

Marine Science, BS

4-Year Pathway 2025/26-2029/30

Fall Freshman Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units	Requirements Met <small>GE/UR/Major</small>
FYS 143 or 145 or 148	FYS that fulfills GE area 3B	3	3B, FYS
MATH 130 (w MATH 30 if needed)	Precalculus (w co-req support course)	5	2
HCOM 125 or SSCI 110	Critical Reading and Writing	3	1A
CHEM 109	Introductory Chemistry	3	5A
MSCI 185	Adventures in Marine Science	1	Elective
Spring Freshman Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units	Requirement Met <small>GE/UR/Major</small>
HCOM 110	Fundamentals of Speaking & Listening	3	1C
MATH 150	Calculus I	4	2, major
CHEM 110 + CHEM 110L	General Chemistry I & Chem 1 Lab	4+1	5A, 5C, major
Any 3A GE course	Arts General Education course	3	3A
Fall Sophomore Courses <small>Course Prefix and Number</small>	Course Title <small>Abbreviate Course Title</small>	Units	Requirement Met <small>GE/UR/Major</small>
HCOM200, HCOM202, BIO131 or ENSTU130	Critical Thinking GE	3	1B
CHEM 111 & CHEM 111L	General Chemistry II & Chem II Lab	4+1	Major

MSCI 270	Intro to Oceanography	3	Major
SBS 249 or HCOM 243	US History with Ethnic Studies	3	6, US1
Spring Sophomore Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
BIO 211 & BIO 211L	Ecology, Evolution, Biodiv, Plants & Lab	4+1	5B, 5C, Major
BIO 211D	Ecol, Evol, Biodiv & Plant Discussion	1	optional
SL210S, ED212S, HCOM260S, SBS212S	Civics/Service Learning GE course	3	DCSL, US2&3
PHYS 220	Physics I with Lab	4	Major
Elective	Any Class	3	Elective
Fall Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
BIO 210 & BIO 210L	Cell & Molec Bio & Animal Physio & Lab	4+1	Major
STAT 250	Applied Stats for Science & Tech	4	Major
ENSTU 280 or BUS 201 or 202	Environ Econ or Macro or Micro Econ	3	4A, Major
Elective	Any Class	3	Elective
Spring Junior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
MSCI 340 and MSCI 340L	Marine Ecology & Marine Ecology Lab	3+3	Major, GWAR

MSCI 345	Marine Biodiversity	3	UD5, Major
MSCI 370	Biological-Physical Oceanography	4	Major
MSCI 3xx or BIO 330, BIO 340, BIO 380	MSCI group A elective	4	Group A elective
Fall Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
MSCI 350	Quantitative Marine Science	4	Major
MSCI 359S or BIO 379S or ENSTU 3xxS	MSCI or BIO or ENSTU Svc Learn	3	UDSL, Major
ENVS 332	Intro GIS/GPS	4	Major
MSCI 3xx or 4xx or BIO 330, BIO 340, BIO 380 or BIO 420	MSCI group A elective not taken previously	3	Group A elective
Spring Senior Courses Course Prefix and Number	Course Title Abbreviate Course Title	Units	Requirement Met GE/UR/Major
MSCI 430 or 445 or 455 or 437 or 472 (spring) or take MSCI 475 or 485 in Fall senior year	MSCI Capstone Project Course	4	Major
MSCI 410	MSCI Group Capstone	1	Major
MSCI Group A or B elective	MSCI Group A or B elective	3	Major
SPAN 340 or 350 or JAPN 340 or 350	UD3 with World Culture & languages	3	UD3, WCL
Upper-division Social & Behavioral Sciences GE	UD4 Social & Behavioral Science	3	UD4