

M.S. / Ph.D. Degree Planner: Signal and Image Processing (EC82)

COURSE REQUIREMENTS

Core Coursework (sixteen units)

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

Core Courses	
	ECE 251 A
	ECE 251 C
	ECE 253
	ECE 269
Total: 16 Units	

Select three additional courses (twelve units) from the following

ECE 204	Statistical Learning and Bioinformatics
ECE 207	Computational Evolutionary Theory
ECE 250	Random Processes
ECE 251 B	Digital Signal Processing II
ECE 251 D	Array Processing
ECE 252 A	Speech Compression
ECE 252 B	Speech Recognition
ECE 254	Detection Theory
ECE 255 A	Information Theory
ECE 255 B	Source Coding
ECE 271 A-B	Statistical Learning I and II
ECE 273	Convex Optimization and Applications
ECE 275 A-B	Parameter Estimation I and II

**ECE 250 recommended for Ph.D. Students*

Additional Courses	
Total: 12 Units	

Technical Electives (twenty 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	
Total: 20 Units	

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Advisor's Signature

Date

Student Name

PID