GRADUATE CERTIFICATE IN ENVIRONMENTAL AND ENERGY SYSTEMS MANAGEMENT

Offered through the Department of Engineering Management and Systems Engineering, the graduate certificate in environmental and energy systems management is designed to help students understand and implement environmental and energy management standards, such as ISO 14000 and 50000 series, within organizations worldwide.

The program is especially suited for working professionals in need of specialized knowledge of the standards, techniques and testing of environmental and energy systems.

All courses are held in-person on GW's main campus in the Foggy Bottom neighborhood of Washington, D.C. Courses are typically held in the late afternoon or early evening to accommodate working professionals.

Visit the program website (https://graduate.seas.gwu.edu/environmental-and-energy-systems-management/) for more information.

ADMISSIONS

Admission deadlines:  
- Fall - January 15
- Spring - September 1
- Summer - March 1

Standardized test scores

The Test of English as a Foreign Language (TOEFL), the Academic International English Language Testing System (IELTS), or the PTE Academic is required of all applicants except those who hold a bachelor’s, master’s, or doctoral degree from a college or university in the United States or from an institution located in a country in which English is the official language, provided English was the language of instruction.

Minimum scores:
- Academic IELTS: an overall band score of 6.0 with no individual score below 5.0; applicants requesting funding consideration must have an overall band score of 7.0 with no individual score below 6.0; or
- TOEFL: 550 on paper-based or 80 on Internet-based; applicants requesting funding consideration must have 600 on paper-based; or 100 on Internet-based; or
- PTE Academic: 53; applicants requesting funding consideration must have 68.

Applicants with lower test scores may qualify for our full-time Applied English Studies program.
**Prior academic records:**

Transcripts are required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Unofficial transcripts from all colleges and universities attended must be uploaded to your online application. Official transcripts are required only of applicants who are offered admission. If academic records are in a language other than English, a copy in the original language and an English language translation must be uploaded. Transcript evaluations should not be uploaded. Applicants with degrees from Indian universities should upload transcripts and/or detailed marksheets.

Applicants should possess an undergraduate degree in engineering, the physical sciences, or applied mathematics.

**Statement of purpose:**

In an essay of 250 to 500 words, state your purpose in undertaking graduate study at The George Washington University; describe your academic objectives, research interests, and career plans; and discuss your related qualifications, including collegiate, professional, and community activities, and any other substantial accomplishments not already mentioned.

**International applicants only:** International applicants requiring a visa from GW are not eligible to apply for admission to this program.

**For more information on the admission process,** please visit the SEAS Frequently Asked Questions page. (http://graduate.seas.gwu.edu/apply/faq/)

**Contact for questions:**

engineering@gwu.edu - 202-994-1802 (phone) - 202-994-1651 (fax)

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### REQUIREMENTS

The following requirements must be fulfilled: 18 credits in required courses.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EMSE 6220</td>
<td>Environmental Management</td>
<td></td>
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<tr>
<td>EMSE 6245</td>
<td>Analytical Tools for Environmental Management</td>
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<tr>
<td>EMSE 6260</td>
<td>Energy Management</td>
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<tr>
<td>EMSE 6285</td>
<td>Analytical Tools for Energy Management</td>
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<tr>
<td>EMSE 6992</td>
<td>Special Topics (Beyond Compliance: Next Generation Environmental Self-governance)</td>
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<tr>
<td>EMSE 6992</td>
<td>Special Topics (Global Connections: Standards in Technology, Business &amp; Public Policy)</td>
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9:00 – 5:00 pm, Monday through Friday