### Electrical Engineering: Power Systems (Option E)
#### 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 2277a  Digital Logic Systems
- ECE 2240a  Electrical Laboratory
- 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
- SS 2141a  Applied Probability and Statistics for Engineers
  - 0.5-course non-technical elective from the approved list (either a or b term)

**Term B**
- ECE 3331b  Introduction to Signal Processing
- ECE 3333b  Electric Power Systems I
- ECE 3336b  Electromagnetic Theory
- ECE 3370b  Communication Electronics I
- ECE 3375b  Microprocessors and Microcomputers

#### 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 4457a  Power Electronics
- ECE 4464a  Electric Power Systems II

**Term B**
- BUS 2299e  Business for Engineers
- ECE 4416  Electrical/Computer Engineering Project
- ECE 4439b  Convent. Renewable & Nuclear Energy
- ECE 4456b  Power Systems Protection
- ES 4498g  Engineering Ethics, Sustainable Development and the Law
  - One 0.5 technical elective from the approved list

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**NOTES:**

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

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<td>Introduction of VLSI</td>
</tr>
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<td>ECE 3380a/b</td>
<td>Advanced Digital Systems</td>
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<td>ECE 4430a/b</td>
<td>Selected Topics in Electrical Eng. I</td>
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<tr>
<td>ECE 4431a/b</td>
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<td>ECE 4432a/b</td>
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<td>ECE 4433a/b</td>
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<td>ECE 4436a/b</td>
<td>Networking: Principles, Protocols and Architecture</td>
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<td>ECE 4438a/b</td>
<td>Adv. Image Processing &amp; Analysis</td>
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<tr>
<td>ECE 4445a/b</td>
<td>Intro. to Digital Image Processing</td>
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<td>ECE 4451a/b</td>
<td>Advanced Topics in Wireless Communications</td>
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<td>ECE 4455a/b</td>
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<td>ECE 4460a/b</td>
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<td>MME 4482a/b</td>
<td>Fundamental of MEMS</td>
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<tr>
<td>MME 4487a/b</td>
<td>Mechatronic System Design</td>
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*The official version of the academic calendar can be found at: [www.westerncalendar.uwo.ca](http://www.westerncalendar.uwo.ca)*