ENERGY AND SUSTAINABILITY POLICY, B.S.

Begin Campus: World Campus
End Campus: World Campus

Degree Requirements
For the Bachelor of Science degree in Energy and Sustainability Policy, a minimum of 120 credits is required:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>11</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>89</td>
</tr>
</tbody>
</table>

25 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 6 credits of GN courses, 9 credits of GWS courses, 4 credits of GQ courses, and 6 credits of GS courses.

General Education
Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all baccalaureate students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (https://bulletins.psu.edu/undergraduate/general-education/baccalaureate-degree-general-education-program/) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required.)
- Quantification (GQ): 6 credits
- Writing and Speaking (GWS): 9 credits

Knowledge Domains
- Arts (GA): 6 credits
- Health and Wellness (GHW): 3 credits
- Humanities (GH): 6 credits
- Social and Behavioral Sciences (GS): 6 credits
- Natural Sciences (GN): 9 credits

Integrative Studies (may also complete a Knowledge Domain requirement)
- Inter-Domain or Approved Linked Courses: 6 credits

University Degree Requirements
First Year Engagement
All students enrolled in a college or the Division of Undergraduate Studies at University Park, and the World Campus are required to take 1 to 3 credits of the First-Year Seminar, as specified by their college First-Year Engagement Plan.

Other Penn State colleges and campuses may require the First-Year Seminar; colleges and campuses that do not require a First-Year Seminar provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult their academic adviser for these requirements.

Cultures Requirement
6 credits are required and may satisfy other requirements
- United States Cultures: 3 credits
- International Cultures: 3 credits

Writing Across the Curriculum
3 credits required from the college of graduation and likely prescribed as part of major requirements.

Total Minimum Credits
A minimum of 120 degree credits must be earned for a baccalaureate degree. The requirements for some programs may exceed 120 credits. Students should consult with their college or department adviser for information on specific credit requirements.

Quality of Work
Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

Limitations on Source and Time for Credit Acquisition
The college dean or campus chancellor and program faculty may require up to 24 credits of course work in the major to be taken at the location or in the college or program where the degree is earned. Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80)). For more information, check the Suggested Academic Plan for your intended program.

Requirements for the Major
To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prescribed Courses</td>
<td></td>
</tr>
<tr>
<td>CAS 100</td>
<td>Effective Speech</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Introductory Microeconomic Analysis and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 104</td>
<td>Introductory Macroeconomic Analysis and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 120</td>
<td>Oil: International Evolution</td>
<td>3</td>
</tr>
<tr>
<td>EEE 401</td>
<td>Energy in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>EMSC 240N</td>
<td>Energy and Sustainability in Contemporary Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 15</td>
<td>Rhetoric and Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 202D</td>
<td>Effective Writing: Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 1</td>
<td>American Politics: Principles, Processes and Powers</td>
<td>3</td>
</tr>
</tbody>
</table>

Prescribed Courses: Require a grade of C or better

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<thead>
<tr>
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<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EBF 200</td>
<td>Introduction to Energy and Earth Sciences</td>
<td>3</td>
</tr>
<tr>
<td>EGEE 102</td>
<td>Energy Conservation for Environmental Protection</td>
<td>3</td>
</tr>
</tbody>
</table>
### Energy and Sustainability Policy, B.S.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME/GEOG 432</td>
<td>Energy Policy</td>
<td>3</td>
</tr>
<tr>
<td>EME 444</td>
<td>Global Energy Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>EME 466</td>
<td>Energy and Sustainability in Society</td>
<td>3</td>
</tr>
<tr>
<td>EMSC 302</td>
<td>Orientation to Energy and Sustainability Policy</td>
<td>1</td>
</tr>
<tr>
<td>GEOG 30N</td>
<td>Environment and Society in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 438W</td>
<td>Human Dimensions of Global Warming</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 469</td>
<td>Energy Industry Applications of GIS</td>
<td>3</td>
</tr>
<tr>
<td>METEO 469</td>
<td>From Meteorology to Mitigation: Understanding Global Warming</td>
<td>3</td>
</tr>
<tr>
<td>PLSC 490</td>
<td>Policy Making and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>STAT 200</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Additional Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGEE 299</td>
<td>Foreign Studies</td>
<td>3</td>
</tr>
<tr>
<td>or EGEE 495</td>
<td>Internship</td>
<td></td>
</tr>
<tr>
<td>METEO 3</td>
<td>Weather Revealed: Introductory Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>or METEO 101</td>
<td>Understanding Weather Forecasting</td>
<td></td>
</tr>
</tbody>
</table>

#### Supporting Courses and Related Areas

- Select 6 credits in ENERGY AND SCIENCE from an approved list or in consultation with adviser 6 credits
- Select 6 credits in ANALYSIS AND TECHNOLOGY from an approved list or in consultation with adviser 6 credits
- Select 6 credits in BUSINESS AND MANAGEMENT from an approved list or in consultation with adviser 6 credits
- Select 3 credits in ETHICS, LEADERSHIP AND COMMUNICATION from an approved list or in consultation with adviser 3 credits