

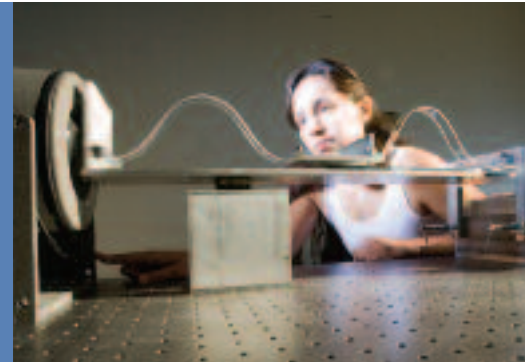
Duke

competitive advantage:
technology
business
law

Master of Engineering Management Program

TECHNICAL ELECTIVES

Duke's Master of Engineering Management Program allows students to customize their degree by choosing from a wide range of technical electives in a variety of disciplines. Our most popular electives are listed below, but students may select courses in other areas, such as physics, chemistry, computer science, or statistics/decision science.



Popular Engineering Management Electives

- ▶ **EGRMGMT 532:** Advanced Finance for Technology-Based Companies
- ▶ **EGRMGMT 556:** Industrial Practicum
- ▶ **EGRMGMT 560:** Engineering Project Management
- ▶ **EGRMGMT 562:** Operations Management
- ▶ **EGRMGMT 563:** Supply Chain Management
- ▶ **EGRMGMT 574:** Commercializing Technology Innovations
- ▶ **EGRMGMT 580:** Decision Models
- ▶ **EGRMGMT 584:** Advanced Engineering Systems Optimization and Simulation
- ▶ **EGRMGMT 590.XX:** Advanced Topics in Financial Engineering
- ▶ **EGRMGMT 590.XX:** Competitive Strategies
- ▶ **EGRMGMT 590.XX:** Computational Finance
- ▶ **EGRMGMT 590.XX:** Data Mining
- ▶ **EGRMGMT 590.XX:** Designing Customer Experiences
- ▶ **EGRMGMT 590.XX:** Engineering Entrepreneurship
- ▶ **EGRMGMT 590.XX:** Innovation Management in Technical Organizations
- ▶ **EGRMGMT 590.XX:** Intellectual Asset Management
- ▶ **EGRMGMT 590.XX:** Managing Product Development
- ▶ **EGRMGMT 590.XX:** Managing Strategy and Innovations for Services
- ▶ **EGRMGMT 590.XX:** Marketing Essentials for Early-Stage Technologies & Products
- ▶ **EGRMGMT 590.XX:** Product Management in a High-Tech Company

Popular Fuqua School of Business Electives*

- ▶ **ACCOUNTG 598:** Valuation and Fundamental Analysis
- ▶ **DECISION 614:** Forecasting
- ▶ **ENERGYENV 627:** Business Strategies for Sustainability
- ▶ **FINANCE 654:** Advanced Corporate Finance
- ▶ **MANAGEMENT 738:** Managing Innovation in a Global Organization
- ▶ **MGRECON 784:** Game Theory
- ▶ **OPERATNS 823:** Operations Strategy
- ▶ **STRATEGY 848:** New Ventures Series

* Courses may not be available all semesters. Space-available basis with instructor consent.

Popular Engineering Electives

BIOMEDICAL ENGINEERING

- ▶ **BME 525:** Biomedical Materials and Artificial Organs
- ▶ **BME 577:** Drug Delivery
- ▶ **BME 578:** Tissue Engineering

CIVIL AND ENVIRONMENTAL ENGINEERING

- ▶ **CEE 647:** Buckling of Engineering Structures
- ▶ **CEE 562:** Biological Processes in Environmental Engineering
- ▶ **CEE 684:** Physical Hydrology and Hydrometeorology

ELECTRICAL AND COMPUTER ENGINEERING

- ▶ **ECE 538:** VLSI System Testing
- ▶ **ECE 582:** Digital Signal Processing
- ▶ **ECE 675:** Optical Imaging and Spectroscopy

MECHANICAL ENGINEERING

- ▶ **ME 571:** Aerodynamics
- ▶ **ME 572:** Engineering Acoustics
- ▶ **ME 775:** Aeroelasticity

ELECTIVE SPOTLIGHT

*Students learn to think more broadly about innovation and commercialization options and strategies in **EGRMGMT 574: Commercializing Technology Innovations: Turning Visions into Value**, a course designed to demystify the journey from idea creation to value extraction.*