

**M.S. / Ph.D. Degree Planner: Applied Electromagnetics (EC92)**

**COURSE REQUIREMENTS**

**Core Coursework (twelve units)**

ECE 222A-B-C-D      Antennas, Electromagnetic Theory,  
Computational Methods, Advanced  
Antennas

Core Courses	
<b>Total: 12 Units</b>	

**Twelve additional units selected from the following**

- ECE 222A-B-C-D <sup>1</sup>      Antennas, Electromagnetic Theory,  
Computational Methods, Advanced Antennas
- ECE 264A-B-C              Analog Circuits
- ECE 265A-B-C              Communication Circuits
- ECE 240A-B-C              Photonics
- ECE 212AN-BN-CN        Nano Science
- ECE 230A-B-C              Solid State Electronics
- ECE 236A-B-C              Semiconductor Materials
- ECE 254A-B-C              Digital Communications
- ECE 251A-B-C              Signal Processing

Additional Units	
<b>Total: 12 Units</b>	

<sup>1</sup> A course not counted in core coursework may be counted here

**Technical Electives (twenty four units)**

- Any 4 unit, 200+ course from ECE, CSE, MAE, BENG, CENG, NANO, SE, MATS, MATH, PHYS or CogSci taken for a letter grade may be counted. Exceptions to this list require departmental approval.
- Up to 12 units of undergraduate ECE coursework (ECE 111+ only; and not including ECE 195, 197, 198 or 199) may be counted.
- MS students (Plan II) are allowed no more than 4 units of ECE 299 (research units) as technical electives. PhD and MS students (Plan I) are allowed no more than 8 units of ECE 299 as technical electives.

Technical Electives	
<b>Total: 24 Units</b>	

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**Advisor's Signature**

**Date**

**Student Name**

**PID**