Program of Study: Middle Level Education - Bachelor of Science (B.S.)



Mathematics & Science Concentration
College of Education
Department of Instruction and Teacher Education
Catalog Year: 2017-2018

Program of Study

Degree Requirements (123 hours)

- 1. Carolina Core (31-43 hours)
 - a. **CMW** (6 hours): any two approved CC-CMW course –must be passed with a grade of C or higher
 - b. **ARP** (6-7 hours):
 - i. MATH 122 or MATH 141
 - ii. STAT 201
 - c. SCI (7 hours): any two approved CC-SCI courses (one course must include a lab)
 - d. **GFL** (0-6 hours): The Carolina Core requires either two approved courses in one foreign language or a score of two or higher on the foreign language placement test.
 - 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. For up to two instances, a Carolina Core course meeting another core requirement may also meet one of these requirements, provided the course is approved to meet both. (3-9 Hours)

- h. CMS (0-3 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: None required by the College of Education
- 3. Program Requirements (3-6 hours)
 - a. **Minor** (0-18 hours) -optional

A student may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better.

- b. **Supporting Courses** (3 hours)
 - i. Select an additional Carolina Core-approved SCI course (3 hours)
- c. **Electives** (0-3 hours): If the number of hours used to meet the Carolina Core section exceeds 31, no electives are needed. If only 31 hours are used to meet the Carolina Core section, then three hours of electives are required.
- 4. Major Requirements (86-91 hours) —a minimum grade of C is required in all other major courses
 - a. **Major Courses** (50 hours)
 - i. Education Core (10 hours):
 - 1. EDTE 201
 - 2. EDFI 300
 - 3. EDTE 400
 - 4. EDPY 401
 - ii. Middle Level Core (22 hours)
 - 1. EDML 321
 - 2. EDTE 522
 - 3. EDML 470
 - 4. EDML 471
 - 5. EDEX 491

- 6. EDRM 423
- 7. EDML 553
- 8. EDML 583
- iii. Clinical Experience (18 hours)
 - 1. EDML 598
 - 2. EDML 599
 - 3. EDML 584

Notes:

For admission into EDML 598 Internship A in the Middle School, a candidate must: 1) be admitted to the professional program; 2) complete with a grade of C or better EDEX 491, EDML 321, EDML 470, and EDML 471; 3) achieve a GPA of 3.00 or higher in all education course work; & 4) comply with criminal background check and health screening requirements.

For admission to EDML 599 Internship B in the Middle School, a candidate must: 1) complete EDML 598 with a grade of B or better; 2) complete with a grade of C or better EDTE 522, the two EDML Methods courses, and EDRM 423; & 3) complete four of the six courses in each of the two content areas.

- b. Mathematics and Science Concentration (36-41 hours)
 - i. Mathematics Specialization (18-20 hours)
 - 1. MATH 603 or MATH 142
 - 2. MATH 602 or MATH 531
 - 3. MATH 401 or MATH 241
 - 4. Select three courses from the following:
 - MATH 141 (if not used to fulfill the CC-ARP requirement)
 - MATH 142 (if not used above)
 - MATH 241 (if not used above)
 - MATH 170 or MATH 174
 - MATH 511
 - MATH 544
 - MATH 546
 - MATH 574
 - MATH 580
 - STAT 506
 - STAT 515
 - STAT 516 (if STAT 506 was not taken)
 - ii. Science Specialization (18-23 hours)
 - 2. **Life Science** (6-8 hours) two courses from the following:
 - BIOL 200 and BIOL 200L
 - BIOL 206
 - BIOL 232
 - BIOL 270 and BIOL 270L
 - SMED 587
 - 3. **Physical Science** (6-8 hours) two courses from the following:
 - PHYS 201 and PHYS 201L
 - PHYS 202 and PHYS 202L
 - PHYS 153 and PHYS 153L
 - PHYS 155
 - CHEM 102
 - CHEM 105
 - CHEM 111
 - SMED 586
 - 4. **Earth Science** (6-7 hours) two courses from the following:
 - GEOL 302

- GEOL 205
- MSCI 210
- GEOL 215
- GEOL 230
- GEOL 250
- SMED 588

Notes:

If GEOL 103 was used to meet the Carolina Core SCI requirement, BIOL 270 or GEOL 205 cannot be used.

Only CHEM courses not used to meet the Carolina Core SCI requirement can be used for the science specialization.