

M.S. / Ph.D. Degree Planner: Signal Imaging & Processing (EC82) – 2018-2019

Minimum of 12 units (Plan I) or 14 units (Plan II) must be 201+ ECE courses that must count towards your degree. All courses counted towards the degree must be taken for a letter grade.

Core Coursework (16 Units):

ECE 251A	Digital Signal Processing I
ECE 251C	Filter Banks & Wavelets
ECE 253	Digital Image Processing
ECE 269	Linear Algebra

Quarter / Core Course	
	ECE 251A
	ECE 251C
	ECE 253
	ECE 269
Total: 16 units	

Additional Coursework (12 units) select from the following:

ECE 204	Statistical Learning & Bioinformatics
ECE 208	Computational Evolutionary Theory
ECE 209	Statistical Learning for Biosignal Processing
ECE 250	Random Processes
ECE 251B, D	Digital Signal Processing II, Array Processing
ECE 252A-B	Speech Compression, Recognition
ECE 254	Detection Theory
ECE 255A-B	Information Theory, Source Coding
ECE 271A-B	Statistical Learning I & II
ECE 273	Convex Optimization and Applications
ECE 275A-B	Parameter Estimation I & II

Quarter / Additional Units	
Total: 12 units	

*ECE 250 Recommended for Ph.D. students

Technical Electives (20 units)

- Any 4 unit, 200+ course from ECE, CSE, MAE, BENG, CENG, NANO, SE, MATS, MATH, or PHYS 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.
- With the exception of research units, all courses counted towards the degree must be taken for a letter grade.

Quarter / Electives	
Total: 20 units	

* Not including ECE 195, 197, 198, 199 or 298.

** Not including CSE 123A, 140, 140L, or 143

Curriculum Advisor: Pamela Cosman (FA18 & WI19) // Vikash Gilja (SP19)

Phone: 858-822-0157 // 858-822-0685

Office: Jacobs Hall/EBU1 #6607 // #4407

Email: pcosman@ucsd.edu // vgilja@ucsd.edu

Office Hours: Available via email or appointment

Advisor's Signature

Date

Print Student Name (Last, First)

UCSD Email

PID

