Brooks College of Interdisciplinary Studies

Environmental and Sustainability Studies Major, B.A., B.S.

A total of 35-37 credits are required to complete the major in Environmental and Sustainability Studies

Name: ___________________________________ Date: ___________________ Advisor: _______________________

CORE COURSES: ALL REQUIRED (9 credits needed)

____ ENS 201: Introduction to Environmental and Sustainability Studies (SFS)
____ ENS 300: Principles of Sustainability (req. ENS 201)
____ LIB 301: Interdisciplinary Research Methods

TECHNICAL SKILLS (3-4 credits needed) Choose one course from the following:

____ CPH 171: Photography 1
____ GPY 307: Introduction to Geographic Information Systems (req. STA 215)
____ GPY 370: Introduction to Remote Sensing
____ ENS 305: Sustainability Assessment and Reporting (req. ENS 201)
____ NRM 250: Resource Measurement and Maps
____ STA 301: Questionnaire Design and Execution (req. STA 215 or 312)
____ STA 311: Introduction To Survey Sampling (req. STA 216)
____ STA 341: Demographic Methods (req. STA 215 or 312) and (STA 216 or an upper-level research methods course)
____ WRT 200: Introduction to Professional Writing (req. WRT 150)
____ WRT 253: Document Production and Design (req. WRT 150)
____ WRT 350: Business Communication (req. WRT 150)

TRIPLE BOTTOM LINE OVERVIEW COURSES (9 credits needed) One course from each of the following three groups; No course may count toward both a Focus Area and the Triple Bottom Line Overview.

I. Social and Cultural Perspectives — The arts, humanities, and social sciences create, interpret, and analyze cultural narratives that influence humans’ interactions with their environments.

____ ANT 340: Culture and Environment (req. Jr., WRT 150, and HP or US) (I, GP)
____ ART 423: Animals in Art (req. Jr.) (I) **pending**
____ BIO 338: Environmental Ethics (req. Jr., WRT 150)(I)
____ ENG 382: Literature and the Environment (req. Jr., WRT 150) (I)
____ HST 323: Michigan History
____ PA 360: Voluntarism and the Non-Profit Sector
____ PSY 362: Environmental Psychology

II. Physical and Life Science Perspectives — Knowledge from the physical and life sciences defines the context and limits of humans’ interactions with their environments.

____ BIO 105: Environmental Science (NS)
____ ENS 310: How the Biosphere Works
____ GPY 100: Physical and Environmental Geography
____ NRM 330: Environmental Pollution (req. CHM 109 or CHM 116)

III. Political and Economic Perspectives — Policy studies, economics, and the social sciences describe and analyze social structures that influence humans’ interactions with their environments.

____ ECO 345: Environmental and Resource Economics (req. Jr., ECO 200 or 211, Seidman permit) (I)
____ GPY 361: People, Envir./Dev. in the Amazon (req. Jr.) (I)
____ LIB 322: Wicked Problems of Sustainability (req. Jr.) (I)
____ NRM 150: Introduction to Natural Resources
____ NRM 451: Natural Resource Policy (req. Jr., completion of NS or permission) (I)
____ OSH 414: Environmental Safety and Health Regulations
____ PA 307: Local Politics and Administration (req. Jr.) (I)
____ PLS/ENS 303: Introduction to U.S. Environmental Policy (req. Jr.) (I)
____ PLS 314: International Law (req. Jr. and PLS 211)
**Focus Area Courses** (9-10 credits minimum)

*Students must complete the required coursework in at least one of the following Focus Areas: Culture and the Built Environment, Sustainable Food Systems, Energy, or Water Resources*

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<tr>
<th>Focus Area: Culture and the Built Environment</th>
<th>Focus Area: Sustainable Food Systems</th>
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<tbody>
<tr>
<td>Complete one course from each perspectives list; No course may count as both a Focus Area course and as a Triple Bottom Line course.</td>
<td>Complete the required food safety course and one course from each perspectives list; No course may count as both a Focus Area course and as a Triple Bottom Line course.</td>
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<tr>
<td><strong>I. Social and Cultural Perspectives</strong></td>
<td><strong>Requirement: Food Safety</strong></td>
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<tr>
<td>__ANT 340: Culture and Environment (req. Jr., WRT 150, and HP or US) (I, GP)</td>
<td>__HTM 201: Good Food Gone Bad- Food Safety for Everyone (OR)</td>
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<td>__GPY 410: Landscape Analysis and Green Infrastructure (req Jr.) (I)</td>
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<td>__HST 320: American Indians</td>
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<td>__HST 327: History of United States Urban Society</td>
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<td>__SW 150: Intro to Social Work and Social Welfare (SBS)</td>
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<td>__WGS 335: Women, Health and the Environment (req. Jr.) (I)</td>
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<tr>
<td><strong>II. Physical and Life Science Perspectives</strong></td>
<td><strong>I. Social and Cultural Perspectives</strong></td>
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<td>__GPY 312: Urban and Regional Environmental Planning</td>
<td>__ENS 311: To Bee or Not to Bee; Honey Bees and Social Impact</td>
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<td>__NRM 330: Environmental Pollution (req. CHM 109 or 116)</td>
<td>__GPY 362 Farmers, Crops, and Our Challenging Ag. World (req. Jr.) (I, GP, SFS)</td>
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<td><strong>III. Political and Economic Perspectives</strong></td>
<td>__GPY 363: World Forests and Their Use (req. Jr.) (I)</td>
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<td>__CJ 370: Environmental Crime and Justice (req. Jr.)</td>
<td>__HNR 203: Food for Thought I (req. Honors College, previous HNR course)</td>
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<td>__GPY 335: Globalization and Development (req. Jr.) (I)</td>
<td>__SOC 288: Sociology of Food (SFS)</td>
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<td>__GPY 361: People Envir. and Dev. in the Amazon (req. Jr.) (I)</td>
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<td>__HTM 368: Geotourism (req. Jr., HTM 202) (I)</td>
<td><strong>II. Physical and Life Science Perspectives</strong></td>
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<td>__NRM 281: Principles of Soil Science (req. CHM 109 or CHM 115) (SFS)</td>
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<td><strong>III. Political and Economic Perspectives</strong></td>
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<td>__GPY 345: Geography and Land Use Management of MI and the Great Lakes Area</td>
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<td>__GPY 361: People, Envir, and Dev. in the Amazon (req. Jr.) (I)</td>
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Additional Focus Area Courses on the Next Page
Focus Area: Water Resources
Complete one course from each perspectives list; No course may count as both a Focus Area course and as a Triple Bottom Line course.

I. Social and Cultural Perspectives
__BIO 338: Environmental Ethics (preq. Jr., WRT 150) (I)
__HST 323: Michigan History

II. Physical and Life Science Perspectives
__BIO 107: Great Lakes and Other Water Resources
__BIO 215: General Ecology (preq. BIO 120 & 121, BIO 120 may be taken concurrently)
__GEO 105: Living with the Great Lakes (NS)

III. Political and Economic Perspectives
__GPY 345: Geography and Land Use Management of MI and the Great Lakes Area
__NRM 451: Natural Resource Policy (preq. Jr., completion of NS or permission) (I)
__OSH 414: Environmental Safety and Health Regulations

SYNTHESIS AND APPLICATION (5 credits)
___ENS 401: Environmental Problem Solving (Capstone) (3 cr.)
AND
___ENS 490: Internship
OR
___ENS 491: Practicum

COGNATE (Select from B.A. or B.S. Option)

□ B.A.
3rd semester proficiency in a foreign language
___201 Course
OR
___Pass Proficiency Exam

□ B.S.
Candidates for the B.S. must complete the following:
___STA 215: Introductory Applied Statistics (3 cr.)
And one of the following (3 cr.) (preq. STA 215 for all):
___AHS 301: Introduction to Health Care Research
___GPY 307: Introduction to Geographic Info Systems
___HST 290: Research Methods in History
___PLS 300 Political Analysis
And one of the following (3 cr.):
___GPY 370: Introduction to Remote Sensing
___GPY 407: Advanced GIS (4 cr.) (preq. GPY 307)
___STA 216: Intermediate Applied Statistics (preq. STA 215 or 312)
___STA 301: Questionnaire Design and Execution (preq. STA 215 or 312)
___STA 314: Statistical Quality Methods (preq. STA 215)
___STA 318: Statistical Computing (preq. STA 215)
___STA 340: Statistics in the Media (preq. STA 215)

This form is a planning tool and does not constitute an agreement regarding program requirements. It is imperative that you meet with an academic advisor early and often in your career.

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www.gvsu.edu/integrativelearning

TOTAL NUMBER OF CREDITS______________

7/10/19