DOCTOR OF ENGINEERING IN THE FIELD OF ENGINEERING MANAGEMENT

The Doctor of Engineering (D.Eng.) in the field of Engineering Management (EM) is designed for students who seek a practice- or praxis-oriented doctoral degree. Such students typically have professional needs that the traditional Ph.D. degree does not meet. The D.Eng. (EM) focuses on solutions to real-world problems. Unlike the Ph.D., for which fundamental research leads to foundational work that is published and contributes to the basic understanding of a field, the D.Eng. (EM) is applied, not basic research.

In a broad-based program of study, the D.Eng. (EM) course work culminates in the student’s production of a praxis for use by practicing engineers. The D.Eng. (EM) is ideal for individuals doing advanced engineering in the workplace, who want to update their knowledge with cutting-edge techniques from the engineering disciplines, and cap it with a formal degree that recognizes their contributions to the field.

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

Visit the program website (http://emse.offcampus.gwu.edu/doctor-engineering-degree-program) for additional information.

REQUIREMENTS

The following requirements must be fulfilled: 45 credits, including 30 credits in required courses and 15 credits in research culminating in a practice-based case study.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td></td>
<td><strong>Required</strong></td>
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<tr>
<td>EMSE 6115</td>
<td>Uncertainty Analysis for Engineers</td>
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<td>EMSE 6992</td>
<td>Special Topics (Quantitative Methods for Engineering Managers)</td>
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<td>At least 6 credits of EMSE analytical methods courses selected in consultation with advisor.</td>
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<td>At least 9 credits of EMSE engineering management courses selected in consultation with advisor.</td>
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<td><strong>Electives</strong></td>
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<td>EMSE 6992</td>
<td>Special Topics (Research Methods for the Praxis)</td>
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*Students must complete the praxis proposal examination by preparing and defending their proposal before a committee of at least two full-time SEAS faculty members and one outside advisor external to the faculty.*