UC San Diego
JACOBS SCHOOL OF ENGINEERING
Electrical and Computer Engineering

ECE Graduate Student Affairs
EBU 1, 2nd Floor
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M.S. / Ph.D. Degree Planner: Intelligent Systems, Robotics & Control (EC80) — 2018-2019

Core Coursework (16 Units):

ECE 269	Linear Algebra & Applications
ECE 271A	Statistical Learning I
ECE 272A	Stochastic Processes in Dynamic Systems I
ECE 276A	Sensing & Estimation in Robotics

Quarter / Core Course	
	ECE 269
	ECE 271A
	ECE 272A
	ECE 276A
Total: 16 units	

12 additional units selected from the following:

ECE 250	Random Processes
ECE 252A-B	Speech Compression, Recognition
ECE 253	Fundamentals of Digital Image Processing
ECE 271B-C	Statistical Learning II, Deep Learning
ECE 272B	Stochastic Processes in Dynamic Systems II
ECE 273	Convex Optimization & Applications
ECE 275A-B	Statistical Parameter Estimation I & II
ECE 276B-C	Planning/Learning in Robotics, Advances in Robot Manipulation
ECE 285	Special Topics in Signal, Image Processing, Robotics & Controls
CSE 250A	Artificial Intelligence: Search & Reasoning
CSE 252A	Computer Vision I
MAE 247	Cooperative Control of Multi-Agent Systems
MAE 280A	Linear Systems Theory
MAE 281A	Nonlinear Systems

Quarter / Additional Units	
Total: 12 units	

Technical Electives (20 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*) OR up to two 4-unit course of undergraduate ECE coursework (ECE 111+ only*) and one 4-unit course of CSE undergraduate coursework (CSE100+ only**) 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.
- All courses counted towards the degree must be taken for a letter grade.

Quarter / Tech. Electives	
Total: 20 units	

* Not including ECE 195, 197, 198, or 199
** Not including CSE 123A, 140, 140L, or 143

Curriculum Advisor: Nuno Vasconcelos (FALL 2018) // Behrouz Touri (WINTER & SPRING 2019)	
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Advisor's Signature Date

Print Student Name (Last, First) UCSD Email PID