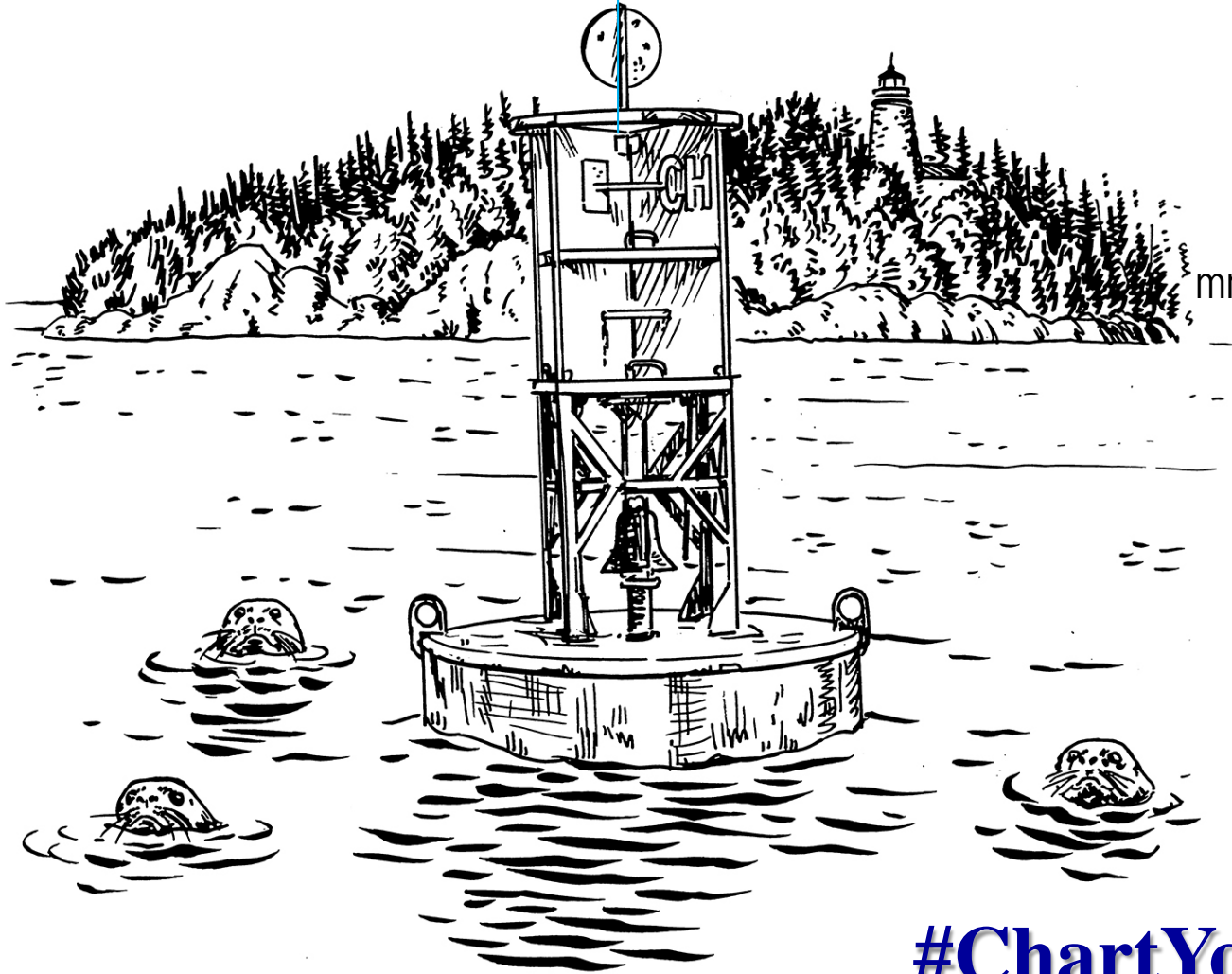


Corning School of Ocean Studies



mma_oceanstudies

#ChartYourPath

www.mainemaritime.edu/ocean-studies/

MAINE MARITIME
ACADEMY

Faculty Representative



Jessica F. Muhlin, Ph.D.
Associate Professor of Marine Biology
Chair of Ocean Studies
jessica.muhlin@mma.edu

Student Ambassadors



Abby L'Abbe
Marine Science (Class of 2020)
NROTC, USS Bonhomme Richard
Cross country team, IT, Admissions



Phoebe Churney
Marine Biology/SVO (Class of 2023)
Dive Teaching Assistant

Ice breaker: What do you love about the ocean?



One department, six majors

Marine Biology

Focus on organisms of the sea (ecology, physiology, cell biology, genetics)
(MB)

Coastal and Marine Environmental Science

Focus on human impacts of the coastal ocean & its future
(CMES)

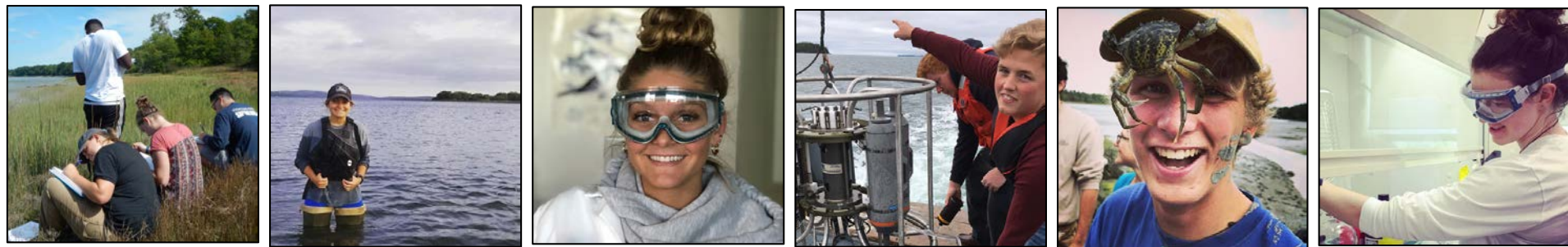
Oceanography

Focus on physical, chemical, biological and geological processes
(OCE)

Dual Major Option

Ocean Studies offers all majors the opportunity to pursue a dual major with **Small Vessel Operations**

AAUS Scientific Diving Certification



What we offer: OS majors

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What if I don't know which major is for me?

Marine Biology **Coastal and Marine Environmental Science** **Oceanography**

Common First Year

Different Second/Third Year

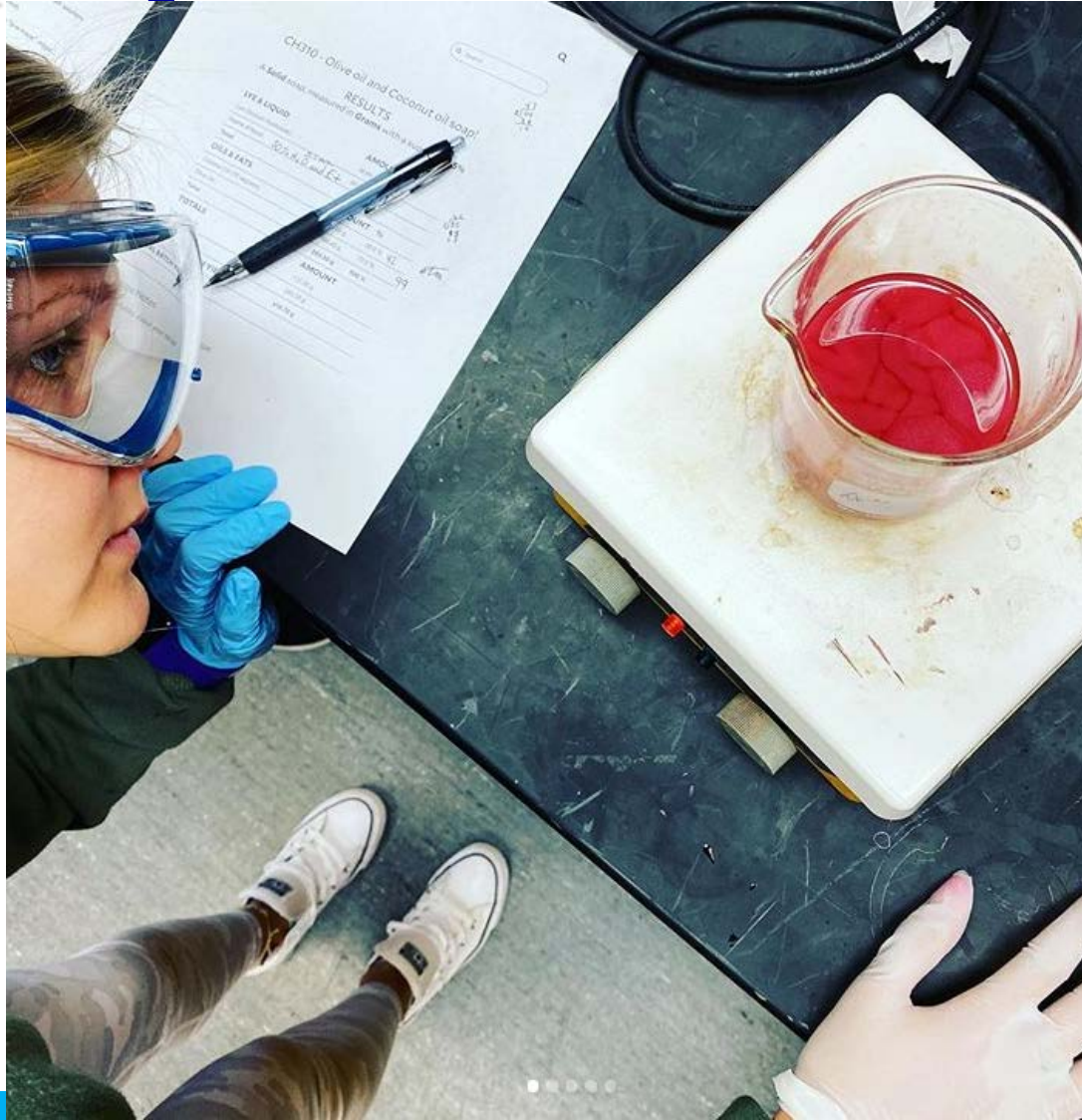
Research in Junior/Senior Semesters



What we offer

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Student perspective



What we offer: **skills, knowledge**

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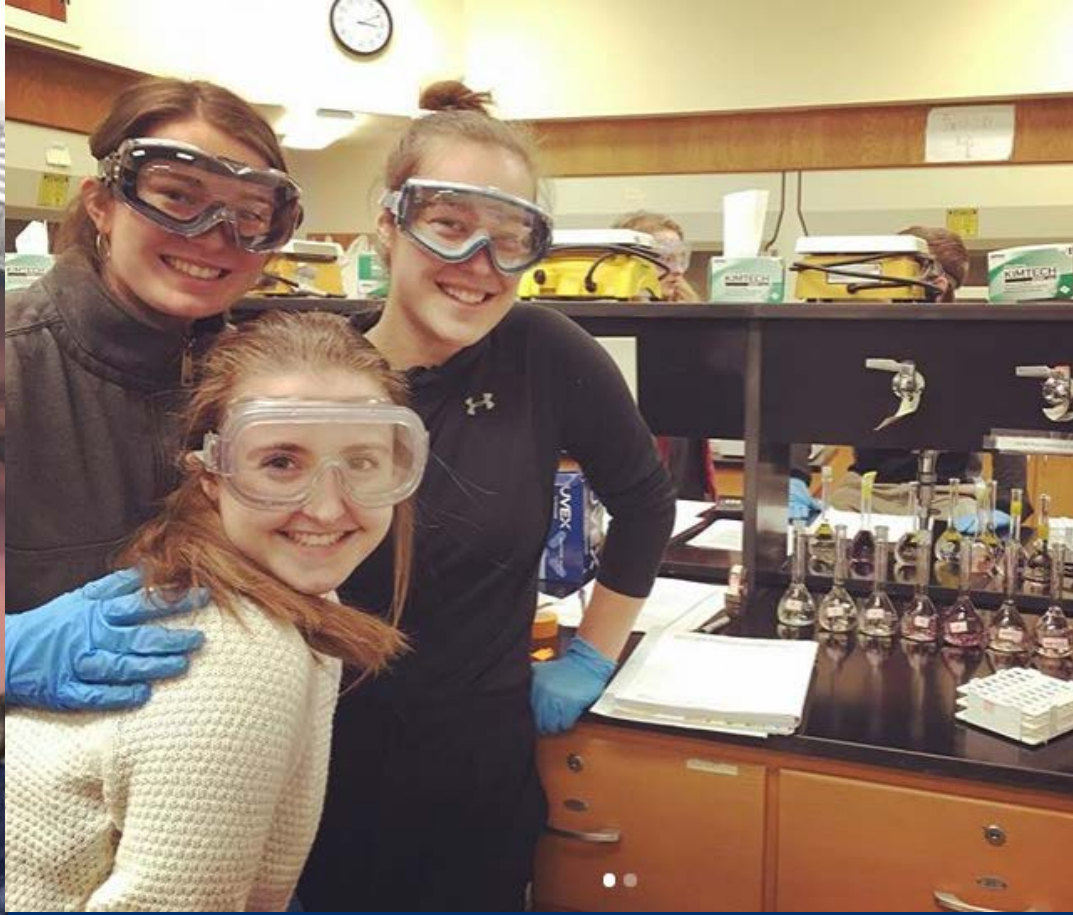
Who we are: a community of ocean scientists

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Who we are: **immersive, hands-on**

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Who we are: student-centered

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Where you will go: **ocean laboratory**

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©mabarker



Where you will go: summer experiences

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Where you will go: professions word cloud

MAINE MARITIME ACADEMY

Looking forward to seeing you on campus!

Available for Q & A at 7:30pm

Can Zoom one-on-one with any student or parent



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**MAINE MARITIME
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Where you will go: **graduate stories**

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Ocean Studies Curricula

Temporary link on Ocean Studies website

www.mainemaritime.edu/ocean-studies/

FIRST YEAR - MB

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi101	General Biology I	4.0	Bi102	General Biology II	4.0
Ch210	Chemistry I	4.0	Ch220	Chemistry II	4.0
Ms101	Pre-Calculus	4.0	Ms150	Calculus	4.0
Os101	Introduction to Oceanography and Environmental Science	4.0	Hc111	Composition	3.0
			Os001	Seminar 1	1.0
Fy100	First Year Experience	1.0	PeXXX	Swim-related PE course	0.5
Os000	Seminar 0	0.0			
	Total	17.0		Total	16.5

SECOND YEAR – MB

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi220	Marine Botany <i>Writing Intensive</i>	4.0	Bi210	Marine Zoology	4.0
Ch310	Introduction to Organic Chemistry <i>Writing Intensive</i>	4.0	Os212	Chemical Oceanography	4.0
Hc220	Humanities I	3.0	Os203	Design and Applied Statistics	4.0
	Hum-SS elective	3.0	Ps102	Tech Physics I	4.0
Os002	Seminar 2	1.0	Os003	Seminar 3	1.0
	Total	15.0		Total	17.0

THIRD YEAR – MB

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi201	Ecology	4.0	Os400	Research Prep	4.0
Bi301	Marine Organism Physiology	4.0	Bi308	Cell Biology	4.0
Os210	Physical Oceanography	4.0		Depart./Program Elective	3.0-4.0
Ps301	Tech Physics III	4.0		Depart./Program Elective	3.0-4.0
Os004	Seminar 4	1.0	OS005	Seminar 5	1.0
	Total	17.0	PeXX X	Any PE course	0.5
				Total	15.5-16.5

FOURTH YEAR - MB

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os401	Research	4.0	Bi312	Genetics	3.0
Hc230	Humanities II	3.0		Hum-SS Elective	3.0
	Free Elective	3.0		Free Elective	3.0
	Hum-SS Elective	3.0		Free Elective	3.0
Os006	Seminar 6	1.0			
	Total	14.0		Total	12.0

Marine Biology (MB) curriculum

MAINE MARITIME
ACADEMY

FIRST YEAR – MB/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi101	General Biology I	4.0	Bi102	General Biology II	4.0
Ch210	Chemistry I	4.0	Ch220	Chemistry II	4.0
Ms101	Pre-Calculus	4.0	Ms150	Calculus	4.0
Os101	Introduction to Oceanography and Environmental Science	4.0	Hc111	Composition	3.0
Fy100	First Year Experience	1.0	Os001	Seminar 1	1.0
Os000	Seminar 0	0.0	Total		16.0
Pc114	Ocean Survival	0.5			
Total		17.5			

THIRD YEAR – MB/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi301	Marine Organism Physiology	4.0	Os400	Research Prep	4.0
Bi201	Ecology	4.0	Bi308	Cell Biology	4.0
Os210	Physical Oceanography	4.0		Depart./Program Elective	3.0-4.0
Ps301	Tech Physics III	4.0		Depart./Program Elective	3.0-4.0
Os004	Seminar 4	1.0	Ns241	Seamanship	2.0
Ns103	Introduction to Vessel Operations	2.0	Os005	Seminar 5	1.0
Total		19	Total		17.0

SECOND YEAR – MB/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi220	Marine Botany <i>Writing Intensive</i>	4.0	Bi210	Marine Zoology	4.0
Ch310	Introduction to Organic Chemistry <i>Writing Intensive</i>	4.0	Os212	Chemical Oceanography	4.0
Hc220	Humanities I	3.0	Os203	Design and Applied Statistics	4.0
Ns101	Introduction to Nautical Science	2.0	Ps102	Tech Physics I	4.0
	Hum/SS Elective	3.0	OS003	Seminar 3	1.0
Os002	Seminar 2	1.0	USCG2	Firefighting live burn	0.0
Pe100	Basic Sailing	0.5	USCG3	Lifeboat Exam	0.0
USCG1	Firefighting	0.0	Total		17.0
Total		17.5			

FOURTH YEAR – MB/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os401	Research	4.0	Bi312	Genetics	3.0
Hc230	Humanities II	3.0		Dept./Program Elective	3.0-4.0
	Hum-SS Elective	3.0		Free Elective	3.0
Os006	Seminar 6	1.0		Free Elective	3.0
Ns132	Small Craft Technology	3.0		Free Elective	3.0
Ns135	Small Craft Construction	3.0		Total	15.0-16.0
Total		17.0	Summer		
Course Number	Course Title	Credits			
Co223	SVO Coop	3.0			

FIFTH YEAR – MB/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Ns122	Cargo I	3.0	Ns221	Meteorology	3.0
Ns232	Marine System	3.0	Ns262	Navigation Rules	3.0
Ns271	Terrestrial Navigation	3.0	Ns292	Electronic Navigation	3.0
Ns272	Terrestrial Navigation Lab	1.0	Ns293	Electronic Navigation Lab	1.0
Nsxxx	SVO Departmental Elective	3.0	Ns298	Topics in Small Vessel Operations	2.0
	Total	13.0	Ns299	200 Ton License seminar	1.0
			Total		13.0

FIRST YEAR - CMES

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi101	General Biology I	4.0	Bi102	General Biology II	4.0
Ch210	Chemistry I	4.0	Ch220	Chemistry II	4.0
Ms101	Pre-Calculus	4.0	Ms150	Calculus	4.0
Os101	Introduction to Oceanography and Environmental Science	4.0	Hc111	Composition	3.0
Fy100	First Year Experience	1.0	Os001	Seminar 1	1.0
Os000	Seminar 0	0.0	PeXXX	Swim-related PE course	0.5
	Total	17.0		Total	16.5

SECOND YEAR - CMES

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
	Hum-SS elective	3.0	Ps102	Tech Physics I	4.0
Hc220	Humanities I	3.0	Os212	Chemical Oceanography	4.0
Os204	Physical Geology	4.0	Os203	Design and Applied Statistics	4.0
En202	Introduction to Sustainability	3.0	Os225	Land Margin Ecosystems	4.0
Os002	Seminar 2	1.0	Os003	Seminar 3	1.0
	Total	14.0		Total	17.0

THIRD YEAR - CMES

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Oc210	Physical Oceanography	4.0	Os400	Research Prep	4.0
Bi201	Ecology	4.0	Ge221	GIS	4.0
Os230	Global Environmental Change <i>Writing Intensive</i>	3.0		Hum-SS Elective	3.0
Ps301	Tech Physics III	4.0		Depart./Program Elective	3.0
Os004	Seminar 4	1.0	Os005	Seminar 5	1.0
PeXXX	Any PE course	0.5		Total	15.0
	Total	16.5			

FOURTH YEAR - CMES

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os401	Research	4.0		Dept./Program Elective	3.0
Hc230	Humanities II	3.0		Hum-SS Elective	3.0
	Depart./Program Elective	3.0		Free Elective	3.0
Os321	Coastal Resource Management	3.0		Free Elective	3.0
Os006	Seminar 6	1.0		Total	12.0
	Total	14.0			

FIRST YEAR – CMES/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi101	General Biology I	4.0	Bi102	General Biology II	4.0
Ch210	Chemistry I	4.0	Ch220	Chemistry II	4.0
Ms101	Pre-Calculus	4.0	Ms150	Calculus	4.0
Os101	Introduction to Oceanography and Environmental Science	4.0	Hc111	Composition	3.0
Fy100	First Year Experience	1.0	Os001	Seminar 1	1.0
Os000	Seminar 0	0.0			
Pe114	Ocean Survival	0.5			
	Total	17.5		Total	16.0

SECOND YEAR – CMES/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
	Hum-SS elective	3.0	Ps102	Tech Physics I	4.0
Hc220	Humanities I	3.0	Os212	Chemical Oceanography	4.0
Os204	Physical Geology	4.0	Os203	Design and Applied Statistics	4.0
En202	Introduction to Sustainability	3.0	Os225	Land Margin Ecosystems	4.0
Os002	Seminar 2	1.0	Os003	Seminar 3	1.0
Ns101	Introduction to Nautical Science	2.0	USCG2	Firefighting live burn	0.0
Pe100	Basic Sailing	0.5	USCG3	Lifeboat Exam	0.0
USCG1	Firefighting	0.0			
	Total	16.5		Total	17.0

THIRD YEAR – CMES/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Oc210	Physical Oceanography	4.0	Os400	Research Prep	4.0
Bi201	Ecology	4.0	Ge221	GIS	4.0
Os230	Global Environmental Change <i>Writing Intensive</i>	3.0		Hum-SS Elective	3.0
Ps301	Tech Physics III	4.0		Depart./Program Elective	3.0
Os004	Seminar 4	1.0	Os005	Seminar 5	1.0
Ns103	Introduction to Vessel Operations	2.0	Ns241	Seamanship	2.0
PeXXX	Any PE course	0.5	PeXXX	Any PE course	0.5
	Total	18.5		Total	17.5

FOURTH YEAR – CMES/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os401	Research	4.0		Dept./Program Elective	3.0
Hc230	Humanities II	3.0		Dept./Program Elective	3.0
Os321	Coastal Resource Management	3.0		Hum-SS Elective	3.0
Os006	Seminar 6	1.0		Free Elective	3.0
Ns132	Small Craft Technology	3.0		Free Elective	3.0
Ns135	Small Craft Construction	3.0		Total	15.0
	Total	17.0			

Summer		
Course Number	Course Title	Credits
Co223	SVO Coop	3.0

FIFTH YEAR – CMES/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Ns122	Cargo I	3.0	Ns221	Metereology	3.0
Ns232	Marine System	3.0	Ns262	Navigation Rules	3.0
Ns271	Terrestrial Navigation	3.0	Ns292	Electronic Navigation	3.0
Ns272	Terrestrial Navigation Lab	1.0	Ns293	Electronic Navigation Lab	1.0
Nsxxx	SVO Departmental Elective	3.0	Ns298	Topics in Small Vessel Operations	2.0
	Total	13.0	Ns299	200 Ton License seminar	1.0
			Total		13.0

FIRST YEAR – OCE

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi101	General Biology I	4.0	Bi102	General Biology II	4.0
Ch210	Chemistry I	4.0	Ch220	Chemistry II	4.0
Ms101	Pre-Calculus	4.0	Ms150	Calculus	4.0
Os101	Introduction to Oceanography and Environmental Science	4.0	Hc111	Composition	3.0
Fy100	First Year Experience	1.0	Os001	Seminar 1	1.0
Os000	Seminar 0	0.0		Total	16.0
	Total	17.0			

THIRD YEAR – OCE

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os213	Biological Oceanography	3.0	Os400	Research Prep	4.0
	Hum/SS Elective	3.0		Depart./Program Elective	3.0-4.0
Ps301	Tech Physics III	4.0		Hum/SS Elective	3.0
Os210	Physical Oceanography	4.0		Depart./Program Elective	3.0-4.0
Os004	Seminar 4	1.0	OS005	Seminar 5	1.0
PeXXX	Any PE course (optional)	0.5		Total	14-16
	Total	15.5			

SECOND YEAR – OCE

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi220 or Ch310	Marine Botany or Organic Chemistry <i>Writing Intensive</i>	4.0	Os211	Geological Oceanography	3.0
Ns101	Introduction to Nautical Science	2.0	Os212	Chemical Oceanography	4.0
Hc220	Humanities I	3.0	Os203	Design and Applied Statistics in Science	4.0
Os204	Physical Geology	4.0	Ps102	Tech Physics I	4.0
	Free Elective	3.0	Os003	Seminar 3	1.0
Os002	Seminar 2	1.0	PeXX	Swim-related PE	0.5
	Total	17.0		Total	16.5

FOURTH YEAR – OCE

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os401	Research	4.0		Depart./Program Elective	3.0-4.0
Hc230	Humanities II	3.0		Free Elective	3.0
	Depart./Program Elective	3.0-4.0		Free Elective	3.0
	Hum-SS Elective	3.0		Free Elective	3.0
Os006	Seminar 6	1.0		Total	12-13
	Total	14-15			

Oceanography (OCE) curriculum

MAINE MARITIME
ACADEMY

FIRST YEAR – OCE/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi101	General Biology I	4.0	Bi102	General Biology II	4.0
Ch210	Chemistry I	4.0	Ch220	Chemistry II	4.0
Ms101	Pre-Calculus	4.0	Ms150	Calculus	4.0
Os101	Introduction to Oceanography and Environmental Science	4.0	Hc111	Composition	3.0
Fy100	First Year Experience	1.0	Os001	Seminar 1	1.0
Os000	Seminar 0	0.0	Total		16.0
Pe114	Ocean Survival	0.5			
Total		17.5			

THIRD YEAR – OCE/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os213	Biological Oceanography	3.0	Os400	Research Prep	4.0
Os210	Physical Oceanography	4.0		Depart./Program Elective	3.0-4.0
	Hum/SS Elective	3.0		Free Elective	3.0
Ps301	Tech Physics III	4.0		Depart./Program Elective	3.0-4.0
Os004	Seminar 4	1.0	OS005	Seminar 5	1.0
Ns103	Introduction to Vessel Operations	2.0	Total		14-16
Total		17			

SECOND YEAR – OCE/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Bi220 or Ch310	Marine Botany or Introduction to Organic Chemistry <i>Writing Intensive</i>	4.0	Os211	Geological Oceanography	3.0
Hc220	Humanities I	3.0	Ps102	Tech Physics I	4.0
Ns101	Introduction to Nautical Science	2.0	Os212	Chemical Oceanography	4.0
Os214	Physical Geology	4.0	Os203	Design and Applied Statistics in Science	4.0
	Hum-SS elective	3.0	Ns241	Seamanship	2.0
Os002	Seminar 2	1.0	Os003	Seminar 3	1.0
Pe100	Basic Sailing	0.5	USCG 2	Firefighting live burn	0.0
USCG1	Firefighting	0.0	USCG 3	Lifeboat Exam	0.0
Total		17.5	Total		18.0

FOURTH YEAR – OCE/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Os401	Research	4.0		Dept./Program Elective	3.0-4.0
Hc230	Humanities II	3.0		Free Elective	3.0
	Hum-SS Elective	3.0		Free Elective	3.0
	Dept./Program Elective	3.0-4.0		Free Elective	3.0
Os006	Seminar 6	1.0		Total	12-13
Ns132	Small Craft Technology	3.0	Summer		
Ns135	Small Craft Construction	3.0	Course Number	Course Title	Credits
Total		17.0	Co223	SVO Coop	3.0

FIFTH YEAR – OCE/SVO

Fall			Spring		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
Ns122	Cargo I	3.0	Ns221	Meteorology	3.0
Ns232	Marine System	3.0	Ns262	Navigation Rules	3.0
Ns271	Terrestrial Navigation	3.0	Ns292	Electronic Navigation	3.0
Ns272	Terrestrial Navigation Lab	1.0	Ns293	Electronic Navigation Lab	1.0
Nsxxx	SVO Departmental Elective	3.0	Ns298	Topics in Small Vessel Operations	2.0
	Total	13.0	Ns299	200 Ton License seminar	1.0
			Total		13.0