QUEST

CURRICULUM AND COURSEWORK

Information for
Cohorts 28 and below
QUEST’s 5 Course Curriculum

Three Required Courses
These courses are required for all QUEST students and are cohort-based courses
- BMGT/ENES 190H: Introduction to Design and Quality (4 credits)
- BMGT/ENES 390H: Systems Thinking for Managerial Decision Making (3 credits)
- BMGT/ENES 490H: QUEST Consulting and Innovation Practicum (4 credits)

Two Elective Courses*
QUEST students take any two of the approved electives from the below list of courses:
- BMGT/ENES 397: Mentoring Design and Quality Teams
- BMGT438A/ENES 489A: Applied Quantitative Analysis
- BMGT 438G/ENES 489Q: Design and Innovation in Silicon Valley
- BMGT 438Q/BMGT 438K/BMGT 438L: Doing Business in Asia
- BMGT/ENES 491: Defining Consulting and Innovation Projects

Other electives
- BIOE 485: Capstone Design I Entrepreneurship, Regulatory Issues, and Ethics
- BMGT 332: Operations Research for Management Decisions
- BMGT 352: Customer Centric Innovation
- BMGT 385: Operations Management
- BMGT 403: Systems Analysis and Design
- BMGT 434: Introduction to Optimization
- BMGT 452: Marketing Research Methods
- BMGT 485: Project Management
- BMGT 487: Six Sigma Strategy and Methods
- BMGT498L: Innovo Consulting Practicum: Transform Learning
- CMSC 320: Introduction to Data Science
- CMSC 434: Introduction to Human-Computer Interaction
- CMSC 435: Software Engineering
- CMSC 436: Programming Handheld Systems
- ENCE 320: Introduction to Project Management
- ENEE 408G: Multimedia Signal Processing
- ENEE 605: Design and Fabrication of Micro-Electro-Mechanical Systems
- ENES 460: Fundamentals of Technology Start-Up Ventures
- ENES 462: Marketing High-Technology Products and Innovations
- ENES 489P: Hands-On Systems Engineering Projects
- ENME 371: Product Engineering and Manufacturing
- ENME 421: Engineering Design Ideation
- ENME 426: Production Management
- ENME 464: Cost Analysis for Engineers
- ENME 466: Lean Six Sigma
- ENME 489Q: Managing for Innovation and Quality

*This list is current as of Summer 2017 and is subject to change. Students are welcome to nominate other courses to be added to the list; the QUEST Curriculum Review Committee will review and approve nominations. To nominate a course, please contact Dr. Jeffrey Herrmann at jwh2@umd.edu.

**If interested in viewing any of the syllabi for the courses above, please contact Dr. Jeffrey Herrmann at jwh2@umd.edu.