

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

### COURSE REQUIREMENTS

#### Core Coursework (four units)

ECE 250 Random Processes

Core Course	
	ECE 250
<b>Total: 4 Units</b>	

#### Twenty-four additional units selected from the following

ECE 255 A-B	Information Theory, Source Coding I
ECE 259 A-B-C	Algebraic Coding, Probabilistic Coding, Advanced Topics in Coding
ECE 252 A-B	Speech Compression, Speech Recognition
ECE 253	Fundamentals of Digital Image Processing
ECE 254	Detection Theory
ECE 258 A-B	Digital Communication
ECE 257 A-B -C	Multiuser Communication Systems, Principles of Wireless Networks, Stochastic Wireless Networks Models
ECE 271 A-B	Statistical Learning I and II

Additional Courses	
<b>Total: 24 Units</b>	

#### Technical Electives (twenty units)

- 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 12 units of undergraduate ECE coursework (ECE 111+ only) may be counted
- 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: 20 Units</b>	

<b>Curriculum Advisors:</b>	<b>Young-Han Kim</b>
Phone no.:	858-534-4254
E-mail:	<a href="mailto:yhk@eng.ucsd.edu">yhk@eng.ucsd.edu</a>
Office no.:	Atkinson Hall 4103

Advisor's Signature

Date

Student Name

PID