Doctor of Engineering
in the field of
Engineering Management

Information Session
Thursday, May 25th

Classes Begin
August 2023

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Professor of Engineering Management and Systems Engineering
Director, Online Engineering Programs
Information Session Agenda

✓ Overview of The George Washington University

✓ Doctor of Engineering (D.Eng.) in Engineering Management
  • Overview
  • Academic Requirements
  • Application Information

✓ Q & A Session
The George Washington University

- Chartered in 1821 by an Act of Congress
- 10 colleges and schools, including the School of Engineering & Applied Science
- More than 15,000 graduate students
- Alumni network of over 300,000 living alumni in over 130 countries
- Accredited by the Middle States Commission on Higher Education
- GW’s Online Graduate Engineering Programs ranked #12 by US News
Our Online Program

- Online classes meet synchronously via Zoom and are recorded for viewing during the semester
- Supported by Blackboard, GW’s web-based course management software
- Exams are taken through a secure testing platform
- The degree and diploma are identical to that of the main campus
Doctor of Engineering

Engineering Management

Engineering Management (EM) bridges the gap between engineering and management. EM enables engineers to work most effectively in the business environment. Candidates specialize in such areas as management of technology, product and process, quality, organizational management, operations management, program management, marketing and finance.
Program Overview

• Classroom Phase (24 credit hours)
  • 8 graduate-level, 3-credit-hour courses

• Research Phase (24 credit hours)
  • Culminates in Praxis defense

• Total of 48 credit hours

• Program Begins: August 2023

• Target Graduation Date: August 2025
Schedules, regulations and policies subject to change; course substitution in the curriculum is usual and should be expected.
## Calendar

<table>
<thead>
<tr>
<th>Session</th>
<th>#Courses</th>
<th>#Credit Hours</th>
<th>Session Dates</th>
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<tbody>
<tr>
<td>Fall-1 2023</td>
<td>2</td>
<td>6</td>
<td>August 12 — October 14, 2023</td>
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<tr>
<td>Fall-2 2023</td>
<td>2</td>
<td>6</td>
<td>October 28, 2023 — January 20, 2024</td>
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<tr>
<td>Spring-1 2024</td>
<td>2</td>
<td>6</td>
<td>February 3 — April 6, 2024</td>
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<tr>
<td>Spring-2 2024</td>
<td>2</td>
<td>6</td>
<td>April 20 – June 29, 2024</td>
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*No classes on Thanksgiving, Christmas, New Year, and Memorial Day Weekends*

- 2 courses per session
- Each session has 10 class meetings
- Classes meet on Saturdays
  - Morning Class 9:00a-12:00p (Eastern)
  - Afternoon Class 1:00p-4:00p (Eastern)
Coursework Phase

Successful completion of the classroom phase required a GPA of 3.2 or higher, and no grade below B-. 

<table>
<thead>
<tr>
<th>Grade</th>
<th>GPA Pts</th>
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<tbody>
<tr>
<td>A</td>
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<tr>
<td>A-</td>
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<tr>
<td>B+</td>
<td>3.3</td>
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<tr>
<td>B</td>
<td>3</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
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Research Phase

• Research course EMSE 8199 Praxis Research
  • Session I: Summer 2024, 3 credit hours
  • Session II: Fall 2024, 9 credit hours
  • Session III: Spring 2025, 9 credit hours
  • Session IV: Summer 2025, 3 credit hours

• Praxis Research
  • Minimum half-hour individual research meetings initially every other week
  • During this stage, students will develop and write a praxis
  • Praxis defenses are scheduled for the end of the final semester of research
**Praxis Research Areas:**

Sample Praxis Titles from Previously Published D.Eng. in Engineering Management Praxis Papers

- A Technology Maturity Assessment of Sustainment-Dominated Systems under the Influence of Obsolescence
- A Generalized Approach to Measure and Predict Innovation Maturity Progression Aligned to Business Objectives
- Reducing Time and Cost Overruns for Aerospace Development Programs Using Precedence Networks Patterns
- Identifying and Overcoming the Barriers to Cloud Adoption within the Government Space
- A Decision Support Tool for Designing Energy-efficient Residential Buildings at the Early Planning and Design Stage
Admissions Requirements

• Bachelor’s and master’s degrees in engineering, applied science, mathematics, computer science, information technology or related field from accredited institutions

• A minimum graduate level GPA of 3.2

• Relevant professional experience

• A minimum of two college-level calculus courses
  • Applicants who do not have a grade of C or better in two calculus courses but are otherwise qualified for admission will required to take an additional course EMSE 4197
  • Offered July 1 – August 5, 2023 on Tuesday (6:30-9:30pm) and Saturday (9am – 12noon). Class on July 5th in lieu of July 4th.
Application Process

Online Application Form, available at:
https://seasonline.gwu.edu/apply/deng-em/

Official Academic Transcripts:

- Send Electronic Transcripts to seasdeng@gwu.edu

- Send Paper Transcripts to Online Engineering Programs Office
  The George Washington University
  170 Newport Center Drive, Suite 260
  Newport Beach, CA 92660

*All Official Transcripts must be sent directly from the institution*

All submitted materials remain property of GW Online Engineering Programs
Parchment Transcripts

Send transcripts to this address to ensure receipt

Set Delivery Destination

Your order will be sent from The George Washington University (Registrar's Office) to the individual and/or organization at the destination below.

seasdeng@gwu.edu

George Washington University - Online Engineering Programs
Newport Beach, CA, US

George Washington University
ENGINEERING Graduate Admissions (on-campus ENGINEERING only)
Washington, DC, US

Not finding what you're looking for?
Final Application Deadline: **June 15, 2023**
Admitted Students

- Admission decisions are communicated via email.
- Admitted applicants must return a reply card and a non-refundable tuition deposit of $995 (applied to the first session’s tuition) in order to secure their slot in the cohort.
- Tuition is $1,625 per credit
Contact Information

SEAS Online Programs Office
Shahram Sarkani, Ph.D., P.E., Director
Thomas A. Mazzuchi, D.Sc., Co-Director

- **Admissions Team**
  - seasdeng@gwu.edu
  - Tel: 833-330-1454

- **Doctoral Administrative Team**
  - seasdoc@gwu.edu

- **Online Technical Support Team**
  - seasonline@gwu.edu
  - Tel: 202-422-2806
Answers to Frequently Asked Questions

• Transfer credit is not allowed toward doctoral programs.
• Students should expect to spend approximately 20 hours a week on coursework/research, including class attendance.
• Your research topic will be finalized during your last session (EMSE 8100 – The Praxis Proposal)
• Your research advisor will be assigned by the Online Engineering Programs Office after the successful completion of your coursework.
Any Questions?

To protect your privacy, questions regarding individuals’ specific application, degrees, background, or experience will not be answered during this Q&A session.