

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 209	Statistical Learning for Biosignal Processing
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