Program of Study

Degree Requirements (120 hours)

1. Carolina Core (32-44 hours)
   a. CMW (6 hours): any approved CC-CMW course — must be passed with a grade of C or higher
   b. ARP (6-8 hours): any approved CC-ARP course
      i. MATH 122 or MATH 141
      ii. MATH 142, MATH 170 or MATH 172
   
      Note: MATH 141 & MATH 142 are recommended. However, successful completion of MATH 122 and MATH 170, or MATH 172 may be substituted.
   
   c. SCI (8 hours)
      i. BIOL 101
      ii. BIOL 101L
      iii. BIOL 102
      iv. BIOL 102L
   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 205
      ii. CSCE 102
   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): choose any from the list of CC-GSS approved courses
   e. Fine Arts or Humanities (3 hours)
3. **Program Requirements (30-45 hours)**

   a. **Cognate or Minor (12-18 hours):**

      **Cognate**
      
The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs, depending on the interests of the student and the judgment of the advisor.

      Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences.

      For cognate course offerings in other colleges, consult the appropriate sections of this bulletin. Some major programs have specific cognate requirements.

      It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. The cognate must be approved by the major advisor as being related to the major field of study. Students are urged to consult their major advisors for specific requirements in their major.

      Courses applied toward general education requirements cannot be counted toward the cognate.

      For Bachelor of Science degrees, grades of D are acceptable for completion of the cognate requirement, except where restricted by the major program.

   b. **Supporting Courses (16 hours)**

      i. CHEM 111
      ii. CHEM 111L
      iii. CHEM 112
      iv. CHEM 112L
      v. CHEM 333
      vi. CHEM 331L
      vii. CHEM 334
      viii. CHEM 332L

      **Note:** PHYS 201 and PHYS 202 are recommended.

   c. **Electives (0-17 hours) (to reach required hours to graduate):** 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 (28 hours) —a minimum grade of C is required in all major courses**

   a. **Major Courses (9 hours)**

      i. BIOL 301
      ii. BIOL 302
      iii. BIOL 303

   b. **Major Electives (19 hours)**

      i. One Physiology course
ii. One Plant Biology course
iii. 13 hours of biological sciences majors courses 300 or higher

**Note:** At least three courses applied toward the major must have an associated laboratory. No more than three credits of 398/399 may be applied toward the major. Two of 301, 301, or 303 must be completed to advance to 400-600 level courses. **At least two courses must be at the 500-level or above.**