MASTER OF ENGINEERING IN THE FIELD OF REGULATORY BIOMEDICAL ENGINEERING

The master of engineering in regulatory biomedical engineering is an online, 21-month program offered between the Department of Biomedical Engineering and the School of Medicine Health Sciences regulatory affairs program. The program is designed for students interested in medical device innovation, and translation of biomedical discoveries to clinical device therapies and diagnostics within the biomedical industry, government, NGOs, and academia. In a cohort setting, the students develop skills in biomedical engineering, product quality, manufacturing, medical device regulations and policy, compliance, and regulatory strategies to identify and create solutions for unmet clinical needs.

Visit the program website (https://www.bme.seas.gwu.edu/master-engineering-regulatory-biomedical-engineering/) for additional information.

ADMISSIONS

Admission deadlines:
- Fall - January 15
- Spring - September 1
- Summer - March 1 (non-F1 visa seeking applicants)

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), 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:
  - TOEFL: 550 on paper-based or 80 on Internet-based;
  - Academic IELTS: an overall band score of 6.0 with no individual score below 5.0;
  - PTE Academic: 53.

Recommendations required:
- Two (2) recommendations required. If possible, one recommendation should be from your advisor at the institution from which you earned your highest degree.

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 who have earned a degree from an Indian university are required to submit individual semester marksheets.

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 (https://graduate.admissions.gwu.edu/international-student-application-requirements/) 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/apply/faq/)

Contact for questions:
engineering@gwu.edu - 202-994-1802 (phone) - 202-994-1651 (fax)
9:00 – 5:00 pm, Monday through Friday

REQUIREMENTS

The following requirements must be fulfilled: 30 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>BME 6045</td>
<td>Special Topics (Medical Device Evaluation)</td>
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<tr>
<td>BME 6481</td>
<td>Regulatory Law for Medical Devices</td>
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1. Modified
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
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<tbody>
<tr>
<td>RAFF 6201</td>
<td>Introduction to Global Regulatory Affairs ¹</td>
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<tr>
<td>RAFF 6203</td>
<td>Regulatory Device Diagnostics</td>
<td></td>
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<tr>
<td>RAFF 6205</td>
<td>Regulatory Affairs Compliance ²</td>
<td></td>
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<tr>
<td>BME 4482</td>
<td>Medical Measurements ²</td>
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<tr>
<td>BME 6045</td>
<td>Special Topics (Regulation of Medical Device Software and IT) ²</td>
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<td>BME 6483</td>
<td>Medical Instrumentation Design</td>
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<td>BME 6994</td>
<td>Biomedical Engineering Regulatory Practicum I</td>
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<tr>
<td>BME 6995</td>
<td>Biomedical Engineering Regulatory Practicum II</td>
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Certificate in medical device regulation and evaluation

Students in the MEng program who successfully complete the first five courses (15 credits) of the required curriculum qualify for the certificate in medical device regulation and evaluation. The five courses should be taken in the semester order noted below. If a student does not complete all remaining requirements for the MEng, the certificate may be received independent of the master’s degree. ¹

¹Taken in the first semester (fall)
²Taken in the second semester (spring)