QUEST

CURRICULUM AND COURSEWORK

Information for Current and Prospective Students
The QUEST Curriculum
Students in QUEST participate in curricular and co-curricular programming. Both classroom and outside of the classroom learning are instrumental in helping undergraduates to develop and improve their professional and personal capabilities.

QUEST 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:

QUEST-only electives
BMGT/ENES 397: Mentoring Design and Quality Teams
BMGT438A/ENES 478A: Applied Quantitative Analysis
BMGT 438G/ENES 489Q: Design and Innovation in Silicon Valley
BMGT 438Q: 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
BMGT408D: Emerging Topics in Information Systems; Google Challenge and Analytics
BMGT 434: Introduction to Optimization
BMGT 452: Marketing Research Methods
BMGT 485: Project Management
BMGT 487: Six Sigma Strategy and Methods
CHBE 444: Process Engineering Economics and Design I
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
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 466: Lean Six Sigma
ENME 489Q: Managing for Innovation and Quality

*This list is current as of Spring 2016 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.
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<th>QUEST Course Plan by Cohort</th>
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