

## Marine Science 4-Year Pathway

Fall Freshman Courses (15 units total)	Course or GE Title	Units	GE/Major
FYS 146 or 147 or 148	FYS that fulfills GE area C2	3	C2, FYS
MATH 130 (w MATH 30 if needed)	Precalculus (w co-req support course)	5	B4
HCOM 120 or ENSTU 120	Critical Reading and Writing	3	A2
CHEM 109	Introductory Chemistry	3	B1
MSCI 185	Adventures in Marine Science	1	elective
Spring Freshman Courses (15 units total)	Course or GE Title	Units	GE/Major
HCOM 110	Fundamentals of Speaking & Listening	3	A1
MATH 150	Calculus I	4	B4, major
CHEM 110	General Chemistry I	4	B1, major
CHEM 110L	General Chemistry I Lab	1	B3, major
Any C1 GE course	Arts General Education course	3	C1
Fall Sophomore Courses (15 units total)	Course or GE Title	Units	GE/Major
HCOM200, HCOM202, BIO131 or ENSTU131	Critical Thinking GE	3	A3
CHEM 111	General Chemistry II	4	Major
CHEM 111L	General Chemistry II Lab	1	Major
PHYS 220	Physics I with Lab	4	Major
HCOM 251 or 265 or SBS 111 or 112 or 246	US History GE	3	DHIST, US1
Spring Sophomore Courses (14 units total)	Course or GE Title	Units	GE/Major
BIO 210	Cell & Molec Bio & Animal Physiol	4	B2, Major
BIO 210L	Cell & Molec Bio & Animal Physiol LAB	1	B3, Major
MSCI 270	Intro to Oceanography	3	Major
SL210S, ED212S, GS280S, HCOM260S, SBS212S	Civics/Service Learning GE course	3	DCSL, US2&3
HDFS 200, KIN 161, KIN 263, PSY 210	Area E Lifelong Lrng & Self-Devel	3	E
Fall Junior Courses (16 units total)	Course or GE Title	Units	GE/Major
BIO 211	Ecology, Evolution, Biodiv & Plants	4	Major
BIO211L and BIO 211D	Ecology, Evol, Biodiv & Plant Lab&Disc	2	Major
STAT 250	Applied Stats for Science & Tech	4	Major
ENSTU 280 or BUS 201 or 202	Environ Econ or Macro or Microecon	3	DGSS, Major
Additional C1 or C2 course	Lower-division Arts or Humanities	3	C1 or C2
Spring Junior Courses (16 units total)	Course or GE Title	Units	GE/Major
MSCI 340	Marine Ecology	5	GWAR, major
MSCI 345	Marine Biodiversity	3	UDB, Major
MSCI 370	Biological-Physical Oceanography	4	Major
MSCI Group A elective (Capstone prereq)	MSCI Elective/Capstone Prereq	4	Major elect
Fall Senior Courses (15 units total)	Course or GE Title	Units	GE/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 Group A elective	MSCI Group A elective	4	Major
Spring Senior Courses (14 units total)	Course or GE Title	Units	GE/Major
MSCI 430, MSCI 437, MSCI 445 or MSCI 455	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	UD C with World Culture & languages	3	UDC, WCL
HCOM 343 353,369,393, HDFS 320,321; LS 310,362; PH417; or SBS 304,320,364	UD Social Science with Ethnic Studies	3	UDD, ES
<b>Total Units Marine Science 4-yr path</b>		<b>120</b>	

