

Coastal Meteorology (CoMet) Concentration

ADMISSION to the B.S. in Coastal & Environmental Sciences curriculum requires that a student be admissible to the College of the Coast & Environment; earned at least 24 semester hours of college credit; have a Cumulative and LSU GPA of at least 2.0; and have passed all courses in mathematics and science with a "C" or better; or received special approval from the dean of the school.

CRITICAL REQUIREMENTS

Semester 1: Credit in MATH 1022/1023; 2.0 Cumulative and LSU GPA.

Semester 2: "C" or better in CHEM 1201; "C" or better in ENGL 1001 or 1004; 2.0 Cumulative and LSU GPA.

Semester 3: "C" or better in BIOL 1201; 2.0 Cumulative and LSU GPA.

Semester 4: "C" or better in MATH 1552; 2.0 Cumulative and LSU GPA.

Semester 5: "C" or better in PHYS 2110; 2.0 Cumulative and LSU GPA.

RECOMMENDED PATH**Semester 1**

Critical: Credit in MATH 1022/1023; 2.0 Cumulative and LSU GPA

ENVS 1010 Introduction to Coastal Environmental Sciences	<i>or</i>
OCS 1010 Introduction to Coastal Environmental Sciences	1
ENGL 1001 English Composition	3
BIOL 1201 Biology For Science Majors I	3
BIOL 1208 Biology For Science Majors I	1
CHEM 1201 General Chemistry I	3
MATH 1550 Analytic Geometry & Calculus I	<u>5</u>
Total Semester Hours:	16

Semester 2

Critical: "C" or better in CHEM 1201; "C" or better in ENGL 1001 or 1004; 2.0 Cumulative and LSU GPA.

ENVS 1126 Intro to Environmental Sciences	<i>or</i>
ENVS 1127 Honors: Intro to Environmental Science	3
BIOL 1202 Biology for Science Majors II	3
BIOL 1209 Biology for Science Majors II	1
CHEM 1202 General Chemistry II	3
CHEM 1212 General Chemistry Laboratory	2
MATH 1552 Analytical Geometry & Calculus II	<u>4</u>
Total Semester Hours:	16

Semester 3

Critical: "C" or better in BIOL 1201; 2.0 Cumulative and LSU GPA.

OCS 2007 Intro to Marine Sciences: Geological and Physical	3
OCS 2013 Extreme Coastal Weather	3
MATH 2057 Multidimensional Calculus	<i>or</i>
ENVS 3102 Mathematical Methods in Science	<i>or</i>
OCS 4410 Ecosystem Modeling and Analysis	3
PHYS 2110 Particle Mechanics	3
General Education Course – Arts	<u>3</u>
Total Semester Hours:	15

Semester 4

Critical: "C" or better in MATH 1552; 2.0 Cumulative and LSU GPA.

EXST 2201 Intro to Statistical Analysis	4
CHEM 2060 Survey of Organic Chemistry	<i>or</i>
CHEM 2261 Organic Chemistry	3
OCS 2008 Intro to Marine Sciences: Life Processes	3
PHYS 2113 Fields: Gravity, Electricity, and Magnetism	3
General Education Course – Social Sciences	<u>3</u>
Total Semester Hours:	16

Semester 5

Critical: "C" or better in PHYS 2110; 2.0 Cumulative and LSU GPA.

ENGL 2000 English Composition	3
OCS 2020 Intro to Marine Sciences: Field and Lab Methods	2
OCS 3013 Atmospheric and Oceanic Circulation	3
OCS 3103 Global Environmental Cycles	3
PHYS 2108 Introductory Physics Laboratory for Majors	1
Approved CES Electives	<u>3</u>
Total Semester Hours:	15

Semester 6

OCS 4013 Survey of Coastal Meteorology	3
PHYS 2109 General Physics Laboratory for Majors	1
Approved CES Elective	3
General Education Course – Humanities	3
Approved CoMet Electives *	<u>3</u>
Total Semester Hours:	13

Semester 7

ENVS 4149 Design of Environ Mgmt Systems	3
OCS 3200 Hurricanes & Typhoons	3
General Education Course – Humanities	3
General Education Course - Social Sciences (2000-level)	3
Approved CES Electives	<u>3</u>
Total Semester Hours:	15

Semester 8

ENVS 4999 Capstone in CES	<i>or</i>
OCS 4999 Capstone in CES	1
General Education Course – Humanities	3
Approved Electives	3
Approved CoMet Electives *	4
Approved CES Electives	<u>3</u>
Total Semester Hours:	14

Required Total Hours**120**

* Approved Coastal Meteorology (CoMet) Electives include: OCS 4017 (Field Course in Coastal Meteorology), OCS 4019 (Surface-Atmosphere Interactions), OCS 4021 (Forecasting Coastal Weather), GEOG 4221 The Tropical Atmosphere.