

Integrated Engineering Program

Common First Year

Second Year

ES 1050Y Foundations of Engineering Practice		IE 2298 Integrated System Eng & Design	
Bus 1299E Intro to Business for Engineers		NMM 2270A Applied Math II	NMM 2276B Applied Math III
NMM 1411A/B Linear Algebra	CHEM 1302A/B Chemistry for Engineers	CEE 2220A Intro to Structural Theory	CBE 2221B Fluid Flow
NMM 1412A Calculus I	NMM 1414B Calculus II	ECE 2277A Digital Logic Systems	MME 2285B Engineering Experimentation
ES 1021 Properties of Materials	ES 1036 Programming Fundamentals	MSE 2214A Thermodynamics I	SS 2143 Applied Statistics
ES 1022Y Engineering Statics		CBE 2220A Chemical Process Calculations	One 0.5 Non-Technical Elective
PHYS 1401 Physics for Engineers I	PHYS 1402 Physics for Engineers II		

Third Year

Fourth Year

ELI 3000 Managing Innovation	ELI 3200 New Venture OR ELI 3100 Project Mgmt	IE 4499 Interdisciplinary Design Project (Capstone)	
One 0.5 Technical Elective	One 0.5 Non-Technical Elective	ELI 4100 Engineering Leadership	ELI 4200 Entrepr. Env. OR ELI 4300 Risk Mgmt
CBE 3322A Heat Transfer Operations	MSE 2213 Engineering Dynamics	ELI 4110 Engineering Ethics, Sustainable	One 0.5 Technical Elective
CEE 2202A Mechanics of Materials	CBE 2291B Computational Methods	One 0.5 Technical Elective	One 0.5 Technical Elective
MME 3374A Electrical Foundations for ME	MSE 3360B Finite Element Methods	One 0.5 Technical Elective	One 0.5 Technical Elective
MME 3379 OR MSE 3301 Materials Selection	CEE 2221B Structural Theory and Design II		



Integrated Engineering + HBA Program

Common First Year

Second Year

ES 1050Y Foundations of Engineering Practice		IE 2298 Integrated System Eng & Design	
Bus 1299E Intro to Business for Engineers		NMM 2270A Applied Math II	NMM 2276B Applied Math III
NMM 1411A/B Linear Algebra	CHEM 1302A/B Chemistry for Engineers	CEE 2220A Intro to Structural Theory	CBE 2221B Fluid Flow
NMM 1412A Calculus I	NMM 1414B Calculus II	ECE 2277A Digital Logic Systems	MME 2285B Engineering Experimentation
ES 1021 Properties of Materials	ES 1036 Programming Fundamentals	MSE 2214A Thermodynamics I	SS 2143 Applied Statistics
ES 1022Y Engineering Statics		BUS 2257 Accounting and Business Analysis	
PHYS 1401 Physics for Engineers I	PHYS 1402 Physics for Engineers II		

Fourth Year

Fifth Year

ELI 3000 Managing Innovation	ELI 3200 New Venture OR ELI 3100 Project Mgmt	IE 4499 Interdisciplinary Design Project (Capstone)	
CBE 2220A Chemical Process Calculations	ELI 4110 Engineering Ethics, Sustainable	ELI 4100 Engineering Leadership	One 0.5 Technical Elective
CBE 3322A Heat Transfer Operations	MSE 2213 Engineering Dynamics	One 0.5 Technical Elective	One 0.5 Technical Elective
CEE 2202A Mechanics of Materials	CBE 2291B Computational Methods	BUS 4505 Global Macroeconomics	BUS 4624 Managerial Accounting and Control
MME 3374A Electrical Foundations for ME	MSE 3360B Finite Element Methods	0.5 HBA 4xxx Society Perspective Elective	1.0 HBA 4xxx Electives
BUS 4569 Ivey Field Project		0.5 HBA 4xxx Elective	



Integrated Engineering + Law Program

Common First Year

Second Year

ES 1050Y Foundations of Engineering Practice		IE 2298 Integrated System Eng & Design	
Bus 1299E Intro to Business for Engineers		NMM 2270A Applied Math II	NMM 2276B Applied Math III
NMM 1411A/B Linear Algebra	CHEM 1302A/B Chemistry for Engineers	CEE 2220A Intro to Structural Theory	CBE 2221B Fluid Flow
NMM 1412A Calculus I	NMM 1414B Calculus II	ECE 2277A Digital Logic Systems	MME 2285B Engineering Experimentation
ES 1021 Properties of Materials	ES 1036 Programming Fundamentals	MSE 2214A Thermodynamics I	SS 2143 Applied Statistics
ES 1022Y Engineering Statics		CBE 2220A Chemical Process Calculations	One 0.5 Non-Technical Elective
PHYS 1401 Physics for Engineers I	PHYS 1402 Physics for Engineers II		

Fourth Year

Fifth & Sixth Years

ELI 3000 Managing Innovation	ELI 3200 New Venture OR ELI 3100 Project Mgmt	IE 4499 Interdisciplinary Design Project (Capstone)	
ELI 4110 Engineering Ethics, Sustainable	One 0.5 Non-Technical Elective	ELI 4100 Engineering Leadership	ELI 4200 Entrepr. Env. OR ELI 4300 Risk Mgmt
CBE 3322A Heat Transfer Operations	MSE 2213 Engineering Dynamics	0.5 Law course under Economics	1.5 Law upper-year compulsory courses for writing requirements
CEE 2202A Mechanics of Materials	CBE 2291B Computational Methods	0.5 Law course under Impact of Tech on Society	
MME 3374A Electrical Foundations for ME	MSE 3360B Finite Element Methods	5.0 Law courses	
MME 3379 OR MSE 3301 Materials Selection	CEE 2221B Structural Theory and Design II		

