**Electrical: Wireless Communications (Option C)**  
**September 2017** (students who entered first year prior to September 2016)

<table>
<thead>
<tr>
<th>Year 2:</th>
<th>NOTES:</th>
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<tbody>
<tr>
<td><strong>Term A</strong></td>
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</table>
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: | Technical Elective List:  
Some technical electives may not be offered in a given academic year. Consult the department for accurate listing.  
|  
**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 non-technical elective taken from the approved list (either a orb 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 4432a  Radiation and Propagation  
ECE 4437a  Communications Theory  
ECE 4436a  Networking: Principles, Protocols, and Architecture  
|  
**Term B** |  
BUS 2299e  Business for Engineers  
ECE 4416  Electrical/Computer Engineering Project  
ECE 4433b  Digital Communications Systems  
ES 4498G  Engineering Ethics, Sustainable Development and the Law  
Two 0.5 technical electives  
|  
**ECE 3349a/b**  Introduction of VLSI  
**ECE 3380a/b**  Advanced Digital Systems  
**ECE 4430a/b**  Selected Topics in Electrical Eng. I  
**ECE 4431a/b**  Selected Topics in Electrical Eng. I  
**ECE 4438a/b**  Adv. Image Processing & Analysis  
**ECE 4439a/b**  Conventional, Renewable and Nuclear Energy  
**ECE 4445a/b**  Intro. to Digital Image Processing  
**ECE 4451a/b**  Advanced Topics in Wireless Communications  
**ECE 4455a/b**  Biomedical Systems Analysis  
**ECE 4456a/b**  Power Systems Protection  
**ECE 4457a/b**  Power Electronics  
**ECE 4460a/b**  Real-Time and Embedded Systems  
**ECE 4464a/b**  Electric Power Systems II  
**ECE 4468a/b**  Systems Optimization  
**ECE 4469a/b**  Applied Control Systems  
**MME 4452a/b**  Robotics and Manu. Automation  
**MME 4473a/b**  Computer Integrated Manufacturing  
**MME 4482a/b**  Fundamental of MEMS  
**MME 4487a/b**  Mechatronic System Design  

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