

**M.S. / Ph.D. Planner: Communication Theory & Systems / Magnetic Recording (EC77)**

**COURSE REQUIREMENTS**

**Core Coursework (eight units)**

ECE 250                      Random Processes  
ECE 269                      Linear Algebra

Core Course	
	ECE 250
	ECE 269
<b>Total: 8 Units</b>	

**Sixteen additional units, at least one from each of the following sequences**

ECE 255 A-B-C                      Information Theory, Source Coding, Network Information Theory  
ECE 257 A-B -C                      Multiuser Communication Systems, Principles of Wireless Networks, Stochastic Wireless Networks Models  
ECE 259 A-B-C                      Algebraic Coding, Probabilistic Coding, Advanced Topics in Coding  
ECE 258 A-B                          Digital Communication

Additional Courses	
<b>Total: 16 Units</b>	

**Technical Electives (twenty-four units)**

- With the exception of research units, all courses counted towards the degree must be taken for a letter grade.
- Any 4 unit, 200+ course from ECE, CSE, MAE, BENG, CENG, NANO, SE, MATS MATH or PHYS taken for a letter grade may be counted. Exceptions to this list require departmental approval.
- Up to two 4-unit courses of undergraduate ECE coursework (ECE 111+ only) and one 4-unit course of undergraduate CSE coursework (CSE 100+ only)
- M.S. Students (Plan II) are allowed no more than 4 units of 299 as technical electives  
Ph.D. and M.S. Students (Plan I) are allowed no more than 8 units of 299 as technical electives.

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

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**Advisor's Signature**

**Date**

**Student Name**

**PID**