- 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 here.

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

Antennas and Their System Applications, Applied Electromagnetic Theory—Electromagnetics	(List FA##, WI##, SP## below)
Probability & Statistics for Data Science	
Machine Learning for Physical Applications	
Lasers & Optics	Total: 12 Units
Random Processes	Quarter
Digital Signal Processing I & II, Filter Banks & Wavelets, Array Processing	(List FA##, WI##, SP## below)
Fundamentals of Digital Image Processing	
Linear Algebra & Applications	
Statistical Learning I & II	
Convex Optimization & Applications	
Parameter Estimation I & II	
	Applied Electromagnetic Theory—Electromagnetics Probability & Statistics for Data Science Machine Learning for Physical Applications Lasers & Optics Random Processes Digital Signal Processing I & II, Filter Banks & Wavelets, Array Processing Fundamentals of Digital Image Processing Linear Algebra & Applications Statistical Learning I & II Convex Optimization & Applications

Quarter (List FA##, WI##, SP## below) Technical Electives 0

Quarter (List FA##, WI##, SP## below)

Total: 16 Units

Quarter

Core Courses

Additional

Units

SIO 202A SIO 202B

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 195, 197, 198, 199, 210 or 298
- *** Not including CSE 123, 140, 140L, or 143

Curriculum Advisor

 \succ

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 YOUR STAFF ADVISOR FOR ALL OTHER ISSUES.