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 (preq. 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 (preq. STA 215)
____GPY 370: Introduction to Remote Sensing
____ENS 305: Sustainability Assessment and Reporting (preq. ENS 201)
____NRM 250: Resource Measurement and Maps
____STA 301: Questionnaire Design and Execution (preq. STA 215 or 312)
____STA 311: Introduction To Survey Sampling (preq. STA 216)
____STA 341: Demographic Methods (preq. STA 215 or 312) and (STA 216 or an upper-level research methods course)
____WRT 200: Introduction to Professional Writing (preq. WRT 150)
____WRT 253: Document Production and Design (preq. WRT 150)
____WRT 350: Business Communication (preq. 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 (preq. Jr., WRT 150, and HP or US) (I, GP)
____ART 423: Animals in Art (preq. Jr.) (I) **pending**
____BIO 338: Environmental Ethics (preq. Jr., WRT 150)(I)
____ENG 382: Literature and the Environment (preq. 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
____GYP 100: Physical and Environmental Geography
____NRM 330: Environmental Pollution (preq. 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 (preq. Jr., ECO 200 or 211, Seidman permit) (I)
____GYP 361: People, Envir./Dev. in the Amazon (preq. Jr.) (I)
____LIB 322: Wicked Problems of Sustainability (preq. Jr.) (I)
____NRM 150: Introduction to Natural Resources
____NRM 451: Natural Resource Policy (preq. Jr., completion of NS or permission) (I)
____OSH 414: Environmental Safety and Health Regulations
____PA 307: Local Politics and Administration (preq. Jr.) (I)
____PLS/ENS 303: Introduction to U.S. Environmental Policy (preq. Jr.) (I)
____PLS 314: International Law (preq. 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

### Focus Area: Culture and the Built Environment
Complete one course from each perspectives list; No course may count as both a Focus Area course and as a Triple Bottom Line course.

<table>
<thead>
<tr>
<th>Perspectives</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Offered (I, GP)</th>
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</thead>
<tbody>
<tr>
<td>I. Social and Cultural Perspectives</td>
<td>ANT 340: Culture and Environment</td>
<td>(preq. Jr., WRT 150, and HP or US)</td>
<td>(I, GP)</td>
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<td>ENG 382: Literature and the Environment</td>
<td>(preq. Jr, WRT 150)</td>
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<td>GPY 410: Landscape Analysis and Green Infrastructure</td>
<td>(preq Jr.)</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</td>
<td>(SBS)</td>
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<td>WGS 335: Women, Health and the Environment</td>
<td>(preq. Jr.)</td>
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<td>II. Physical and Life Science Perspectives</td>
<td>EGR 306: Urban Sustainability</td>
<td>(preq. Jr., MTH 110)</td>
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<td>GPY 312: Urban and Regional Environmental Planning</td>
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<td>NRM 330: Environmental Pollution</td>
<td>(preq. CHM 109 or 116)</td>
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<td>GPY/PA 324: Urbanization</td>
<td>(preq. Jr.)</td>
<td>(I, GP)</td>
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<td>GPY 335: Globalization and Development</td>
<td>(preq. Jr.)</td>
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<td>GPY 361: People Environ. and Dev. in the Amazon</td>
<td>(preq. Jr.)</td>
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<td>HTM 368: Geotourism</td>
<td>(preq. Jr., HTM 202)</td>
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<td>SOC 351: Urban Sociology</td>
<td>(preq. Jr., SOC 101)</td>
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### Focus Area: Sustainable Food Systems
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.

| Requirement: Food Safety | HTM 201: Good Food Gone Bad- Food Safety for Everyone (OR) |
| | HTM 250: Food Production and Kitchen Management |

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<th>Offered (I, GP, SFS)</th>
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<tr>
<td>I. Social and Cultural Perspectives</td>
<td>ART 423: Animals in Art</td>
<td>(preq. Jr.)</td>
<td>(I)</td>
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<td>ENS 311: To Bee or Not to Bee; Honey Bees and Social Impact</td>
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<td>GPY 362 Farmers, Crops, and Our Challenging Ag. World</td>
<td>(preq. Jr.)</td>
<td>(I, GP, SFS)</td>
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<td>HNR 203: Food for Thought</td>
<td>(preq. Honors College, previous HNR course)</td>
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<td>LIB 342: Food Matters</td>
<td>(preq. Jr.)</td>
<td>(I, SFS)</td>
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<td>SOC 288: Sociology of Food</td>
<td>(SFS)</td>
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<td>II. Physical and Life Science Perspectives</td>
<td>BIO 319: Global Agricultural Sustainability</td>
<td>(preq. Jr., completion of gen. ed. Life Sc.)</td>
<td>(I, SFS)</td>
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<td>NRM 281: Principles of Soil Science</td>
<td>(preq. CHM 109 or CHM 115)</td>
<td>(SFS)</td>
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<td>III. Political and Economic Perspectives</td>
<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</td>
<td>(preq. Jr.)</td>
<td>(I)</td>
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Additional Focus Area Courses on the Next Page ——>
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.) (req. STA 215 for all):
   ___AHS 301: Introduction to Health Care Research
   ___GPY 307: Introduction to Geographic Info Systems
   (GPY 307 substitutes for GPY 300)
   ___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.) (req. GPY 307)
   ___STA 216: Intermediate Applied Statistics
   (req. STA 215 or 312)
   ___STA 301: Questionnaire Design and Execution
   (req. STA 215 or 312)
   ___STA 314: Statistical Quality Methods (req. STA 215)
   ___STA 318: Statistical Computing (req. STA 215)
   ___STA 340: Statistics in the Media (req. 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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brooksadvising@gvsu.edu
www.gvsu.edu/integrativelearning

TOTAL NUMBER OF CREDITS______________