



Program of Study

Degree Requirements (128 hours)

1. Carolina Core (34-46 hours)

- a. **CMW** (6 hours): any approved CC-CMW course –*must be passed with a grade of C or higher*
- b. **ARP** (8 hours) –*must be passed with a grade of C or higher*
 - i. MATH 141
 - ii. MATH 142
- c. **SCI** (8 hours) –*must be passed with a grade of C or higher*
 - i. MSCI 101
 - ii. MSCI 102
- d. **GFL** (0-6 hours): Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required for all baccalaureate degrees. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.
It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.
- e. **GHS** (3 hours): any approved CC-GHS course
- f. **GSS** (3 hours): any approved CC-GSS course
- g. **AIU** (3 hours): any approved CC-AIU course

Carolina Core Stand Alone or Overlay Eligible Requirements:

Up to two of these requirements may be met in overlay courses. At least one of these requirements must be satisfied by a course not applied elsewhere in general education. (3-9 Hours)

- h. **CMS** (3 hours): any approved overlay or stand-alone CC-CMS course
- i. **INF** (0-3 hours): any approved overlay or stand-alone CC-INF course
- j. **VSR** (0-3 hours): any approved overlay or stand-alone CC-VSR course

2. College Requirements (15-18 hours)

- a. **Foreign language course** (0-3 hours) –*only if needed to meet 122-level proficiency*
- b. **Analytical Reasoning** (6 hours)
 - i. STAT 515
 - ii. CSCE 102 (or a higher level CSCE course)
- c. **History** (3 hours): The College of Arts and Sciences requires one U.S. History and one non-U.S. History course, both of which must be chosen from the approved Carolina Core GHS courses. Whichever is not fulfilled through the Carolina Core GHS requirement must be fulfilled through this college requirement.
- d. **Social Science** (3 hours)
- e. **Fine Arts or Humanities** (3 hours)

3. **Program Requirements (28-43 hours)**

- a. **Supporting Courses (16 hours)** –*must be passed with a grade of C or higher*
- i. PHYS 201/201L or PHYS 211/211L
 - ii. PHYS 202/202L or PHYS 212/212L
 - iii. CHEM 111
 - iv. CHEM 111L
 - v. CHEM 112
 - vi. CHEM 112L
- b. **Electives (12-27 hours):** No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. **Major Requirements (36 hours)** –*a minimum grade of C is required in all major courses*

- a. **Major Courses (13 hours)**
- i. MSCI 311
 - ii. MSCI 313
 - iii. MSCI 314
 - iv. MSCI 505
 - v. **Required Field Experience:** All MSCI majors are required to undertake a minimum of three weeks of field effort. Possibilities include MSCI 460, semester or summer internship, REU, semester at sea, or faculty-sponsored field research or cruise. Students must submit to their advisor a short (2-3 page minimum) description of the experience; if the advisor approves the experience to be used in lieu of MSCI 460, the advisor must forward the report and approval to the Undergraduate Director. The Undergraduate Director will review and notify the Dean's office of the substitution. Students will not normally receive course credit hours for their field experience but may combine this requirement with independent study credit as appropriate.
- b. **Major Electives (10 hours)**
- i. Select 10 hours of Marine Science electives in consultation with faculty advisor.

Note: A maximum of 10 semester hours of a combination of independent study, seminar, and undergraduate research courses may count in the 36 hours of major credit required for the Marine Science major. Such courses include the following:

- Independent Study
 - MSCI 399
 - SCHC 499
- Seminar
 - MSCI 505
 - ENVR 590
 - SCCC 390-398
 - BIOL 599
 - BIOL 645
- Undergraduate Research
 - MSCI 496
 - MSCI 497
 - MSCI 498
 - MSCI 499

Courses Acceptable for Major Credit

- MSCI courses numbered 300 and above
- BIOL 301/301L
- BIOL 302/302L
- BIOL 303
- BIOL 450

- BIOL 460/460L
- BIOL 505/505L
- BIOL 534/534L
- BIOL 541/541L
- BIOL 543/543L
- BIOL 549
- BIOL 550/550L
- BIOL 570/570L
- BIOL 640
- BIOL 643
- BIOL 652
- BIOL 654
- BIOL 670
- BIOL 690
- CHEM 321/321L
- CHEM 331L
- CHEM 332L
- CHEM 333/333L
- CHEM 334/334L
- CHEM 511
- CHEM 541/541L*
- CHEM 542/542L
- CHEM 621
- CSCE 561
- ECON 548
- GEOG 341
- GEOG 345
- GEOG 363
- GEOG 510
- GEOG 516
- GEOG 541
- GEOG 545
- GEOG 546
- GEOG 551
- GEOG 554
- GEOG 563
- GEOG 564
- GEOL 305
- GEOL 315
- GEOL 325
- GEOL 335
- GEOL 345
- GEOL 371
- GEOL 500
- GEOL 503
- GEOL 508
- GEOL 516
- GEOL 541
- GEOL 545
- GEOL 546
- GEOL 555
- GEOL 570

- MATH 241
- MATH 242
- MATH 521
- MATH 526
- MATH 527
- MATH 544
- NAVY 301/301L
- NAVY 302/302L
- PHYS 212/212L
- POLI 370
- POLI 399A
- POLI 399B
- POLI 420
- POLI 431
- POLI 477
- SOCY 310
- SOCY 315
- STAT 506
- STAT 511
- STAT 512
- STAT 513
- STAT 516
- STAT 516
- JOUR 562

*Note: Credit for a degree will not be given for both CHEM 340 and CHEM 541.

c. **Concentration: Biological Oceanography** (13 hours)

- i. BIOL 301
- ii. BIOL 301L
- iii. Select one:
 1. BIOL 302 (*CHEM 333 is a prerequisite for BIOL 302 and is recommended for those intending to complete postgraduate work in this concentration*)
 2. BIOL 303
- iv. Biological Oceanography Electives: Select two courses from the following list of marine biology, ecology or biology courses, or similar courses as approved by advisor:
 1. MSCI/BIOL 450
 2. MSCI 503/BIOL 502
 3. MSCI/BIOL 510
 4. MSCI/BIOL 525
 5. MSCI/BIOL 535
 6. MSCI/BIOL 536
 7. MSCI/BIOL 537
 8. MSCI/BIOL 538
 9. MSCI/BIOL 552
 10. MSCI/BIOL 574
 11. MSCI/BIOL 575
 12. MSCI/BIOL 576
 13. MSCI/BIOL 577
 14. MSCI/BIOL 627
 15. MSCI 496, 497, 498, 499 (if biology oriented)
 16. MSCI 599 (if biology oriented)
 17. MSCI 566

18. MSCI 578
19. BIOL 302 (302L is optional, but may be taken with BIOL 302) *or* BIOL 303
20. BIOL 460
21. BIOL 505
22. BIOL 534
23. BIOL 541
24. BIOL 543
25. BIOL 550
26. BIOL 570
27. BIOL 640
28. BIOL 643
29. BIOL 652
30. BIOL 670
31. BIOL 690