# Computer Engineering – Electronic Devices for Ubiquitous Computing (Option A)
## For Students Entering 4th Year in Fall 2016

### Year 2:
#### Term A
- AM 2415 Applied Mathematical Methods
- CS 1037a Computer Science Fundamentals II
- ECE 2205a Electric Circuits I
- ECE 2277a Digital Logic Systems
- ECE 2240a Electrical Laboratory
- ES 2211F Engineering Communications

#### Term B
- AM 2415 Applied Mathematical Methods
- ECE 2233b Circuits and Systems
- ECE 2231b Introduction to Electronics
- ECE 2241b Electrical Laboratory II
- ECE 3375b Microprocessors and Microcomputers
- ECE 3380b Advanced Digital Systems

### Year 3:
#### Term A
- Math 2151a Discrete Structures for Engineering
- ECE 3330a Control Systems
- ECE 3349a Introduction of VLSI
- ECE 3389a Computer System Design
- CS 2211a Software Tools and Systems Programming
- SE 2203a Software Design

#### Term B
- CS 2210b Data Structures and Algorithms
- ECE 3331b Introduction to Signal Processing
- ECE 2236b Magnetic Circuits and Transmission Lines
- ECE 3390b Hardware/Software Co-Design
- SS 2143b Applied Statistics & Data Analysis
- 0.5 course non-technical elective from the approved list

### Year 4:
#### Term A
- Bus 2299e Business for Engineers
- ECE 4415 Computer Engineering Design Project
- SE 3313a Operating Systems for Software Engineering
- ECE 4436a Networking
- ECE 4437a Communications Theory
- One 0.5-course technical elective from the approved list

#### Term B
- Bus 2299e Business for Engineers
- ECE 4415 Computer Engineering Design Project
- SE 3314b Computer Networks Applications
- ECE 4460b Real-Time and Embedded Systems
- ES 4498g Engineering Ethics, Sustainable Development and the Law
- One 0.5-course technical elective from the approved list

### NOTES:
- Technical Elective List:
  - Some technical electives may not be offered in a given academic year. Consult the department for accurate listing.

  - ECE 3332a/b Electric Machines
  - ECE 3333a/b Electric Power Systems I
  - ECE 3337a/b Electronic Circuits
  - ECE 3370a/b Communication Electronics I
  - ECE 4429a/b Advanced Digital Signal Processing
  - ECE 4438a/b Advanced Image Processing & Analysis
  - ECE 4445a/b Introduction to Digital Image Processing
  - ECE 4455a/b Biomedical Systems Analysis
  - ECE 4469a/b Applied Control Systems
  - Maximum one of:
    - CS 3319a/b Databases 1
    - CS 3340a/b Analysis of Algorithms 1
    - CS 3346a/b Artificial Intelligence 1

  - Maximum of one Computer Science 0.5 course from the following: Computer Science 3319a/b, 3340a/b, 3346a/b.

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The official version of the academic calendar can be found at: [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca)