



How does QUEST fit into my major?
Cohorts 29 & 30

Table of Contents

QUEST Policies and How to use this Guide	p. 3
Accounting.....	p. 4
Aerospace Engineering.....	p. 6
Bioengineering*	p. 8
Business Management.....	p. 10
Civil Engineering.....	p. 12
Chemical Engineering.....	p. 14
Computer Engineering.....	p. 16
Computer Science.....	p. 18
Electrical Engineering.....	p. 20
Finance.....	p. 22
Fire Protection Engineering.....	p. 24
Information Systems.....	p. 26
International Business.....	p. 28
Marketing.....	p. 30
Materials Science Engineering*	p. 32
Mathematics.....	p. 34
Mechanical Engineering.....	p. 36
Operations Management.....	p. 38
Physics*	p. 40
Statistics.....	p. 42
Supply Chain Management.....	p. 44

All information in this document was obtained from academic advisors in each of the departments in Fall 2016.

*Unable to obtain major requirement information from this department, please be sure to consult with your advisor if you have questions.

QUEST POLICIES

- QUEST students must maintain enrollment in a major offered by The Robert H. Smith School of Business, The A. James Clark School of Engineering, and/or The College of Computer, Mathematical, and Natural Sciences throughout their time in the QUEST program.
- As the QUEST program is cohort-based, students must stick with their cohort throughout their time in the program. Students are unable to take classes with other cohorts. For a timeline of QUEST courses by cohort, [click here](#). For a complete overview of QUEST's cohort policies and policies for students who drop QUEST, [click here](#).
- Current students must submit their updated QUEST course plan online at the beginning of each semester. Click here for [curriculum](#) information. Please note that you must fulfill the data analysis elective requirement **before taking BMGT/ENES490H**.
- Students must complete their junior interview during their gap semester in QUEST.

How to use this Guide:

Scroll to the page of your respective major. You will find all QUEST courses listed here – including the required curriculum and a list of all approved electives. To see if any courses overlap with requirements or electives in your major, look under the major requirements section.

For example, if you are a civil engineering major and decide to take ENCE320: Introduction to Product Management, this will count as your non-data analysis QUEST elective but will also count as a Tech Elective towards your civil engineering degree. **Note that some majors do not have any overlap with any of the QUEST curriculum.**

Also note that BMGT/ENES190H and BMGT/ENES490H, two required QUEST courses, count as Distributive Studies - Scholarship in Practice (DSSP) courses that can be used to fulfill part of your general education requirements.

ACCOUNTING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Upper Level Elective
BMGT431	Data Analytics	3	Upper Level Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Upper Level Elective
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Upper Level Elective
BMGT352	Customer Centric Innovation	3	Upper Level Elective
BMGT385	Operations Management	3	Upper Level Elective
BMGT434	Introduction to Optimization	3	Upper Level

			Elective
BMGT485	Project Management	3	Upper Level Elective
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Elective
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective
ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective

AEROSPACE ENGINEERING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
	Data Analysis Elective (required to take at least 1)		
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	*may request to use this as a Tech Elective; need to submit form to AE department
	Other elective options		
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	*may request to use this as a Tech Elective; need to submit form to AE

			department
CMSC434	Introduction to Human-Computer Interaction	3	*may request to use this as a Tech Elective; need to submit form to AE department
CMSC435	Software Engineering	3	*may request to use this as a Tech Elective; need to submit form to AE department
CMSC436	Programming Handheld Systems	3	*may request to use this as a Tech Elective; need to submit form to AE department
ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	Approved Non-ENAE Technical Elective
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

BIOENGINEERING

***No information was obtained for bioengineering, please consult with your academic advisor about any overlap between your major courses or electives and QUEST classes**

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	

ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

BUSINESS MANAGEMENT

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Upper Level Elective
BMGT431	Data Analytics	3	Upper Level Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Upper Level Elective
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Upper Level Elective
BMGT352	Customer Centric Innovation	3	Upper Level Elective
BMGT385	Operations Management	3	Upper Level Elective
BMGT434	Introduction to Optimization	3	Upper Level

			Elective
BMGT485	Project Management	3	Upper Level Elective
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Elective
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective
ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective

CIVIL ENGINEERING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	Tech Elective
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	
ENCE320	Introduction to Project Management	3	Tech Elective

ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	Tech Elective
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

CHEMICAL ENGINEERING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
	Data Analysis Elective (required to take at least 1)		
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
	Other elective options		
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	

ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	Outside departmental technical elective
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

COMPUTER ENGINEERING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Cat. F or CP Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Cat. F or CP Elective
BMGT431	Data Analytics	3	Cat. F or CP Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Cat. F or CP Elective
BMGT452	Marketing Research Methods	3	Cat. F or CP Elective
CMSC320	Introduction to Data Science	3	Cat. F or CP Elective
ENME466	Lean Six Sigma	3	Cat. F or CP Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Cat. F or CP Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Cat. F or CP Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Cat. F or CP Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Cat. F or CP Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Cat. F or CP Elective
BMGT332	Operations Research for Management Decisions	3	Cat. F or CP Elective
BMGT352	Customer Centric Innovation	3	Cat. F or CP Elective
BMGT385	Operations Management	3	Cat. F or CP Elective
BMGT434	Introduction to Optimization	3	Cat. F or CP

			Elective
BMGT485	Project Management	3	Cat. F or CP Elective
BMGT487	Six Sigma Strategy and Methods	3	Cat. F or CP Elective
CMSC434	Introduction to Human-Computer Interaction	3	Cat. B or Cat. F
CMSC435	Software Engineering	3	Cat. E Capstone
CMSC436	Programming Handheld Systems	3	Cat. B or Cat. F
ENCE320	Introduction to Project Management	3	Cat. F or CP Elective
ENEE408G	Multimedia Signal Processing	3	Cat. E Capstone
ENES460	Fundamentals of Technology Start-Up Ventures	3	Cat. F or CP Elective
ENES462	Marketing High-Technology Products and Innovations	3	Cat. F or CP Elective
ENES489P	Hands-On Systems Engineering Projects	3	Cat. E Capstone
ENME371	Product Engineering and Manufacturing	3	Cat. F or CP Elective
ENME421	Engineering Design Ideation	3	Cat. F or CP Elective
ENME426	Production Management	3	Cat. F or CP Elective
ENME489Q	Managing for Innovation and Quality	3	Cat. F or CP Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Cat. F or CP Elective

COMPUTER SCIENCE

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Concentration
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP/ Upper Level Concentration
	Data Analysis Elective (required to take at least 1)		
BMGT430	Linear Statistical Models in Business	3	Upper Level Concentration
BMGT431	Data Analytics	3	Upper Level Concentration
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Concentration
BMGT452	Marketing Research Methods	3	Upper Level Concentration
CMSC320	Introduction to Data Science	3	Upper Level Computer Science Elective
ENME466	Lean Six Sigma	3	Upper Level Concentration
	Other elective options		
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Concentration
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Concentration
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Concentration
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Concentration
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Concentration
BMGT332	Operations Research for Management Decisions	3	Upper Level Concentration
BMGT352	Customer Centric Innovation	3	Upper Level Concentration
BMGT385	Operations Management	3	Upper Level Concentration
BMGT434	Introduction to Optimization	3	Upper Level Concentration
BMGT485	Project Management	3	Upper Level Concentration
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Concentration
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Computer Science Area Course
CMSC435	Software Engineering	3	Upper Level Computer Science Area Course

CMSC436	Programming Handheld Systems	3	Upper Level Computer Science Area Course
ENCE320	Introduction to Project Management	3	Upper Level Concentration
ENEE408G	Multimedia Signal Processing	3	Upper Level Concentration
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Concentration
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Concentration
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Concentration
ENME371	Product Engineering and Manufacturing	3	Upper Level Concentration
ENME421	Engineering Design Ideation	3	Upper Level Concentration
ENME426	Production Management	3	Upper Level Concentration
ENME489Q	Managing for Innovation and Quality	3	Upper Level Concentration
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Concentration

ELECTRICAL ENGINEERING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Gen Tech Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Gen Tech Elective
BMGT431	Data Analytics	3	Gen Tech Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Gen Tech Elective
BMGT452	Marketing Research Methods	3	Gen Tech Elective
CMSC320	Introduction to Data Science	3	Gen Tech Elective
ENME466	Lean Six Sigma	3	Gen Tech Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Gen Tech Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Gen Tech Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Gen Tech Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Gen Tech Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Gen Tech Elective
BMGT332	Operations Research for Management Decisions	3	Gen Tech Elective
BMGT352	Customer Centric Innovation	3	Gen Tech Elective
BMGT385	Operations Management	3	Gen Tech Elective
BMGT434	Introduction to Optimization	3	Gen Tech Elective
BMGT485	Project Management	3	Gen Tech Elective
BMGT487	Six Sigma Strategy and Methods	3	Gen Tech Elective
CMSC434	Introduction to Human-Computer Interaction	3	Gen Tech Elective
CMSC435	Software Engineering	3	Gen Tech Elective
CMSC436	Programming Handheld Systems	3	Gen Tech Elective
ENCE320	Introduction to Project Management	3	Gen Tech Elective

ENEE408G	Multimedia Signal Processing	3	Cat. C Capstone
ENES460	Fundamentals of Technology Start-Up Ventures	3	Gen Tech Elective
ENES462	Marketing High-Technology Products and Innovations	3	Gen Tech Elective
ENES489P	Hands-On Systems Engineering Projects	3	Gen Tech Elective
ENME371	Product Engineering and Manufacturing	3	Gen Tech Elective
ENME421	Engineering Design Ideation	3	Gen Tech Elective
ENME426	Production Management	3	Gen Tech Elective
ENME489Q	Managing for Innovation and Quality	3	Gen Tech Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Gen Tech Elective

FINANCE

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Major Requirement
BMGT431	Data Analytics	3	Upper Level Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Upper Level Elective
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Major Requirement
BMGT352	Customer Centric Innovation	3	Upper Level Elective
BMGT385	Operations Management	3	Upper Level Elective
BMGT434	Introduction to Optimization	3	Major

			Requirement
BMGT485	Project Management	3	Upper Level Elective
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Elective
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective
ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective

FIRE PROTECTION ENGINEERING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	*ENES Version can count as Technical Elective - See Advisor
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP/ *ENES Version can count as Technical Elective - See Advisor
	Data Analysis Elective (required to take at least 1)		
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
	Other elective options		
BMGT/ENES 397	Mentoring Design and Quality Teams	3	*ENES Version can count as Technical Elective - See Advisor
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	*ENES Version can count as Technical Elective - See Advisor
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	

CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	
ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	*Can count as Technical Elective - See Advisor
ENES462	Marketing High-Technology Products and Innovations	3	*Can count as Technical Elective - See Advisor
ENES489P	Hands-On Systems Engineering Projects	3	*Can count as Technical Elective - See Advisor
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

INFORMATION SYSTEMS

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Major Requirement
BMGT431	Data Analytics	3	Upper Level Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Upper Level Elective
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Major Requirement
BMGT352	Customer Centric Innovation	3	Upper Level Elective
BMGT385	Operations Management	3	Major Requirement
BMGT434	Introduction to Optimization	3	Upper Level

			Elective
BMGT485	Project Management	3	Major Requirement
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Elective
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective
ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective

INTERNATIONAL BUSINESS

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Upper Level Elective
BMGT431	Data Analytics	3	Upper Level Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Upper Level Elective
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Upper Level Elective
BMGT352	Customer Centric Innovation	3	Upper Level Elective
BMGT385	Operations Management	3	Upper Level Elective
BMGT434	Introduction to Optimization	3	Upper Level

			Elective
BMGT485	Project Management	3	Upper Level Elective
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Elective
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective
ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective

MARKETING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Upper Level Elective
BMGT431	Data Analytics	3	Upper Level Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Major Requirement
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Upper Level Elective
BMGT352	Customer Centric Innovation	3	Major Requirement
BMGT385	Operations Management	3	Upper Level Elective
BMGT434	Introduction to Optimization	3	Upper Level

			Elective
BMGT485	Project Management	3	Upper Level Elective
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Elective
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective
ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective

MATERIALS SCIENCE ENGINEERING

***No information was obtained for materials science engineering, please consult with your academic advisor about any overlap between your major courses or electives and QUEST classes**

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	

ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

MATHEMATICS

There is no overlap between Math and QUEST courses

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	

ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

MECHANICAL ENGINEERING

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	
ENCE320	Introduction to Project Management	3	

ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	Elective
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

OPERATIONS MANAGEMENT

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	Major Requirement/DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Major Requirement
BMGT431	Data Analytics	3	Major Requirement
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Upper Level Elective
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Major Requirement
BMGT352	Customer Centric Innovation	3	Upper Level Elective
BMGT385	Operations Management	3	Major Requirement
BMGT434	Introduction to Optimization	3	Major Requirement
BMGT485	Project Management	3	Major Requirement
BMGT487	Six Sigma Strategy and Methods	3	Major Requirement
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective

ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective

PHYSICS

***No information was obtained for physics, please consult with your academic advisor about any overlap between your major courses or electives and QUEST classes**

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	

CMSC436	Programming Handheld Systems	3	
ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

STATISTICS

There is no overlap between Statistics and QUEST courses

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	
BMGT431	Data Analytics	3	
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	
BMGT452	Marketing Research Methods	3	
CMSC320	Introduction to Data Science	3	
ENME466	Lean Six Sigma	3	
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	
BMGT438Q/BMGT438K	Doing Business in Asia	3	
BMGT/ENES491	Defining Consulting and Innovation Projects	3	
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	
BMGT332	Operations Research for Management Decisions	3	
BMGT352	Customer Centric Innovation	3	
BMGT385	Operations Management	3	
BMGT434	Introduction to Optimization	3	
BMGT485	Project Management	3	
BMGT487	Six Sigma Strategy and Methods	3	
CMSC434	Introduction to Human-Computer Interaction	3	
CMSC435	Software Engineering	3	
CMSC436	Programming Handheld Systems	3	

ENCE320	Introduction to Project Management	3	
ENEE408G	Multimedia Signal Processing	3	
ENES460	Fundamentals of Technology Start-Up Ventures	3	
ENES462	Marketing High-Technology Products and Innovations	3	
ENES489P	Hands-On Systems Engineering Projects	3	
ENME371	Product Engineering and Manufacturing	3	
ENME421	Engineering Design Ideation	3	
ENME426	Production Management	3	
ENME489Q	Managing for Innovation and Quality	3	
ENSE621	Systems Concepts, Issues, and Processes	3	

SUPPLY CHAIN MANAGEMENT

Required QUEST Courses			
Course Number	Title	Credits	Major Requirement
BMGT/ENES190H	Introduction to Design and Quality	4	DSSP
BMGT/ENES390H	Systems Thinking for Managerial Decision Making	3	Upper Level Elective
BMGT/ENES490H	QUEST Consulting and Innovation Practicum	4	Major Requirement/DSSP
Data Analysis Elective (required to take at least 1)			
BMGT430	Linear Statistical Models in Business	3	Upper Level Elective
BMGT431	Data Analytics	3	Upper Level Elective
BMGT438A/ENES478A	Applied Quantitative Analysis [QUEST-Only]	3	Upper Level Elective
BMGT452	Marketing Research Methods	3	Upper Level Elective
CMSC320	Introduction to Data Science	3	Upper Level Elective
ENME466	Lean Six Sigma	3	Upper Level Elective
Other elective options			
BMGT/ENES 397	Mentoring Design and Quality Teams	3	Upper Level Elective
BMGT438G/ENES489Q	Design and Innovation in Silicon Valley	3	Upper Level Elective
BMGT438Q/BMGT438K	Doing Business in Asia	3	Upper Level Elective
BMGT/ENES491	Defining Consulting and Innovation Projects	3	Upper Level Elective
BIOE485	Capstone Design I: Entrepreneurship, Regulatory Issues and Ethics	3	Upper Level Elective
BMGT332	Operations Research for Management Decisions	3	Major Requirement
BMGT352	Customer Centric Innovation	3	Upper Level Elective
BMGT385	Operations Management	3	Major Requirement
BMGT434	Introduction to Optimization	3	Upper Level Elective
BMGT485	Project Management	3	Upper Level Elective
BMGT487	Six Sigma Strategy and Methods	3	Upper Level Elective
CMSC434	Introduction to Human-Computer Interaction	3	Upper Level Elective
CMSC435	Software Engineering	3	Upper Level Elective
CMSC436	Programming Handheld Systems	3	Upper Level Elective
ENCE320	Introduction to Project Management	3	Upper Level Elective

ENEE408G	Multimedia Signal Processing	3	Upper Level Elective
ENES460	Fundamentals of Technology Start-Up Ventures	3	Upper Level Elective
ENES462	Marketing High-Technology Products and Innovations	3	Upper Level Elective
ENES489P	Hands-On Systems Engineering Projects	3	Upper Level Elective
ENME371	Product Engineering and Manufacturing	3	Upper Level Elective
ENME421	Engineering Design Ideation	3	Upper Level Elective
ENME426	Production Management	3	Upper Level Elective
ENME489Q	Managing for Innovation and Quality	3	Upper Level Elective
ENSE621	Systems Concepts, Issues, and Processes	3	Upper Level Elective