

**COMET Concentration**

(Coastal Meteorology Concentration)

**CRITICAL REQUIREMENTS**

- Sem 1: Credit in MATH 1022/1023; 2.0 Cumulative and LSU GPA.
- Sem 2: "C" or better in CHEM 1201; "C" or better in ENGL 1001 or 1004; 2.0 Cumulative and LSU GPA.
- Sem 3: "C" or better in BIOL 1201; 2.0 Cumulative and LSU GPA.
- Sem 4: "C" or better in MATH 1552; 2.0 Cumulative and LSU GPA.
- Sem 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/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	5
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 or ENVS 1127 Honors: Intro to Environmental Science	3
BIO 1202 BIOLOGY FOR SCIENCE MAJORS II	3
BIO 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	4
Total Semester Hours:	15

**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 or ENVS 3102 Mathematical Methods in Science or OCS 4410 Ecosystem Modeling and Analysis	3
PHYS 2110 Particle Mechanics	3
General Education Course – Arts	3
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 or CHEM 2261 Organic Chemistry	3
OCS 2008 Intro to Marine Sciences: Life Processes	3
PHYS 2112 Fluids, Thermodynamics, Waves, and Modern Physics or PHYS 2113 Fields, Gravity, Electricity, and Magnetism	3
General Education Course – Social Sciences	3
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	3
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 *	3
Total Semester Hours:	13

**Semester 7**

ENVS 4149 DESIGN OF ENVIRON MGMGT SYSTEMS	3
OCS 3200 HURRICANES & TYPHOONS	3
GEN. ED. COURSE - SOCIAL SCIENCES (2000-level)	3
GEN. ED. COURSE - HUMANITIES	3
APPROVED CES ELECTIVES	3
Total Semester Hours:	15

**Semester 8**

ENVS/OCS 4999 CAPSTONE IN CES	1
GEN. ED. COURSE – HUMANITIES	3
APPROVED ELECTIVES	3
APPROVED COMET ELECTIVES *	4
APPROVED CES ELECTIVES	3
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.