N Weather and Climate
- GEO 318 Earth's Changing Climate
- GEO 327 Geochemistry
- GEO 420 Hydrogeology
- NRSM 210N Soils, Water and Climate
- NRSM 265 Elements of Ecological Restoration
- NRSM 385 Watershed Hydrology
- NRSM 408 Global Cycles and Climate
- NRSM 415 Environmental Soil Science
- NRSM 418 Ecosystem Climatology
- NRSM 465 Foundations of Restoration Ecology
- STAT 451 Statistical Methods I

Total Hours: 28

Minimum Required Grade: C-

Sustainability Theory

Complete the following course:

- ENST 225S Sustainable Communities

Sustainability Theory Electives - Complete 1 of the following courses:

- COMX 349 Communication, Consumption, and Climate
- ECNS 433 Economics of the Environment
- ENST 310 Environment Montana: A to Z
- ENST 480 Food Justice and Sustainability
- ENST 489S Environmental Justice Issues & Solutions

Total Hours: 6

Minimum Required Grade: C-

Analysis, Research, and Integrative Thinking

Complete all of the following courses:

- ENST 201 Environmental Info Resources
- STAT 216 Introduction to Statistics

Complete 1 of the following courses:

- BGEN 445 Sustainability Reporting
- ENST 489S Environmental Justice Issues & Solutions
- GPHY 284 Intro to GIS and Cartography
  or FORS 250 Intro to GIS for Forest Mgt
- GPHY 465 Planning Principles & Processes
- GPHY 466 Environmental Planning

Total Hours: 10

Minimum Required Grade: C-

Sustainability in Practice: Internship

Notes:

- 3 credits are required; 6 are recommended.
- Other internships may be used to complete this requirement at the discretion of the program director.

Complete 1 of the following courses:

- ENSC 396 Supervised Internship
ENST 396  Supervised Internship (PEAS)

ENST 398  Cooperative Education/Intern

Total Hours  3

Minimum Required Grade: C-

**Sustainability in Practice and Capstone Experience**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENST 476</td>
<td>Community Sustainability in Practice</td>
<td>3</td>
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<tr>
<td>ENST 499</td>
<td>Senior Thesis/Capstone</td>
<td>3</td>
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Total Hours  6

Minimum Required Grade: C-