### Year 2: HBA 1

#### Term A
- NMM 2270A  
  Applied Mathematics for Engineering II
- CS 1037A  
  Computer Science Fundamentals II
- ECE 2205A  
  Electric Circuits I
- ECE 2240A  
  Electrical Laboratory I
- ECE 2277A  
  Digital Logic Systems
- BUS 2257  
  Accounting and Business Analysis

#### Term B
- NMM 2276B  
- ECE 2231B  
  Introduction to Electronics
- ECE 2242B  
  Principles of Design in Electrical Engineering
- ECE 3375B  
  Microprocessors and Microcomputers
- ECE 3380B  
  Advanced Digital Systems
- BUS 2257  
  Accounting and Business Analysis

### Year 3: HBA 1

### Year 4

#### Term A
- SE 2205A  
  Algorithms & Data Structure for Object-Oriented Design
- ECE 3330A  
  Control Systems
- ECE 3349A  
  Introduction of VLSI
- ECE 3389A  
  Computer System Design
- Math 2151A  
  Discrete Structures for Engineering
- SE 2203A  
  Software Design
- BUS 4569  
  Ivey Field Project

#### Term B
- CS 2211B  
  Software Tools and Systems Programming
- ECE 2236B  
  Magnetic Circuits and Transmission Lines
- ECE 3331B  
  Introduction to Signal Processing
- ECE 3390B  
  Hardware/Software Co-Design
- SS 2143B  
  Applied Statistics and Data Analysis for Engineers

### Year 5

#### Term A
- ECE 4415  
  Computer Engineering Design Project
- ECE 4436A  
  Networking: Principles, Protocols & Architecture
- ECE 4437A  
  Communications Theory
- SE 3313A  
  Operating Systems for Software Engineering

#### Term B
- ECE 4415  
  Computer Engineering Design Project
- ECE 4460B  
  Real-Time and Embedded Systems
- ELI 4110G  
  Engineering Ethics, Sustainable Development & the Law

Three 0.5-credit Business electives from the 4000-level Business courses

### NOTES:

- **1.5 HBA required courses:**
  - International Perspective Requirement: Business 4505A/B.
  - Corporations and Society Requirement: 0.5-credit from Business Administration – Corporations and Society offered during the academic year to satisfy this requirement.
  - Managerial Accounting Requirement: Business 4624A/B