- Minimum of 12 units (Plan I) or 16 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 and for **4 units**, with the exception of research units.
- Students CANNOT repeat a course unless they earned a D, F, or U grade. If you'd like to repeat a course, please submit the online form. More information about how to repeat a course can be found here.
- Must meet the Academic Residency requirement. More detailed info can be found <u>here.</u>

Core Courses: SIO 202A-B and 8 units (16 Units)

SIO 202A-B	Fundamentals of Wave Physics	
SIO 210	Physical Oceanography	
SIO 240	Marine Geology	
SIO 260	Marine Chemistry	
SIO 280	Biological Oceanography	

12 Additional Units Selected from the following

ECE 222A-B	Antennas and Their System Applications, Applied Electromagnetic Theory—Electromagnetics	
ECE 225A	Probability & Statistics for Data Science	
ECE 228	Machine Learning for Physical Applications	
ECE 240A	Lasers & Optics	
ECE 250	Random Processes	
ECE 251A-B-C-D	Digital Signal Processing I & II, Filter Banks & Wavelets, Array Processing	
ECE 253	Fundamentals of Digital Image Processing	
ECE 269	Linear Algebra & Applications	
ECE 271A-B	Statistical Learning I & II	
ECE 273	Convex Optimization & Applications	
ECE 275A-B	Parameter Estimation I & II	

Quarter (List FA##, WI##, SP## below)	Core Courses			
	SIO 202A			
	SIO 202B			
Total: 16 Units				
Quarter (List FA##, WI##, SP## below)	Additional Units			
Total: 12 Units	Total: 12 Units			
Quarter (List FA##, WI##, SP## below)	Technical Electives			
	0			
Tabal 20 Haita	l			
Total: 20 Units				

Technical Electives (20 Units)

- Any 4 unit, 200+ course from ECE, CSE, DSC, SIO, MAE, BENG, CENG, NANO, SE, MATS, MATH, or PHYS taken for a letter grade may be counted.* Exceptions to this list require departmental approval.
- The following courses are recommended, not required: ECE 278; SIO 203 A-B/MAE 294 A-B/ECE 278 and remaining courses from SIO 210, 240, 260, 280.
- Up to 12 units of undergraduate ECE coursework (ECE 111+ only**) OR up to two 4-unit courses of undergraduate ECE coursework (ECE111+ only**) and one 4-unit course of CSE undergraduate coursework (CSE 100+ only***) may be counted.
- M.S. students (Plan II) are allowed no more than 4 units of research units as technical electives. Ph.D. and M.S. students (Plan I) are allowed no more than 8 units of research as technical electives.
 - > The following research course(s) could be used toward the degree:
 - ECE 299, CSE 293/298/299, MAE 299, BENG 299, NANO 299, SE 299, DSC 299
- * Seminar courses cannot count towards the degree
- ** Not including ECE courses numbered: 195, 197, 198, 199, 210 or 298
- *** Not including CSE courses numbered: 123, 140, 140L, 143 or 294

Curriculum Advisor

EC75 Advisor Contact Information

Role: Advises graduate students regarding course selection; Considers any exception requests requiring faculty approval; Signs forms; Technical engineering related questions & job advice.

PLEASE CONTACT <u>YOUR STAFF ADVISOR</u> FOR ALL OTHER ISSUES.