MASTER OF SCIENCE IN THE FIELD OF BIOMEDICAL ENGINEERING

The degree of master of science in the field of biomedical engineering degree program is designed to prepare students to apply engineering principles to problems in medicine and biology, to understand and model multiple attributes of living systems, and to synthesize biomedical systems and devices. Students choose between two areas of focus: medical imaging or medical instrumentation. Thesis and non-thesis options are available. The program is offered on GW's main campus in Foggy Bottom, where the School of Engineering and Applied Science (http://www.seas.gwu.edu), the School of Medicine and Health Sciences (http://smhs.gwu.edu), and GW Hospital (http://www.gwhospital.com) are separated by one city block.

Specific admission requirements are shown on the Graduate Program Finder (http://www.gwu.edu/all-graduate-programs).

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

REQUIREMENTS

The following requirements must be fulfilled: 30 credits, as outlined below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BME 6065</td>
<td>Colloquium</td>
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<tr>
<td>BME 6482</td>
<td>Medical Measurements</td>
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<tr>
<td>BME 6484</td>
<td>Biomedical Signal Analysis</td>
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</tbody>
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Three of the following:

- BME 4830 Introduction to Medical Imaging Methods
- BME 6842 Image Engineering
- BME 6483 Medical Instrumentation Design
- BME 6485 Medical Imaging I
- BME 6486 Clinical Medicine for Engineers
- BME 6487 Rehabilitation Medicine Engineering
- BME 8484 Medical Imaging II: Image Analysis

5 additional courses approved by the academic advisor, which may include additional courses from above.