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: Computational Strategies
- 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: Leading Multi-Functional Teams in Tech-Based Companies
- EGRMGMT 590.XX: Managing Product Development
- EGRMGMT 590.XX: Managing Strategy and Innovations for Services

### Popular Fuqua School of Business Electives*

- ACCOUNTG 598: Valuation and Fundamental Analysis
- DECISION 614: Forecasting
- FINANCE 647: Investment
- HLTBMB 517: Healthcare Systems and Policy
- MARKETING 799: Product Management
- OPERATIONS 823: Operations Strategy
- STRATEGY 898: New Ventures 1-3

* 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 542: Principles of Ultrasound Imaging
  - HLTHMGMT 712/BME 787: Medical Device Commercialization

- **CIVIL AND ENVIRONMENTAL ENGINEERING**
  - CEE 502: Engineering Data Analysis
  - CEE 562: Biological Processes in Environmental Engineering
  - CEE 684: Physical Hydrology and Hydrometeorology

- **ELECTRICAL AND COMPUTER ENGINEERING**
  - ECE 520: Digital Integrated Circuits
  - ECE 538: VLSI System Testing
  - ECE 675: Optical Imaging and Spectroscopy

- **MECHANICAL ENGINEERING**
  - ME 545: Robot Control and Automation
  - ME 546: Intelligent Systems
  - ME 571: Aerodynamics

### Elective Spotlights

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.

The interdisciplinary team-based HLTHMGMT 712/BME 787: Medical Device Commercialization examines the medical device landscape as it pertains to business, engineering, and medicine, providing core tools in product design and development.