

Integrated Engineering and Business Option

September 2019 (for students who entered HBA in September 2016 or earlier)

Applied Mathematics for Engineering II
Mechanics of Materials
Digital Logic Systems
Thermodynamics I
Product Design and Development
Accounting and Business Analysis
Applied Mathematics for Electrical and Mechanical
Engineering III
Fluid Flow
Computational Methods for Engineers
Introduction to Electrical Engineering
Applied Statistics and Data Analysis for Engineers
Accounting and Business Analysis

Year 3: HBA 1

Year 4:

Term A

ES 3331a	Engineering Innovation II: Managing the Innovation Process
CBE 2220a	Chemical Process Calculations
CBE 3322a	Heat Transfer Operations
CEE 2220a	Structural Theory and Design I
ECE 3374a	Introduction to Electronics for Mechanical Engineering
Bus 4569	Ivey Field Project

Term B

ES 3330b	Engineering Innovation I: New Venture Creation
MSE 2213b	Engineering Dynamics
MME 2285b	Engineering Experimentation
MSE 3360b	Finite Element Methods for Mechanical Engineering
FS 4498G	Engineering Ethics Sustainable Development and the Law

Year 5:

Term A

ES 4499	Interdisciplinary Engineering Design Project
ES 4480a	Engineering Innovation III: Leadership and Corporate
	Entrepreneurship

0.5 technical elective

Bus 4505a Global Macroeconomics for Managers

Bus 4521a/b or 4522a/b or 4523a/b

0.5 Business electives chosen from 4000 level Business courses.

Term B

ES 4499 Interdisciplinary Engineering Design Project

1.0 technical electives

1.5 Business electives chosen from 4000 level Business courses.

NOTES:

Important:

Students are responsible for ensuring they have the correct courses required for their degree. If you are unsure which courses you still need or if you see courses listed on the progression sheet that are no longer offered or are not offered in the term you see listed here, please contact your Academic Counsellor. For HBA related guestions, please contact the Richard Ivey School of Business. For Engineering related questions, please contact your Academic Counsellor in Engineering.

Technical Elective List:

Some technical electives may not be offered in a given academic

ear. Consult the De	partment for accurate listing.			
Chemi	cal and Biochemical Engineering :			
CBE 2290a/b	Fundamentals of Biochemical and			
	Environmental Engineering			
CBE 3310a/b	Process Dynamics and Control			
CBE 3324a/b	Mass Transfer Operations			
CBE 4409a/b	Wastewater Treatment			
CBE 4421a/b	Introduction to Biomaterials Engineering			
Civil and Environmental Engineering:				
CEE 2240a/b	Project Management and Engineering			
CEE 3348a/b	Cases			
CEE 3362a/b	Drinking Water Quality and Treatment			
CEE 4405a/b	Air Pollution			
CEE 44100/b	Systems Approach for Civil and			
CEE 4418a/b	Environmental Engineering			
CEE 44500/b	Risk Analysis and Decision Making in			
CEE 4458a/b	Engineering			
CEE 4465a/b	Environmental Design for Waste Disposal			
CEE 4477a/b	Environmental Applications of			
	Nanotechnology			
Elect	trical and Computer Engineering:			
ECE 3349a/b	Introduction of VLSI			
ECE 3375a/b	Microprocessors and Microcomputers			
FCF 442C= /b	Networking: Principles, Protocols, and			
ECE 4436a/b	Architecture			
ECE 4468a/b	Systems Optimization			
SE 3314a/b	Computer Networks Applications			
Mechanical and Materials Engineering:				
MME 3379a/b	Materials Selection			
MME 3381a/b	Kinematics and Dynamics of Machines			
MME 4452a/b	Robotics and Manufacturing Automation			
MME 4473a/b	Computer Integrated Manufacturing (CIM			
MME 4487a/b	Mechatronic System Design			
MME 4492a/b	Production Management for Engineers			