

USMA

Engineering Design Probability Statistics / Design of Experiments Engineering Economics Decision Analysis Operations Research / Management Science Simulation Project Management Thesis			
SE	EM	OR	ISE
Deterministic Models		Deterministic Models	
Human Factors	Human Factors		Human Factors
Stochastic Models		Stochastic Models	
	Systems Dynamics		
	Technology Management		Technology Management
	Production Operations		
	Operations Management		Decision Support Systems
	Supply Chain Management		
	IS Design & Management		Mgmt of Info Systems (MIS)
Computer-aided Systems Eng		Computer-aided Systems Eng	

The Air Force Institute of Technology

NENG 597* STAT 527* STAT 537*/STAT 694 OPER 531 (?) STAT 610/OPER 645 OPER 501/502* OPER 561* SMGT 646 (?) OPER 498*/799*			
SE	EM	OR	ISE
OPER 610*		OPER 610*	
OPER 540*		OPER 540*	
CSCE 200* or IMGT 561 (?)			

* Required for Degree Program

USMA

Engineering Design			
Probability			
Statistics / Design of Experiments			
Engineering Economics			
Decision Analysis			
Operations Research / Management Science			
Simulation			
Project Management			
Thesis			
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The University of Texas at Austin

(?)	MIS 380N.2 IM CORE I: Managing Information *		
ORI 390 R1*	Probability		
ORI 390 R2*	Statistics I and II*		
MIS 383 N8 (?)	Managerial Economics *, MIS 380N.4 IM CORE III: Digital Econ		
ORI 397 Q7	Behavior Decision Theory, RM 395.1 Corporate Risk Management		
FILLED FROM BEL	MSC 380.25 Optimization I & II		
ORI 390 R9	Systems Simulation		
ORI 390 Q1	MIS 380N.3 IM CORE II: Managing Systems *		
ORI 698A/ORI 698B	No (MBA program but PhD prgram in dept)		
SE	EM	OR	ISE
ORI 391 Q5*		ORI 391 Q5*	
(?)			
ORI 390 R5		ORI 390 R5	
			MIS 382N.10 Information
			MSC 380.24 Production
			MIS 383N Decision Support Modeling
(?)			3-MANAGING SYSTEMS MIS
			MIS 381N.5 Information

* Required for Degree Program
<http://www.me.utexas.edu/~orie/>

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The University of Virginia

SYS 601	SYS 601 Introduction to Systems Engineering *		
MATH 509	MATH 510 Probability		
MATH 510/APMA 6	STA 511 Statistics		
SYS 781	COM 305 Valuation and Data Management		
SYS 614	SYS 614 Decision Analysis		
FILLED FROM BEL	SYS 603 Mathematical Modelling with Applications *		
SYS 634 & 734	SYS 634 Discrete Event Stochastic Simulation		
SYS 602	SYS 602 Project Management *		
SYS 896/SYS 898	SYS 898 Thesis Research		
SE	EM	OR	ISE
SYS 603		SYS 603	
SYS 616			SYS 616 - Cognitive Systems
SYS 605		SYS 605	(*SYS 605 Uncertainty Models)
			SYS 734 Advanced System
			SYS 602 Systems Management
			SYS 616 - Cognitive Systems
			COMM 327/ CS 662 Database
SYS 421 or SYS 681			SE 582 Analysis and Design of

* Required for Degree Program
<http://www.sys.virginia.edu/>

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Rensselaer Polytechnic Institute

DSES 4610* or DSES 4770 DSES 4750* DSES 4760* (?) DSES 6090 FILLED FROM BELOW DSES 6620 DSES 4240 DSES 6990			
SE	EM	OR	ISE
DSES 6770		DSES 6770	
(?)			
DSES 6050*		DSES 6050*	
DSES 6520 or DSES 6530			

* Required for Degree Program
<http://www.rpi.edu/dept/dses/www/>

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The Georgia Institute of Technology

(?)			
MATH 3225			
MATH 4241*			
ISYE 6225			
ISYE 6230			
FILLED FROM BELOW			
ISYE 6644*			
CEE 4110 (?)			
NOT AVAILABLE - RESEARCH PROJECT MAY BE AVAILABLE THRU GTRI			
SE	EM	OR	ISE
ISYE 6669*		ISYE 6669*	
ISYE 6215			
ISYE 6650*		ISYE 6650*	
CS 6500 or Auth Substitute			

* Required for Degree Program
<http://www.isye.gatech.edu/>

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Georgia Institute of Technology

Probabilistic Models & Their Applications Statistical Modeling & Design of Experiments Engineering Economy Analytic Tools for Decision Support Deterministic Optimization Simulation			
SE	EM	OR	ISE
	Organizational Behavior for		
	Management of Technology Project		
	Manufacturing Systems		
	Transportation & Supply Chain		

Course Listings Warehousing Systems
 Manufacturing Systems
 Reliability
 Mathematical Statistics I

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Texas A & M University

SYEN 601 STAT 601 STAT 602/ INEN 616 INEN 667 INEN 627 FILLED FROM BELOW INEN 625 INFO 621 INEN 691			
SE	EM	OR	ISE
INEN 622		INEN 622	
INEN 630			
INEN 602		INEN 602	
CPSC 310 (?)			

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<http://ie.tamu.edu/>

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[GMU School of Information Technology and Engineering](#)

SYST 510/512 STAT 544 STAT 554 SYST 520 SYST 573 OR 541/542 OR 635 SYST 611 SYST 799			
Master's Thesis			
SE	EM	OR	ISE
OR 541		OR 541	
SYST 470 (Human Factors Eng)			
OR 542		OR 542	
SYST 520			

Course Listings
[Systems Engineering](#)
[Operations Research](#)
[Statistics](#)

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[Stanford Department of Management Science and Engineering](#)

MS&E 220 STAT 201 MS&E 241 MS&E 252 MS&E 207 MS&E 223 CE 241 Project			
SE	EM	OR	ISE
		MS&E 211 Linear and Nonlinear	
	MS&E 280 Organizational		
		MS&E 221 Stochastic	
	MS&E 201 Dynamic Systems		
	MS&E 284 Technology and		
	MS&E 260 Analysis of		
	MS&E 262 Supply Chain Mgt		
	MS&E 234 Organizations and		

[Course Listings](#)
[Stanford Bulletin--MS&E](#)
[Stanford Bulletin--CE](#)
[Stanford Bulletin--Statistics](#)

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[USC Department of Industrial and Systems Engineering](#)

AE 556 MATH 407 ISE 525 ISE 561 ISE 562 ISE 530 ISE 580 ISE 515 Optional			
SE	EM	OR	ISE
ISE 536 (LP and Extensions)			
ISE 570 (Human Factors in Eng)	Performance Analysis		
ISE 538 (Elements of Stoch Proc)			
	Technology Development & Advanced Production		
ISE 542 (Adv Top in SE) - new			

Course Listings Advanced Concepts in Computer Simulation
[ISE Courses of Inst](#) Elements of Stochastic Processes
 Performance Analysis
 Computer Aided Manufacturing

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[Operations Research at NC State](#)

ST 421 ST 422 IE 510 OR 722 OR 501 OR 762 BUS 564/5900 OR 695 MSc Thesis			
SE	EM	OR	ISE
		OR 504 (Intro to Math Prog)	
		ST 746 (Intro to Stoch Processes)	

Course Listings

[NC State Graduate School Course Descriptions](#)

[NC State Business Management Course Descriptions](#)

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George Washington University

Systems Engineering Finance & Engineering Economics Decision Analysis Problems in Eng Mgmt Program & Project Management No Thesis/Project Crse			
SE	EM	OR	ISE
	Organizational Behavior for the		
	System Thinking & Policy Modeling I		
	Technology Issue Analysis		
	Info Mgmt & Info Svs		

Course Listings

- Problem Solving & Decision Making for Managers
- Mgmt of Technical Organizations
- System Thinking & Policy Modeling I
- Reliability Theory

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George Washington University

Systems Engineering Finance & Engineering Economics Problem Solving & Decision Making for Managers Program & Project Management No Thesis/Project Crse			
SE	EM	OR	ISE
	Organizational Behavior for the		
	Mgmt of Technical Organizations		
	Forecasting Techniques		
	Info Mgmt & Info Svs		

- Course Listings
- Decision Support Systems & Models
 - Discrete Support Systems & Models
 - Artificial Intelligence & Knowledge-Based Systems
 - Knowledge Management I
 - Knowledge Management II

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Universtiy of Colorado

Finance & Accounting for Eng Mgmt Operations Research Project Management Systems Project Crse Required			
SE	EM	OR	ISE
	Leadership & Management		
	Mgmt of Research & Development		
	Principles of Product		
	Operations Management		
Course Listings	Introduction to Eng Mgmt		Methods for Quality Improvement

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	IS Design & Management		
	Computer-aided Systems Eng		

Massachusetts Institute of Technology

Statistics Financial and Managerial Accounting Operations Research			
SE	EM	OR	ISE
	Industrial Relations/Human		
	Application of Systems Dynamics		
	Manufacturing Strategy Operations Management		
	Information Svstems		

Course Listings

- Marketing
- Organizational Processes
- Communication for Managers
- Economic Analysis for Business Decisions
- Strategic Management
- Systems Dynamics for Business Policy

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Operations Research / Management Science			
Simulation			
Project Management			
Thesis			
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MIT (Information Technology and Business Transformation Track)

15.768 Managing Services: Concepts, Design, and Delivery			
Probability			
15.061 Intermediate Statistics			
15.450 Analytics of Financial Engineering			
15.920 Strategic Analysis: Frameworks, Tools, and Measurements			
15.057 Systems Optimization			
15.871 Introduction to System Dynamics			
15.315 Planning and Managing Change No. (MBA)			
SE	EM	OR	ISE
			15.352 Management of
			6.871 Knowledge-based Applications
			15.568 Management of
		15.564 Information Technology I	

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Northwestern University

Systems Engineering Introduction to Statistics Accounting Issues for Engineers Quantitative Methods for Decision Making Project Management I & II			
SE	EM	OR	ISE
			Technology Management
			Factory Operations Analysis

Course Listings

- Computer Simulation for Risk & Operations Analysis
- Field Research in Organizational Theory
- Systems Methodology
- Logistics Management
- Financial Issues for Engineers
- Marketing Issues for Engineers
- Quality Engineering Tools
- Integrated Resource Management
- Business Laboratory