

NOTE: THIS LIST DOES NOT INCLUDE GRADUATE COURSES (500+ level courses) OFFERED BY ANY DEPARTEMNT INCLUDING THE GRADUATE SCHOOL OF OCEANOGRAPHY. Please check Course Schedule to see if a course is offered in a given semester. The URI Catalog is the "last word" on prerequisites, etc., and may be more up-to-date than this list.

Course #	Department and Course Title	Prerequisites
Anthropology		
APG 413	Peoples of the Sea	APG 203 or MAF 100
Aquaculture and Fisheries Science		
AFS 101	Freshman inquiry into fisheries and aquaculture	
AFS 102	Introductory aquaculture	
AFS 120/121	Introduction to fisheries and lab	Registration in AFS 121
AFS 201	Shellfish aquaculture	AFS 102 and 1 semester of gen. Chem.
AFS 202	Finfish aquaculture	AFS 102
AFS 211	Intro to the marine environment lab	
AFS 270	Basic scuba diving in science and technology	scuba diving physical examination
AFS 290	Small boats: their equipment and operation	
AFS 311	Exploration of marine bioresources	
AFS 312	Fish habitat	AFS 120
AFS 315/316	Living aquatic resources, and lab	AFS 210 and BIO 113 or 101
AFS 321/322	World fishing methods and lab	Registration in AFS 322
AFS 332	Interactions between fisheries and protected species	AFS 120
AFS 342	Marine auxiliary systems	
AFS 343	Vessel repair and maintenance	
AFS 362	Crustacean aquaculture	AFS 201 and 202
AFS 380	Inshore and coastal navigation	
AFS 381	Mid-ocean navigation	
AFS 400	Diseases of cultured fish	AFS 102, BIO 201 or AVS 331
AFS 401	Pathobiology	BIO 201 of AVS 331
AFS 415/416	Fishery science and lab	AFS 315, college math
AFS 421	Design of fish capture systems	AFS 321
AFS 425	Aquaculture and the environment	AFS 102
AFS 426	Ecological aquaculture	AFS 102
AFS 432	Marine finfish aquaculture	AFS 102
AFS 433	Research diving methods	SCUBA certification
AFS 476	Genetics of fish	BIO 352
AFS 481	Shellfish aquaculture lab	AFS 201
AFS 483	Salmonid aquaculture	AFS 102
AFS 486	Applied physiology of fish	BIO 341
Biological Sciences		
BIO 130	Topics in marine biology	For Freshmen
BIO 345	Marine environmental physiology	2 semesters of bio classes
BIO 355	Marine inverts of southern New England	BIO 101, 102
BIO 360	Marine biology	BIO 102, 102; Req. for Marine Biology majors
BIO 412/512X	Evolution and Diversity of Fishes	BIO 366
BIO 418	Ecology of marine plants	BIO 102, 262

BIO 455/457	Marine ecology and lab	BIO 262
BIO 458	Freshwater ecology	BIO 206 or 262, 1 semester of chem
BIO 465	Biology of algae	BIO 102
BIO 469	Tropical marine inverts	Junior standing; in Bermuda
BIO 475	Coral reef ecology	Junior standing; in Bermuda
BIO 495	Tropical marine biology research	Junior standing; in Bermuda
Chemical Engineering		
CHE 403	Intro to ocean engineering 1	Permission of instructor
CHE 404	Intro to ocean engineering 2	Permission of instructor
Civil and Environmental Engineering		
CVE 374	Environmental engineering	MTH 243
CVE 375	Environmental engineering laboratory	Credit or registration in CVE 374
CVE 470	Water and wastewater transport systems 1	CVE 370 or 374
CVE 471	Water and wastewater transport systems 2	CVE 374
CVE 474	Water quality sampling and analysis	CVE 374
CVE 475	Water in the environment	CVE 370
English		
ENG 396	Literature of the sea: The Rumowicz Seminar	
Geosciences		
GEO 277	Coastal geologic environments	GEO 103
GEO 483	Hydrogeology	GEO 103,210, MTH 131 or 141
GEO 484	Environmental Hydrogeology	GEO 483 or CVE 588 or NRS 510 or Permission of instructor
History		
HIS 130	History of the Sea	
HIS 396	Maritime history/underwater archeology field school	Junior standing, diving option requires research diving certification
HIS 490	Underwater historical archaeology	At least 3credits of History, Anthropology, or Art History, or Permission of instructor
Kinesiology		
KIN 346	Skin and scuba diving, beginners	Permission of instructor, Physical exam by deadline
KIN 347	Skin and scuba diving, advanced	KIN 346 and Physical exam by deadline
Marine Affairs		
MAF 100	Human use and management of the marine environments	
MAF 120	New England and the sea	
MAF 220	Intro to marine and coastal law	
MAF 312	The politics of the ocean	MAF 100
MAF 320	Shipping and ports	MAF 100
MAF 330	World fishing	MAF 100
MAF 410	Senior seminar in marine affairs	Senior standing
MAF 413	Peoples of the sea	See APG 413
MAF 415,515	Marine pollution policy	Junior standing or above
MAF 461	Coastal zone management	
MAF 465	GIS Applications in Coastal and Marine management	

MAF 471	Island ecosystem management	
MAF 472	Marine recreation and tourism management seminar	
MAF 475	Human responses to coastal hazards and disasters	
MAF 482	Quantitative methods in marine affairs	STA 220 or equivalent
MAF 484	Environmental analysis and policy in coastal management	
MAF 490	Field experience in marine affairs	Senior standing recommended, Permission of instructor
Mechanical Engineering and Applied Mechanics		
MCE 354	Fluid mechanics	MCE 263, EGR 106, MTH 244 or 461
MCE 415	Experimentation in fluid mechanics and thermal science	
Natural Resource Science		
NRS 361	Watershed hydrology and management	NRS 212 or Permission of Instructor
NRS 406	Wetland wildlife	BIO 262 or Permission of Instructor
NRS 412	Soil-water chemistry	NRS 212, CHM 124, 126 or Permission of Instructor
NRS 423	Wetland ecology	BIO 262, GEO 103, Enrollment in NRS 425 or 525
NRS 424	Wetlands and land use	NRS 423 or Permission of Instructor
NRS 425,525	Wetland field investigations	Enrollment in NRS 423
NRS 440	Ecosystem processes in land and water management	NRS 212, BIO 262, CHM 101 or 103 or Permission of Instructor
NRS 451	Soil and water conservation technology	MTH 111 or equivalent
NRS 452	Soil, water and land investigations	Enrollment in NRS 450
Ocean Engineering		
OCE 101	Intro to ocean engineering	
OCE 205	Ocean engineering design tools	EGR 106
OCE 206	Ocean instrumentation	
OCE 215	Ocean engineering design 1	
OCE 216	Ocean engineering design 2	OCE 215
OCE 301	Fundamentals of ocean mechanics	MTH 243, MCE 263, OCE 206, CVE 220
OCE 307	Intro to eng. Wave mechanics and littoral processes	MCE 354 or Permission of Instructor
OCE 310	basic Ocean measurement	OCE 206 or Permission of Instructor
OCE 311	Coastal measurements and applications	
OCE 360	Robotic ocean instrumentation design	OCE 216 or Permission of Instructor
OCE 421	Marine structure design	OCE 307
OCE 422	Offshore structure and foundation	OCE 421, CVE 381 or Permission of Instructor
OCE 425	Coastal experiments	MTH 107 or 108 or equivalent
OCE 471	Underwater acoustics	OCE 301
OCE 472	Sonar systems design	OCE 471
Oceanography		
OCG 110	The ocean planet	
OCG 123	Oceans, atmospheres, and global change	
OCG 131	Volcanoes and the environment	
OCG 401	General oceanography	Lab course in physics or biology

OCG 420	Deep-Sea Biology	One sem. Gen. Bio, gen chem. Recommend: one semester of ecology and oceanography
OCG 451	Oceanographic science	MTH 131, 132 or 141, 142, CHM 101, 102 or 191, PHY 111, 185 or 203, 273 or 213, 285 Recommend: CHM 112, 114 or 192
OCG 480	Intro to marine pollution	CHM 101 or 103, GEO 100 or 103
Physics		
PHY 425	Acoustics	Permission required
Resource Economics		
REN 410	Fish and wildlife economics	REN 310 or ECN 328 or ECN 323
REN 435	Aquaculture economics	REN 105 or ECN 201
Statistics		
STA 409	Research statistics 1	MTH 131 or 141
STA 412	Research statistics 2	MTH 131 or 141 or STA 409
STA 550	Ecological statistics	STA 409