Electrical: Biomedical Signals and Systems (Option G)
September 2018 (students who entered first year prior to September 2016)

### Year 2:

**Term A**
- AM 2270a: Applied Mathematics for Engineering II
- CS 1037a: Computer Science Fundamentals II
- ECE 2205a: Electric Circuits I
- ECE 2240a: Electrical Laboratory
- ECE 2277a: Digital Logic Systems
- ES 2211f: Engineering Communications

**Term B**
- AM 2276b: Applied Mathematics for Elec. & Mech Eng III
- ECE 2231b: Introduction to Electronics
- ECE 2233b: Circuits and Systems
- ECE 2236b: Magnetic Circuits and Transmission Lines
- ECE 2241b: Electrical Laboratory II
- MME 2234b: Heat Transfer and Dynamics

### Year 3:

**Term A**
- AM 3415a: Applied Mathematics for Electrical Engineering II
- ECE 3330a: Control Systems
- ECE 3332a: Electric Machines
- ECE 3337a: Electronic Circuits
- MEDBIO 3330f: Human and Animal Biomechanics
- SS 2141a: Applied Probability and Statistics

**Term B**
- ECE 3331b: Introduction to Signal Processing
- ECE 3336b: Electromagnetic Theory
- ECE 3375b: Microprocessors and Microcomputers
- MEDBIO 3507g: Analysis of Oxygen Transport in Biological Systems
- One 0.5 technical elective
- 0.5 non-technical elective taken from the approved list

### Year 4:

**Term A**
- Bus 2299e: Business for Engineers
- ECE 4416: Electrical/Computer Engineering Project
- ECE 4429a: Advanced Digital Signal Processing
- ECE 4437a: Communications Theory
- ECE 4445a: Introduction to Digital Image Processing
- Physiol 2130: Human Physiology

**Term B**
- Bus 2299e: Business for Engineers
- ECE 4416: Electrical/Computer Engineering Project
- ECE 4438b: Advanced Image Processing and Analysis
- ECE 4455b: Biomedical Systems Analysis
- ES 4498g: Engineering Ethics, Sustainable Development and the Law
- Physiol 2130: Human Physiology

### Notes:

Some technical electives may not be offered in a given academic year. Consult the department for accurate listing.

<table>
<thead>
<tr>
<th>Technical Elective List:</th>
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<tbody>
<tr>
<td>Biochemistry 2280a</td>
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<tr>
<td>Medical Biophysics 3503G</td>
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<td>CBE 4421a</td>
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The official version of the academic calendar can be found at: www.westerncalendar.uwo.ca