

GRADUATE CERTIFICATE IN ENERGY ENGINEERING AND MANAGEMENT

Students in the graduate certificate program in energy engineering and management learn about alternative energy generation and energy resources management, and open up new opportunities in a rapidly growing job sector as energy auditors, energy analysts, energy project managers and related positions. Students explore the latest information in energy efficient building design, microgrid, renewable energy development and advanced materials research while learning the economics of energy, the art of managing energy projects, and analytical methods of analyzing the viability and feasibility of energy projects.

ADMISSIONS

Admission deadlines:

Fall - January 15
Spring - September 1
Summer - March 1

Standardized test scores

The Graduate Record Examination (GRE) is required of all applicants. (Institution code 5246).

The Test of English as a Foreign Language (TOEFL) or the academic International English Language Testing System (IELTS) 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
- 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
- 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:

Please review International Applicant Information (<http://graduate.admissions.gwu.edu/international-applicants/>) carefully for details on required documents, earlier deadlines for applicants requiring an I-20 or DS-2019 from GW.

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

Contact for questions:

engineering@gwu.edu - 202.994.1802 - 202.994.1651 (fax)
9:00 - 5:00 pm, Monday through Friday
Skype: GW Engineering

REQUIREMENTS

The following requirements must be fulfilled: 12 credits in required courses.

Code	Title	Credits
Required		
EMSE 6260	Energy Management	
EMSE 6285	Analytical Tools for Energy Management	
MAE 6262	Energy Systems Analysis	
MAE 6263	Energy and Sustainability	