MINOR IN SUSTAINABILITY

Students at GW come from around the world to connect to diverse ideas, cultures, and ways of life. The 18-credit minor in sustainability offers students a rigorous platform to examine critical sustainability issues and solutions. The program begins with Introduction to Sustainability, a team-taught course that equips students with a strong foundation in global sustainability principles and paradigms. Students build on this foundation by further investigating sustainability through the lenses of ecosystems, economies, communities, and practices. The capstone experience provides students with a structure for applying what they’ve learned through a semester-long research, service, and/or internship project. Students are empowered to consider the competing perspectives of stakeholders, the unintended consequences of decisions, and how interventions at different levels and scales affect systems and their component parts. Ultimately, students gain the tools necessary for creating healthy and thriving resource systems.

Requirements

All students in the minor program are required to take SUST 1001 Introduction to Sustainability; at least one course in each of four pillars (below); and at least 3 credits in an experiential learning course (below) selected from SUST 3094 Culminating Experience in Sustainability, SUST 3096 Research in Sustainability, or SUST 3097 Culminating Experience in Sustainability, acts as a capstone course for the minor.

At least 9 credits (3 courses)—e.g., SUST 1001, the student’s selected capstone course, and one selected pillar course—must be unique to the minor and cannot be double counted toward the requirements of any other major and/or minor program. The unique course requirement does not apply to SEAS students, who are governed by their school’s policy regarding unique/double counting course requirements with the minor program.

At least 6 credits (two courses) must be taken at the 2000 level or above. These courses could include the student’s selected capstone course and one of their selected pillar courses.

Pillars

• Pillar I: Sustainable Ecosystems–Earth Sciences and Public Health
• Pillar II: Sustainable Economies–Business, Markets, Technology, and Trade
• Pillar III: Sustainable Communities–Culture, Politics, and Society
• Pillar IV: Sustainable Practices–Leadership, Values, Norms, and Behaviors

Experiential Learning Experience

The experiential learning experience is required as a capstone for the minor. Students may enroll in SUST 3094, SUST 3096, or SUST 3097 to fulfill the requirement. Successful completion of SUST 1001 and approval of the instructor or program director are required prior to enrollment in the capstone course.

Each semester, GW departments and programs offer special topics courses that may fulfill the pillar requirement. Topics relevant to the concentration must be approved by the program director prior to enrollment. Consult the Schedule of Classes (https://my.gwu.edu/mod/pws/) for topics offered.

With prior approval of the program director, courses taken in study abroad programs may be used to fulfill one of the pillar requirements.

PILLAR I

Sustainable Ecosystems: Earth Sciences and Public Health Pillar

Required

One 3-credit course from this pillar must be selected as part of the minor program or if a course fits this pillar but is not listed, it can be approved by the program director. Also, the following list of course options does not include special topics courses, which also may count toward the minor with the prior approval of the program director. Topics relevant to the concentration must be approved by the program director prior to enrollment. Visit the sustainability minor website (http://sustainability.gwu.edu/sustainability-minor/) for current course offerings.

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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BISC 1005</td>
<td>The Biology of Nutrition and Health</td>
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<td>BISC 1006</td>
<td>The Ecology and Evolution of Organisms</td>
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<tr>
<td>BISC 1007</td>
<td>Food, Nutrition, and Service</td>
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<tr>
<td>BISC 1008</td>
<td>Understanding Organisms through Service Learning</td>
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<tr>
<td>BISC 2454</td>
<td>General Ecology</td>
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<tr>
<td>CHEM 2085</td>
<td>Environmental Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 3140</td>
<td>Geochemistry</td>
<td></td>
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<tr>
<td>GEOG 1002</td>
<td>Introduction to Physical Geography</td>
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<tr>
<td>GEOG 2134</td>
<td>Energy Resources</td>
<td></td>
</tr>
<tr>
<td>GEOG 2136</td>
<td>Water Resources</td>
<td></td>
</tr>
<tr>
<td>GEOG 2137</td>
<td>Environmental Hazards</td>
<td></td>
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</tbody>
</table>
PILLAR II

Sustainable Economies: Business, Markets, Technology, and Trade

Required

One 3-credit course from this pillar must be selected as part of the minor program or if a course fits this pillar but is not listed, it can be approved by the program director. Also, the following list of course options does not include special topics courses, which also may count toward the minor with the prior approval of the program director. Topics relevant to the concentration must be approved by the program director prior to enrollment. Visit the sustainability minor website (http://sustainability.gwu.edu/sustainability-minor/) for current course offerings.

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<tr>
<td>ECON 2151</td>
<td>Economic Development</td>
<td></td>
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<tr>
<td>ECON 2136</td>
<td>Environmental and Natural Resource Economics</td>
<td></td>
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<tr>
<td>ECON 2180</td>
<td>Survey of International Economics</td>
<td></td>
</tr>
<tr>
<td>GEOG 2148</td>
<td>Economic Geography</td>
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<tr>
<td>PSC 2439</td>
<td>International Political Economy</td>
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<tr>
<td>SUST 3003</td>
<td>World on a Plate</td>
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School of Engineering and Applied Science

CE 1020   Introduction to a Sustainable World
CE 2510   Environmental Sustainability
CE 3520   Environmental Engineering: Water Resources and Water Quality
CE 3521   Environmental Engineering Laboratory
CE 3604   Physical Hydrology
CE 4530   Wastewater Treatment Design and Reuse

School of Public Health and Health Services

PUBH 3132  Health and Environment
PUBH 3133  Global Health and Development
PUBH 3150  Sustainable Energy and Environmental Health

PILLAR III

Sustainable Communities: Culture, Politics, and Society Pillar

Required

One 3-credit course from this pillar must be selected as part of the minor program or if a course fits this pillar but is not listed, it can be approved by the program director. Also, the following list of course options does not include special topics courses, which also may count toward the minor with the prior approval of the program director. Topics relevant to the concentration must be approved by the program director prior to enrollment. Visit the sustainability minor website (http://sustainability.gwu.edu/sustainability-minor/) for current course offerings.

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<tbody>
<tr>
<td>AMST 2440</td>
<td>The American City</td>
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<tr>
<td>AMST 3810</td>
<td>Planning Cities</td>
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<tr>
<td>ANTH 3501</td>
<td>Anthropology of Development</td>
<td></td>
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<tr>
<td>ANTH 3502</td>
<td>Cultural Ecology</td>
<td></td>
</tr>
<tr>
<td>ANTH 3513</td>
<td>Anthropology of Human Rights</td>
<td></td>
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<tr>
<td>ANTH 3804</td>
<td>Origins of the State and Urban Society</td>
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</tr>
<tr>
<td>GEOG 2127</td>
<td>Population Geography</td>
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</tbody>
</table>
GEOG 2141  Cities in the Developing World
GEOG 3143  Urban Sustainability
GEOG 3143W Urban Sustainability
PHIL 2133  Philosophy and Nonviolence
PHIL 2134  Philosophy of Human Rights
PHIL 2281  Philosophy of the Environment
PPPA 2701  Sustainability and Environmental Policy
PSC 2240  Poverty, Welfare, and Work
PSC 2367  Human Rights
SOC 2169  Urban Sociology
SUST 2002  The Sustainable City
SUST 3002  Climate Change and Policy

School of Public Health and Health Services
EXNS 1114  Community Nutrition
PUBH 2114  Environment, Health, and Development

School of Engineering and Applied Science
CSCI 1030  Technology and Society
or CSCI 1030W Technology and Society

Columbian College of Arts and Sciences

PHIL 2133  Philosophy and Nonviolence
PHIL 2134  Philosophy of Human Rights
PHIL 2281  Philosophy of the Environment
PPPA 2701  Sustainability and Environmental Policy
PSC 2240  Poverty, Welfare, and Work
PSC 2367  Human Rights
SOC 2169  Urban Sociology
SUST 2002  The Sustainable City
SUST 3002  Climate Change and Policy

School of Engineering and Applied Science
CSCI 1030  Technology and Society
or CSCI 1030W Technology and Society

School of Business
MGT 3305  Human Capital Sustainability
ORSC 2116  Leading Change
ORSC 2123  Negotiation and Conflict Resolution
PSTD 1010  Introduction to Peace Studies and Conflict Resolution

School of Public Health
HLWL 1104  Outdoor and Environmental Education
PUBH 3151  Current Issues in Bioethics

PILLAR IV
Sustainable Practices: Leadership, Values, Norms, and Behaviors

Required
One 3-credit course from this pillar must be selected as part of the minor program or if a course fits this pillar but is not listed, it can be approved by the program director. Also, the following list of course options does not include special topics courses, which also may count toward the minor with the prior approval of the program director. Topics relevant to the concentration must be approved by the program director prior to enrollment. Visit the sustainability minor website (http://sustainability.gwu.edu/sustainability-minor/) for current course offerings.

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<tr>
<td>ANTH 3407</td>
<td>Conservation in a Changing World: Human and Animal Behavior</td>
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