

M.S. / Ph.D. Degree Planner: Intelligent Systems, Robotics and Control (EC80)

COURSE REQUIREMENTS

Core Courses (sixteen units)

ECE 250	Random Processes
ECE 251 A	Digital Signal Processing I
ECE 271 A	Statistical Learning I
ECE 275 A	Parameter Estimation I

Core Courses	
	ECE 250
	ECE 251A
	ECE 271A
	ECE 275A
Total: 16 Units	

Twelve additional units selected from the following

ECE 251 B-C	Digital Signal Processing II, Filter Banks & Wavelets
ECE 252 A-B	Speech Compression and Speech Recognition
ECE 253	Fundamentals of Digital Image Processing
ECE 255 A-B	Information Theory, Source Coding I
ECE 270 A	Neurocomputing
ECE 271 B	Statistical Learning II
ECE 272 A	Stochastic Processes in Dynamic Systems
ECE 273	Convex Optimization and Applications
ECE 275 B	Parameter Estimation II
ECE 285	Special Topics in Signal and Image Processing/Robotics and Control Systems (offered alternate years)
CSE 250 A	Artificial Intelligence: Search and Reasoning
CSE 252 A	Computer Vision I
MAE 280 A	Linear Systems Theory
MAE 281 A	Nonlinear Systems

Additional Courses	
Total: 12 Units	

Technical Electives (twenty 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) 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	
Total: 20 Units	

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Advisor's Signature

Date

Student Name

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