**REPORT: COMMITTEE ON CURRICULA & COURSES**

**For consideration by the Faculty Senate at its December 4,** **2024 meeting**

Proposal summaries are provided below. Full proposals can be viewed by logging in to the approval site (<https://uscbulletins-next.sc.edu/courseleaf/approve/>) and selecting “Faculty Senate Officer” in the drop-down menu under Your Role. Note that you may view the proposals and add comments, but you may not edit or approve proposals. Also note that you need to use your USC network username in all lowercase to access the site. If you have trouble logging in, please contact the Office of Academic Programs at [acadprog@mailbox.sc.edu](mailto:acadprog@mailbox.sc.edu).

The Curricula and Courses committee chairs welcomes questions and concerns in advance of the Faculty Senate meeting.  If possible, please contact chairs Michael Dickson ([dickson@sc.edu](mailto:dickson@sc.edu)) by noon December 4thor earlier.

Courses requesting approval to be offered via Distributed Learning/online are denoted with (DL).

New courses and changes to course modality are effective Spring 2025. Course changes and inactivation are effective Fall 2025.

New programs are effective upon receiving all approvals. Program changes are effective Fall 2025.

**Total Proposals:**

119 – College of Arts and Sciences

22 – College of Hospitality, Retail, and Sport Management

10 – School of Music

14 – Darla Moore School of Business

4 – Interdisciplinary Programs

6 – College of Education

32 – Molinaroli College of Engineering and Computing

29 – College of Information and Communications

1 – College of Social Work

2 – NJ Arnold School of Public Health

1. **College of Arts and Sciences**

**Program Changes:**

1. **African American Studies, B.A.**

Updating Program Requirements

**3. Program Requirements (34-46 ~~(28-43~~ hours)**

**Electives (16-37 ~~(10-31~~ hours)**

120 (or 128) degree applicable credits are required to complete any degree at USC. ~~UofSC.~~ After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. 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.

Updating Major Requirements

**4. Major Requirements (24 ~~(30~~ hours)**

*A minimum grade of C is required in all major courses*

**Major Courses (9 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**AFAM 201**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20201) | Introduction to African American Studies: Social and Historical Foundations | 3 |
| [**AFAM 202**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20202) | Introduction to African-American Studies | 3 |
| [**AFAM 498**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20498) | Seminar in African-American Studies | 3 |
| or [**AFAM 499**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20499) | Seminar in African-American Studies | |
| **Total Credit Hours** | | **9** |
| Course List | | |

**Major Electives (15 ~~(21~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Arts and Culture** | | **6** |
| Select two courses from the following list: | |  |
| [**AFAM 207**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20207) | Introduction to African American Religions |  |
| [**AFAM 303**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20303) | African-American Cultures |  |
| [**AFAM 308**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20308) | African-American Feminist Theory |  |
| [**AFAM 343**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20343) | Religions of the African Diaspora |  |
| [**AFAM 380**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20380) | Cultural History of Hip Hop Music |  |
| [**AFAM 393**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20393) | Race and Science Fiction |  |
| [**AFAM 398**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20398) | Special Topics in African-American Arts and Cultures |  |
| [**AFAM 399**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20399) | Independent Study |  |
| [**AFAM 420**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20420) | Slavery, Literature & Culture |  |
| [**AFAM 428A**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20428A) | African-American Literature I: to 1903 |  |
| [**AFAM 428B**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20428B) | African-American Literature II: 1903 – Present |  |
| [**AFAM 438D**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20438D) | African Literature |  |
| [**AFAM 438E**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20438E) | Caribbean Literature |  |
| [**AFAM 442**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20442) | African-American English |  |
| [**AFAM 486**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20486) | African-American Rhetoric |  |
| [**AFAM 487**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20487) | Black Women Writers |  |
| [**AFAM 515**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20515) | Race, Gender, and Graphic Novels |  |
| [**AFAM 517**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20517) | An Anthropological View of Blacks in Film |  |
| [**AFAM 565**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20565) | African American Theatre |  |
| [**AFAM 580**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20580) | Culture and Identity in the African Diaspora |  |
| **Society and History** | | **6** |
| Select two courses from the following list: | |  |
| [**AFAM 218**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20218) | Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary |  |
| [**AFAM 330**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20330) | Psychology and the African-American Experience |  |
| [**AFAM 331**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20331) | Black Experience in the United States to 1865 |  |
| [**AFAM 332**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20332) | Black Experience in the United States since 1865 |  |
| [**AFAM 335**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20335) | The American Civil Rights Movement |  |
| [**AFAM 348**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20348) | Environmental Racism and Justice |  |
| [**AFAM 350**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20350) | Antiracist Education |  |
| [**AFAM 353**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20353) | Introduction to U.S. Racial and Ethnic Politics |  |
| [**AFAM 355**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20355) | Race and Ethnic Relations |  |
| [**AFAM 364**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20364) | African-American Politics |  |
| [**AFAM 365**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20365) | Medical Experimentation and the Black Body |  |
| [**AFAM 366**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20366) | Medicine, Disease, and Slavery |  |
| [**AFAM 397**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20397) | Special Topics in African American Society and History |  |
| [**AFAM 402**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20402) | African American Political Thought |  |
| [**AFAM 463**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20463) | Jim Crow: Histories & Revivals |  |
| [**AFAM 476**](https://uscbulletins-next.sc.edu/search/?P=AFAM%20476) | Black Activism |  |
| **Additional Electives** | | **3** |
| Students choose one additional course from AFAM 300 or higher. | |  |
| **Total Credit Hours** | | **15** |
| Course List | | |

Note: Selected courses may apply only once in one category.

1. **Art Education, B.F.A.**

Updating Degree Requirements

**Degree Requirements (126-143 ~~(123-140~~ hours)**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 32-46 |
| 2. College Requirements | 0-3 |
| 3. Program Requirements | 42 |
| 4. Major Requirements | 51 |
| Program Summary | |

Updating Major Requirements

**4. Major Requirements (51 ~~(49~~ hours)**

*A minimum grade of C is required in all major courses.*

1. **Arts Studio, B.A.**

Updating Core Requirements

**1. Carolina Core Requirements (32-46 ~~(32-44~~ hours)**

Updating Program Requirements

**3. Program Requirements (17-34 ~~(19-34~~ hours)**

**Electives (0-22 ~~(1-22~~ hours)**

Updating Major Requirements

**4. Major Requirements (39 hours)**

*Must be passed with a grade of C or higher.*

**Foundations Requirements (12 ~~(15~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ARTS 102**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20102) | Design Technology and Concepts | 4 |
| [**ARTS 103**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20103) | Fundamentals of Art | 4 |
| [**ARTS 104**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20104) | 3-Dimensional Design I | 4 |
| ~~ARTS 107~~ | ~~Color and Composition~~ | ~~3~~ |
| ~~ARTS 111~~ | ~~Basic Drawing I~~ | ~~3~~ |
| **Total Credit Hours** | |  |
| Course List | | |

Updating Carolina Core Integrative Course(s) for the Program

**ARTS 310, ARTS 311, ARTS 315, ARTS 316, ARTS 320, ARTS 321, ARTS 325, ARTS 326, ARTS 330, ARTS 331, ARTS 360, ARTS 361**

1. **Arts Studio, B.F.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (32-46 ~~(32-44~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* any [**CC-CMW courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**ARP – Analytical Reasoning and Problem Solving (6-8 ~~(8~~ hours)**

* any [**CC-ARP courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

Updating Major Requirements

**4. Major Requirements (63 hours)**

*A minimum grade of C is required in all major courses.*

**Studio Foundations (12 ~~Requirements (15~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ARTS 102**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20102) | Design Technology and Concepts | 4 |
| [**ARTS 103**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20103) | Fundamentals of Art | 4 |
| [**ARTS 104**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20104) | 3-Dimensional Design I | 4 |
| **~~ARTS 107~~** | ~~Color and Composition~~ | ~~3~~ |
| **~~ARTS 111~~** | ~~Basic Drawing I~~ | ~~3~~ |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Concentrations (51 ~~(48~~ hours)**

Select one concentration from the following:

**Ceramics Concentration (51 ~~(48~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Studio Introduction** | |  |
| Choose 3 from the following: | | 12 |
|  | |  |
|  | |  |
| **ARTS 210** | Introduction to Painting |  |
| **ARTS 215** | Introduction to Printmaking |  |
| [**ARTS 220**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20220) | Beginning Ceramics |  |
| [**ARTS 225**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20225) | Introduction to Three-Dimensional Studies |  |
| **ARTS 230** | Introduction to Drawing |  |
| **ARTS 261** | Introduction to Photography |  |
| **Concentration Requirements** | |  |
| [**ARTS 320**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20320) | Intermediate Ceramics I | 4 |
| [**ARTS 321**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20321) | Intermediate Ceramics II | 4 |
| [**ARTS 420**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20420) | Advanced Ceramics I | 6 |
| **~~ARTS 421~~** | ~~Advanced Ceramics II (6 hours required)~~ | ~~6~~ |
| **~~ARTS 520~~** | ~~Ceramics I~~ | ~~6~~ |
| **ARTS 516** | Capstone Printmaking I: Professional Practices | 5 |
| **Concentration Electives** | |  |
| Select 5 ARTS or SVAD classes at the 200-level or above. 2 of the 5 classes should be from the following: | | 20 |
| [**ARTS 325**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20325) | Intermediate Three-Dimensional Studies I |  |
| **ARTS 326** | Intermediate Three-Dimensional Studies II |  |
| **ARTS 524** | Workshop: Ceramics |  |
| **ARTS 420** | Advanced Ceramics I |  |
| **SVAD 499** | School of Visual Art and Design Internship |  |
| **Total Credit Hours** | | **51** |
| Course List | | |

**Graphic Design and Illustration Concentration (51 ~~(48~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **~~ARTS 145~~** | ~~Design Technology & Concepts / Portfolio Review~~ | ~~1~~ |
| [**ARTS 245**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20245) | Typographic Design I | 4 |
| [**ARTS 246**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20246) | Typographic Design II | 4 |
| [**ARTS 265**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20265) | Illustration I | 4 |
| [**ARTS 266**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20266) | Illustration II | 4 |
| [**ARTS 345**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20345) | Visual and Verbal Interaction | 4 |
| [**ARTS 346**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20346) | Process and Systems | 4 |
| [**ARTS 347**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20347) | Interaction Design | 4 |
| [**ARTS 465**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20465) | Advanced Illustration I | 4 |
| [**ARTS 448**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20448) | Portfolio Studio | 4 |
| [**SVAD 499**](https://uscbulletins-next.sc.edu/search/?P=SVAD%20499) | School of Visual Art and Design Internship | 3 |
| ~~Select one of the following:~~ | | ~~4~~ |
| Concentration Electives | |  |
| Choose 3 ARTS, MART or SVAD courses at the 200 level or above. At least one must be from the following list: | | 12 |
| **ARTS 241** | Color for Design |  |
| **ARTS 316** | Intermediate Printmaking II: Screen |  |
| [**ARTS 445**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20445) | Time and Sequence |  |
| ~~ARTS-200- level or above~~ | |  |
| ~~Select one of the following:~~ | | ~~4~~ |
| [**ARTS 446**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20446) | Structures |  |
| ~~ARTS 200-level or above~~ | |  |
| **ARTS 466** | Advanced Illustration II |  |
| **SVAD 499** | School of Visual Art and Design Internship |  |
| **SVAD 500** | Design Studio |  |
| **Total Credit Hours** | | **51** |
| Course List | | |

Note: While students may take [**SVAD 499**](https://uscbulletins-next.sc.edu/search/?P=SVAD%20499) for up to 9 credit hours, only 3 hours are required for the concentration.

**Drawing Concentration (51 ~~(48~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Studio Introduction** | |  |
| Choose 3 classes from the following: | | 12 |
| **ARTS 210** | Introduction to Painting |  |
| **ARTS 215** | Introduction to Printmaking |  |
| **ARTS 220** | Beginning Ceramics |  |
| **ARTS 225** | Introduction to Three-Dimensional Studies |  |
| [**ARTS 230**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20230) | Introduction to Drawing |  |
| **ARTS 261** | Introduction to Photography |  |
| **Concentration Requirements** | |  |
| [**ARTS 330**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20330) | Intermediate Drawing I | 4 |
| [**ARTS 331**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20331) | Intermediate Drawing II | 4 |
| [**ARTS 430**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20430) | Advanced Drawing I | 6 |
| **~~ARTS 431~~** | ~~Advanced Drawing II (6 hours required)~~ | ~~6~~ |
| **~~ARTS 530~~** | ~~Drawing Capstone I (6 hours required)~~ | ~~6~~ |
| **ARTS 516** | Capstone Printmaking I: Professional Practices | 5 |
| **Concentration Electives** | |  |
| Choose 5 ARTS or SVAD classes at 200 level and above. 2 of the 5 should be from the following list: | | 20 |
| **ARTS 241** | Color for Design |  |
| [**ARTS 232**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20232) | Figure Structure I |  |
| **~~ARTS 233~~** | ~~Figure Structure II~~ | ~~4~~ |
| ~~or~~**~~ARTS 265~~** | ~~Illustration I~~ | |
| **ARTS 265** | Illustration I |  |
| **ARTS 466** | Advanced Illustration II |  |
| **ARTS 430** | Advanced Drawing I |  |
| **ARTS 500** | Visual Meaning |  |
| **ARTS 512** | Introduction to Watercolor |  |
| **ARTS 532** | Advanced Life Drawing |  |
| **SVAD 499** | School of Visual Art and Design Internship |  |
| **Total Credit Hours** | | **51** |
| Course List | | |

**Painting Concentration (51 ~~(48~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Studio Introduction** | |  |
| Choose 3 from the following: | | 12 |
| [**ARTS 210**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20210) | Introduction to Painting |  |
| [**~~ARTS 211~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20211) | ~~Beginning Painting II~~ | ~~4~~ |
| **ARTS 215** | Introduction to Printmaking |  |
| **ARTS 220** | Beginning Ceramics |  |
| **ARTS 225** | Introduction to Three-Dimensional Studies |  |
| **ARTS 230** | Introduction to Drawing |  |
| **ARTS 261** | Introduction to Photography |  |
| **Concentration Requirements** | |  |
| [**ARTS 310**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20310) | Intermediate Painting I | 4 |
| [**ARTS 311**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20311) | Intermediate Painting II | 4 |
| ~~Select one of the following:~~ | | ~~4~~ |
| **ARTS 410** | Advanced Painting I | 6 |
| **ARTS 516** | Capstone Printmaking I: Professional Practices | 5 |
| **Concentration Electives** | | **20** |
| Choose 5 ARTS or SVAD classes at the 200 level and above. 2 of the 5 classes should be from the following: | |  |
| **ARTS 241** | Color for Design |  |
| [**ARTS 232**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20232) | Figure Structure I |  |
| [**ARTS 410**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20410) | Advanced Painting I |  |
| [**ARTS 500**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20500) | Visual Meaning |  |
| **ARTS 512** | Introduction to Watercolor |  |
| [**ARTS 514**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20514) | Workshop: Painting |  |
| [**~~ARTS 411~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20411) | ~~Advanced Painting II (6 hours required)~~ | ~~6~~ |
| [**~~ARTS 510~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20510) | ~~Painting I~~ | ~~6~~ |
| **ARTS 532** | Advanced Life Drawing |  |
| **SVAD 499** | School of Visual Art and Design Internship |  |
| **Total Credit Hours** | | **51** |
| Course List | | |

**Photography Concentration (51 ~~(48~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Studio Introduction** | |  |
| Choose 3 of the following: | | 12 |
| **ARTS 210** | Introduction to Painting |  |
| [**ARTS 215**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20215) | Introduction to Printmaking |  |
| **ARTS 220** | Beginning Ceramics |  |
| **ARTS 225** | Introduction to Three-Dimensional Studies |  |
| **ARTS 230** | Introduction to Drawing |  |
| [**ARTS 261**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20261) | Introduction to Photography |  |
| **Concentration Requirements** | |  |
| [**ARTS 360**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20360) | Advanced Black & White Photography | 4 |
| [**ARTS 361**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20361) | Digital Photography | 4 |
| [**~~ARTS 560~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20560) | ~~Photography Thesis: Portfolio~~ | ~~6~~ |
| [**~~ARTS 561~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20561) | ~~Photography Thesis: Exhibition~~ | ~~6~~ |
| **ARTS 460** | Photography Portfolio | 6 |
| **ARTS 516** | Capstone Printmaking I: Professional Practices | 5 |
| **Concentration Electives** | | **20** |
| Choose 5 ARTS or SVAD classes at the 200 level and above. 2 of the 5 must be from the following list: | |  |
| **ARTS 460** | Photography Portfolio |  |
| [**ARTS 564**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20564) | Workshop: Photography |  |
| ~~Select ARTS or MART electives- 200-level or above~~ | | ~~16~~ |
| **ARTS 461** | Photography Exhibition |  |
| **ARTS 316** | Intermediate Printmaking II: Screen |  |
| **ARTS 415** | Advanced Printmaking I: Intaglio |  |
| **ARTS 416** | Advanced Printmaking II: Lithography |  |
| **SVAD 499** | School of Visual Art and Design Internship |  |
| **Total Credit Hours** | | **51** |
| Course List | | |

~~Note: ARTS (4 credit)/ MART (3 credit) electives for Photography Concentration must total at least 16 hours.~~

**Printmaking Concentration (51 ~~(48~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Studio Introduction** | |  |
| Choose 3 from the following: | | 12 |
| **ARTS 210** | Introduction to Painting |  |
| [**ARTS 215**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20215) | Introduction to Printmaking |  |
| **ARTS 220** | Beginning Ceramics |  |
| **ARTS 225** | Introduction to Three-Dimensional Studies |  |
| [**ARTS 230**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20230) | Introduction to Drawing |  |
| [**ARTS 261**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20261) | Introduction to Photography |  |
| **Concentration Requirements** | |  |
| [**ARTS 315**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20315) | Intermediate Printmaking I: Relief | 4 |
| [**ARTS 316**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20316) | Intermediate Printmaking II: Screen | 4 |
| [**ARTS 415**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20415) | Advanced Printmaking I: Intaglio | 6 |
| [**ARTS 516**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20516) | Capstone Printmaking I: Professional Practices | 5 |
| **Concentration Electives** | |  |
| Choose 5 ARTS or SVAD classes at the 200 level and above. 2 of the 5 should be from the following list: | | 20 |
| **ARTS 241** | Color for Design |  |
| **ARTS 415** | Advanced Printmaking I: Intaglio |  |
| [**ARTS 416**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20416) | Advanced Printmaking II: Lithography |  |
| **ARTS 519** | Workshop: Printmaking |  |
| **SVAD 499** | School of Visual Art and Design Internship |  |
| **Total Credit Hours** | | **51** |
| Course List | | |

**3D/Sculpture ~~Sculpture~~ Concentration (51 ~~(48~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Studio Introduction** | |  |
| Choose 3 from the following: | | 12 |
| **ARTS 210** | Introduction to Painting |  |
| **ARTS 215** | Introduction to Printmaking |  |
| [**ARTS 220**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20220) | Beginning Ceramics |  |
| [**ARTS 225**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20225) | Introduction to Three-Dimensional Studies |  |
| [**~~ARTS 320~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20320) | ~~Intermediate Ceramics I~~ | ~~4~~ |
| **ARTS 230** | Introduction to Drawing |  |
| **ARTS 261** | Introduction to Photography |  |
| **Concentration Requirements** | |  |
| [**ARTS 325**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20325) | Intermediate Three-Dimensional Studies I | 4 |
| [**ARTS 326**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20326) | Intermediate Three-Dimensional Studies II | 4 |
| [**ARTS 425**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20425) | Advanced Three-Dimensional Studies I | 6 |
| [**~~ARTS 426~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20426) | ~~Advanced Three-Dimensional Studies II (6 hours required)~~ | ~~6~~ |
| [**~~ARTS 525~~**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20525) | ~~Three-Dimensional Studies I (6 hours required)~~ | ~~6~~ |
| **ARTS 516** | Capstone Printmaking I: Professional Practices | 5 |
| **Concentration Electives** | |  |
| Choose 5 ARTS or SVAD classes at the 200 level and above. 2 of the 5 must come from the following list: | | 20 |
| **ARTS 255** | Introduction to Jewelry Making |  |
| **ARTS 355** | Intermediate Jewelrymaking I |  |
| **ARTS 356** | Intermediate Jewelrymaking II |  |
| **ARTS 235** | Introduction to Fiber Arts |  |
| **ARTS 425** | Advanced Three-Dimensional Studies I |  |
| **SVAD 499** | School of Visual Art and Design Internship |  |
| **Total Credit Hours** | |  |
| Course List | | |

1. **Cyber Policy and Ethics, B.S.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (32-46 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*Must be passed with a grade of C or higher.*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)\*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)\*

**ARP – Analytical Reasoning and Problem Solving (6-8 hours)**

*Must be passed with a grade of C or higher.*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)\* or [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)\*
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)\*, [**MATH 170**](https://uscbulletins-next.sc.edu/search/?P=MATH%20170)\*, ~~\* or~~  [**MATH 172**](https://uscbulletins-next.sc.edu/search/?P=MATH%20172)\* or MATH 174\*

1. **Dance, B.A.**

Updating Major Requirements

**4. Major Requirements (32-70 hours)**

*A minimum grade of C is required in all major courses. (C+ or higher for Dance Education K-12 Certification)*

Choose one of the following concentrations:

**Performance and Choreography Concentration (32 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**DANC 103**](https://uscbulletins-next.sc.edu/search/?P=DANC%20103) | The Dancer's Body | 3 |
| [**DANC 160A**](https://uscbulletins-next.sc.edu/search/?P=DANC%20160A) | Dance Improvisation and Composition | 3 |
| [**DANC 360**](https://uscbulletins-next.sc.edu/search/?P=DANC%20360) | Choreography I | 3 |
| DANC 480 | Course DANC 480 Not Found | 1 |
| [**DANC 490**](https://uscbulletins-next.sc.edu/search/?P=DANC%20490) | Senior Capstone Dance Project | 2 |
| **DANC 500** | Selected Topics in Dance | 2 |
| **Techniques** | |  |
| ~~Select either Ballet or Contemporary Dance:~~ | | ~~15-24~~ |
| ~~Ballet:~~ | |  |
| ~~Eight ballet techniques~~ | |  |
| ~~Four contemporary techniques~~ | |  |
| ~~Contemporary:~~ | |  |
| ~~Six contemporary techniques~~ | |  |
| ~~Four ballet techniques~~ | |  |
| ~~Two techniques of other forms of dance~~ | |  |
| Ballet: 6 semesters (6-12 credits) | | 6-12 |
| **DANC 202A** | Ballet Technique II |  |
| DANC 302 | Course DANC 302 Not Found |  |
| DANC 402 | Course DANC 402 Not Found |  |
| Modern: 2 semesters | | 2 |
| **DANC 212A** | Contemporary Dance Technique II |  |
| Contemporary: 4 semesters | | 4 |
| DANC 312 | Course DANC 312 Not Found |  |
| DANC 412 | Course DANC 412 Not Found |  |
| Two additional Dance Technique classes from the following options (must be two different classes): Jazz, Pointe, Hip Hop, West African, Musical Theatre, or Tap | | 2 |
| **DANC 278** | Jazz Dance Technique II |  |
| **DANC 204** | Pointe II |  |
| **DANC 304** | Intermediate Tap Dance |  |
| **DANC 307** | West African Dance I |  |
| **DANC 378** | Jazz Dance Technique III |  |
| **DANC 380** | Movement and Dance for Musical Theatre |  |
| **Dance Company** | |  |
| [**DANC 177**](https://uscbulletins-next.sc.edu/search/?P=DANC%20177) | Dance Company I | 4 |
| or DANC 277 | Course DANC 277 Not Found | |
| or DANC 376 | Course DANC 376 Not Found | |
| **Total Credit Hours** | | **32-38** |
| Course List | | |

Note:  Students must meet both the number of credits and distribution of technique requirements listed. Some techniques courses are variable credit. To graduate with a major in dance, students must successfully complete DANC 302 and DANC 312. Students may take up to 24 hours of techniques courses toward the major.

**Dance Education K-12 Certification Concentration (70 hours)**

Dance majors with an emphasis in Dance Education K-12 teacher certification must meet USC and South Carolina Department of Education requirements in order to be recommended for certification (includes passing state-required examinations). An application for certification is required. Contact the College of Education, Office of Student Affairs, 803-777-6732.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**DANC 103**](https://uscbulletins-next.sc.edu/search/?P=DANC%20103) | The Dancer's Body | 3 |
| [**DANC 160A**](https://uscbulletins-next.sc.edu/search/?P=DANC%20160A) | Dance Improvisation and Composition | 3 |
| [**DANC 360**](https://uscbulletins-next.sc.edu/search/?P=DANC%20360) | Choreography I | 3 |
| [**DANC 476**](https://uscbulletins-next.sc.edu/search/?P=DANC%20476) | Production Design for Dance | 3 |
| **Techniques** | |  |
| ~~The following courses must be taken 4 times each:~~ | |  |
| Four Ballet Techniques: | | 4-8 |
| [**DANC 202A**](https://uscbulletins-next.sc.edu/search/?P=DANC%20202A) | Ballet Technique II |  |
| [**~~DANC 302A~~**](https://uscbulletins-next.sc.edu/search/?P=DANC%20302A) | ~~Ballet Technique III~~ | ~~4~~ |
| [**~~DANC 402A~~**](https://uscbulletins-next.sc.edu/search/?P=DANC%20402A) | ~~Ballet Technique IV~~ | ~~4~~ |
| ~~The following courses must be taken 4 times each:~~ | |  |
| DANC 302 | Course DANC 302 Not Found |  |
| DANC 402 | Course DANC 402 Not Found |  |
| Four Contemporary Techniques | | 4-8 |
| [**DANC 212A**](https://uscbulletins-next.sc.edu/search/?P=DANC%20212A) | Contemporary Dance Technique II |  |
| [**~~DANC 312A~~**](https://uscbulletins-next.sc.edu/search/?P=DANC%20312A) | ~~Contemporary Dance Technique III~~ | ~~4~~ |
| [**~~DANC 412A~~**](https://uscbulletins-next.sc.edu/search/?P=DANC%20412A) | ~~Contemporary Dance Technique IV~~ | ~~4~~ |
| ~~Select two hours of the following world dance forms courses:~~ | | ~~2~~ |
| DANC 312 | Course DANC 312 Not Found |  |
| DANC 412 | Course DANC 412 Not Found |  |
| One semester of each technique below: | | 8 |
| [**DANC 111A**](https://uscbulletins-next.sc.edu/search/?P=DANC%20111A) | World Dance I |  |
| [**DANC 307**](https://uscbulletins-next.sc.edu/search/?P=DANC%20307) | West African Dance I |  |
| [**DANC 380**](https://uscbulletins-next.sc.edu/search/?P=DANC%20380) | Movement and Dance for Musical Theatre |  |
| **Dance Company** | |  |
| [**DANC 177**](https://uscbulletins-next.sc.edu/search/?P=DANC%20177) | Dance Company I | 3 |
| **Professional Education** | |  |
| [**DANC 270**](https://uscbulletins-next.sc.edu/search/?P=DANC%20270) | Introduction to Dance Education | 2 |
| [**DANC 370**](https://uscbulletins-next.sc.edu/search/?P=DANC%20370) | Creative Dance | 3 |
| [**DANC 470**](https://uscbulletins-next.sc.edu/search/?P=DANC%20470) | Dance Pedagogy for Middle and High School | 4 |
| [**DANC 471**](https://uscbulletins-next.sc.edu/search/?P=DANC%20471) | Internship Seminar in Dance Education | 1 |
| [**DANC 478**](https://uscbulletins-next.sc.edu/search/?P=DANC%20478) | Integrated Approaches in Dance Education | 5 |
| [**DANC 479**](https://uscbulletins-next.sc.edu/search/?P=DANC%20479) | Teaching Internship in Dance Education | 12 |
| **Education Courses** | |  |
| [**EDFI 300**](https://uscbulletins-next.sc.edu/search/?P=EDFI%20300) | Schools in Communities | 3 |
| [**EDPY 401**](https://uscbulletins-next.sc.edu/search/?P=EDPY%20401) | Learners and the Diversity of Learning | 3 |
| [**PEDU 515**](https://uscbulletins-next.sc.edu/search/?P=PEDU%20515) | Physical Education for Inclusion | 3 |
| or [**EDEX 523**](https://uscbulletins-next.sc.edu/search/?P=EDEX%20523) | Introduction to Exceptional Children | |
| [**EDRD 500**](https://uscbulletins-next.sc.edu/search/?P=EDRD%20500) | Content Area Literacy PK-12 | 3 |
| **Total Credit Hours** | | **70-78** |
| Course List | | |

Notes:

* Students must successfully complete DANC 302 and DANC 312 with a C+ or better.
* Ballet and contemporary technique courses are variable credit.
* Students must meet both the number of credits and distribution of technique requirements listed above.

**Professional Education Program Requirements**

The dance major with an emphasis in dance education supports prospective teachers in developing both in-depth content knowledge and appropriate knowledge, skills, and dispositions of teaching required in today’s classrooms.

Extensive clinical experiences in a variety of appropriate K-12 classrooms and schools are a central component of the program.

Application and admission to the Professional Program in Education (typically at 60 credit hours) and admission to Internship are required for all majors seeking teacher certification. All teacher education candidates must adhere to all education policies and procedures related to clinical experiences. Information on education applications, policies, and procedures is available from the College of Education, Advising and Student Services office at 803-777-6732.

Specific requirements in dance education for Admission to Internship II/Student Teaching include the following:

1. Admission to the Professional Program.
2. Maintenance of minimum collegiate summary grade point average as required for admission to the Professional Program.
3. Successful Completion of [**DANC 270**](https://uscbulletins-next.sc.edu/search/?P=DANC%20270), [**DANC 370**](https://uscbulletins-next.sc.edu/search/?P=DANC%20370), [**DANC 470**](https://uscbulletins-next.sc.edu/search/?P=DANC%20470), and [**DANC 478**](https://uscbulletins-next.sc.edu/search/?P=DANC%20478); all courses within the dance major and all performance practicum requirements.
4. A grade of C+ or better in all dance, dance education and education courses.
5. Successful completion of 100 practicum hours completed during the dance education coursework.
6. Satisfactory performance in the area of teacher education dispositions.
7. SLED clearance through fingerprinting and background check requirements.
8. Successful completion of the application for student teaching.
9. **Data Analytics, B.S.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (32-45 hours)**

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* **ISCI 215** or
* [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101) or
* [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) or
* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

Updating Program Requirements

**3. Program Requirements (33-49 hours)**

**Supporting Courses (3-6 hours)**

*must be passed with a grade of C or higher*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Select one of the following: \*** | | **3** |
| [**STAT 201**](https://uscbulletins-next.sc.edu/search/?P=STAT%20201) | Elementary Statistics |  |
| [**STAT 205**](https://uscbulletins-next.sc.edu/search/?P=STAT%20205) | Elementary Statistics for the Biological and Life Sciences |  |
| [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) | Elementary Statistics for Business |  |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers |  |
| [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) | Statistical Methods I |  |
| [**PSYC 220**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20220) | Psychological Statistics |  |
| [**SOCY 392**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20392) | Elementary Statistics for Sociologists |  |
| **Ethics in Data Analysis \*** | | **0-3** |
| If [**ISCI 215**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20215) or [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101) or [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) were not taken to fulfill the Carolina Core VSR requirement with a grade of C or better, then one of the following must be taken: | |  |
| [**~~CYBR 390~~**](https://uscbulletins-next.sc.edu/search/?P=CYBR%20390) | ~~Special Topics in Cyber Intelligence~~ |  |
| **CSCE 390** | Professional Issues in Computer Science and Engineering |  |
| **CSCE 581** | Trusted Artificial Intelligence |  |
| [**CYBR 392**](https://uscbulletins-next.sc.edu/search/?P=CYBR%20392) | Special Topics in Cyber Society and Ethics |  |
| **ISCI 215** | Ethics in the Era of Big Data |  |
| [**ISCI 315**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20315) | Cyberethics and Information Policy |  |
| [**ISCI 415**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20415) | Social Issues in Information and Communications Technologies |  |
| [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101) | Thriving in the Tech Age |  |
| [**PHIL 323**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20323) | Ethics of Science and Technology |  |
| [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) | Engineering Ethics |  |
| **PHIL 326** | AI Ethics |  |
| **Total Credit Hours** | | **3-6** |
| Course List | | |

Updating Major Requirements

**4. Major Requirements (24 hours)**

*a minimum grade of C is required in all major courses*

**Major Courses (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**STAT 301**](https://uscbulletins-next.sc.edu/search/?P=STAT%20301) | Statistical Methods for Data Analytics | 3 |
| or [**STAT 516**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | Statistical Methods II | |
| [**~~STAT 530~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530) | ~~Applied Multivariate Statistics and Data Mining~~ | ~~3~~ |
| ~~or~~[**~~STAT 587~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20587) | ~~Big Data Analytics~~ | |
| ~~or~~[**~~CSCE 587~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20587) | ~~Big Data Analytics~~ | |
| **CSCE/STAT 587** | Big Data Analytics | 3 |
| Or STAT 530 | Applied Multivariate Statistics and Data Mining | |
| [**STAT 542**](https://uscbulletins-next.sc.edu/search/?P=STAT%20542) | Computing for Data Science | 3 |
| [**CSCE 567**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20567) | Visualization Tools | 3 |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Major Electives (12 hours)**

* Select four courses from the list below, or from [**STAT 530**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530), or [**CSCE 587**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20587)/[**STAT 587**](https://uscbulletins-next.sc.edu/search/?P=STAT%20587) that was not taken as a major course.
* Some of these courses have prerequisites not required in the program but may be taken as electives, as part of some minors, or to satisfy other requirements.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ANTH 323**](https://uscbulletins-next.sc.edu/search/?P=ANTH%20323) | Field School in Ethnography 2 | 3 |
| [**BIOL/STAT 588**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20588) | Genomic Data Science | 3 |
| [**CRJU 512**](https://uscbulletins-next.sc.edu/search/?P=CRJU%20512) | Information-Based Management in Criminal Justice | 3 |
| [**CRJU 582**](https://uscbulletins-next.sc.edu/search/?P=CRJU%20582) | Computer Applications in Criminal Justice | 3 |
| [**CSCE 556**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20556) | Data Analysis in Python: Application to Neuroscience | 3 |
| [**CSCE 585**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20585) | Machine Learning Systems | 3 |
| **CSCE 588/STAT 531** | Advanced Machine Learning with Implementation | 3 |
| [**EPID 410**](https://uscbulletins-next.sc.edu/search/?P=EPID%20410) | Principles of Epidemiology | 3 |
| [**GEOG 263**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20263) | Geographic Information Systems | 3 |
| [**GEOG 345**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20345) | Introduction to Remote Sensing | 3 |
| [**GEOG 551**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20551) | Remote Sensing of the Environment | 3 |
| [**ISCI 310**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20310) | Information Science Data Analysis and Evaluation | 3 |
| [**ISCI 560**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20560) | Data Visualization | 3 |
| [**MATH 529**](https://uscbulletins-next.sc.edu/search/?P=MATH%20529) | Introduction to Deep Neural Networks | 3 |
| [**~~MATH 572~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20572) | ~~Mathematical Foundation of Network Science~~ | ~~3~~ |
| [**POLI 475**](https://uscbulletins-next.sc.edu/search/?P=POLI%20475) | Survey Research | 3 |
| [**SOCY 391**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20391) | Sociological Research Methods | 3 |
| [**SOCY 562**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20562) | Advanced Sociological Research Methods | 3 |
| [**STAT 506**](https://uscbulletins-next.sc.edu/search/?P=STAT%20506) | Introduction to Experimental Design | 3 |
| **STAT 531/CSCE 588** | Advanced Machine Learning with Implementation | 3 |
| [**STAT 540**](https://uscbulletins-next.sc.edu/search/?P=STAT%20540) | Computing in Statistics | 3 |
| [**STAT 541**](https://uscbulletins-next.sc.edu/search/?P=STAT%20541) | Advanced SAS Programming | 3 |
| [**STAT/BIOL 588**](https://uscbulletins-next.sc.edu/search/?P=STAT%20588) | Genomic Data Science | 3 |
| Courses that require prerequisite courses in that subject area: | |  |
| [**ANTH 550**](https://uscbulletins-next.sc.edu/search/?P=ANTH%20550) | Archaeological Laboratory Methods 3 | 3 |
| [**ECON 336**](https://uscbulletins-next.sc.edu/search/?P=ECON%20336) | Introduction to Data Science for Economists | 3 |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics | 3 |
| [**ECON 594**](https://uscbulletins-next.sc.edu/search/?P=ECON%20594) | Advanced Econometrics | 3 |
| [**~~ISCI 301~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20301) | ~~Text Mining in Big Data Analytics~~ | ~~3~~ |
| [**GEOG 563**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20563) | Advanced Geographic Information Systems | 3 |
| [**GEOG 564**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20564) | GIS-Based Modeling | 3 |
| [**ITEC 370**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20370) | Database Systems in Information Technology | 3 |
| [**SOCY 561**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20561) | Real World Research Experience | 3 |
| Courses that may require a Minor in Business Administration and/or [**MGSC 291**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20291): | |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional | 3 |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems | 3 |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling | 3 |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making | 3 |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics | 3 |
| Course List | | |

**2** This course may only be taken for 3 applicable credit hours.

**3** This course may only be taken once.

1. **Data Science, B.S.**

Updating Overview/Introduction

The University of South Carolina’s Bachelor of Science in Data Science is an interdisciplinary program that unites computer science, mathematics, and statistics to tackle real-world problems involving large scale data sets.  Based in the College of Arts and Sciences, its faculty are from the Departments of Mathematics and Statistics in that college and from the Department of Computer Science and Engineering in the College of Engineering and Computing.  It provides a strong foundation in all the stages of data analysis, and combines it with the advanced tools and theory needed for developing new methods.

In addition to preparing students for a career in data science, the degree can be customized for students who plan to pursue graduate programs in data science, computer science, mathematics, or statistics. Its curriculum allows students to take a minor or additional ~~second~~ major in mathematics or statistics, a minor in computer science, or a second bachelor’s degree in computer science.  It can also be combined with a minor or additional major in an area of application.

Other data centered programs at USC include those in the Departments of [**Computer Science**](https://academicbulletins.sc.edu/undergraduate/engineering-computing/computer-science-engineering/computer-science-bscs/), [**Mathematics**](https://academicbulletins.sc.edu/undergraduate/arts-sciences/mathematics/),  [**Statistics**](https://academicbulletins.sc.edu/undergraduate/arts-sciences/statistics/), the interdisciplinary [**Data Analytics B.S.**](https://academicbulletins.sc.edu/undergraduate/arts-sciences/data-analytics-bs/) and a [**Minor in Data Science**](https://academicbulletins.sc.edu/undergraduate/engineering-computing/computer-science-engineering/data-science-minor/).  Students who are unsure which program they wish to pursue should consult with their advisor or [**Exploratory Advising**](https://sc.edu/about/offices_and_divisions/advising/changing_majors/index.php) immediately to make sure they take the correct MATH and STAT courses to allow for maximum flexibility.

Updating Carolina Core Requirements

**1. Carolina Core Requirements (32-46 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* any [**CC-CMW courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

*must be passed with a grade of C or higher*

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)\*
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)\*

**SCI – Scientific Literacy (8 hours)**

* Two 4-credit hour [**CC-SCI courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language (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. 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.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

*​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.*

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* any overlay or stand-alone [**CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* **ISCI 215** or
* [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101) or
* [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) or
* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1**

**Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Updating Program Requirements

**3. Program Requirements (32-49 hours)**

**Supporting Courses (0-13 ~~(7-10~~ hours)**

*Supporting courses must be passed with a grade of C or higher*

Supporting courses may be used to satisfy the requirements of a Minor or the Major Requirements of an additional major, in which case the hours are counted as part of that Minor or additional major.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 344**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344) | Applied Linear Algebra (\*) | 3 |
| or [**MATH 544**](https://uscbulletins-next.sc.edu/search/?P=MATH%20544) | Linear Algebra | |
| [**MATH 344L**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344L) | Applied Linear Algebra Lab (\*) | 1 |
| **MATH 374** | Discrete Structures (\*) | 3 |
| **Or MATH 574** | Discrete Mathematics I | |
| [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) | Statistical Methods I (\*) | 3 |
| or [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers | |
| **Ethics in Data Science \*** | | **0-3** |
| If [**ISCI 215**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20215) or [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101) or [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) were not taken to fulfill the Carolina Core VSR requirement with a grade of C or higher, then one of the following must be taken: | |  |
| [**CSCE 390**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20390) | Professional Issues in Computer Science and Engineering |  |
| [**CSCE 581**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20581) | Trusted Artificial Intelligence |  |
| [**CYBR 392**](https://uscbulletins-next.sc.edu/search/?P=CYBR%20392) | Special Topics in Cyber Society and Ethics |  |
| **ISCI 215** | Ethics in the Era of Big Data |  |
| [**ISCI 315**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20315) | Cyberethics and Information Policy |  |
| [**ISCI 415**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20415) | Social Issues in Information and Communications Technologies |  |
| [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101) | Thriving in the Tech Age |  |
| [**PHIL 323**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20323) | Ethics of Science and Technology |  |
| [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) | Engineering Ethics |  |
| **PHIL 326** | AI Ethics |  |
| Course List | | |

**~~Cognate or Minor (12-18 hours)~~**

~~Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student’s program of study. Additional majors must include all major courses as well as any prescribed courses noted (\*) in the bulletin. Prescribed courses noted in the bulletin may be shared with the Carolina Core, College Requirements, and Program Requirements in the primary program.~~

**~~Cognate (12 hours)~~**

~~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.~~

~~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~~**](https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-cognate/)~~. 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. Students are urged to consult their major advisors for specific requirements in their major.~~

~~Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.~~

**Minor (0-18 ~~(18~~ hours) *optional***

This major does not require a cognate or minor.

~~In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.~~

~~The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.~~

An optional minor may be added to a student’s program of study. A 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 higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at **Programs A-Z.**

An optional additional major may also be added to a student’s program of study. **Additional majors must include all major courses as well as any prescribed courses noted (\*) in the bulletin.**Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

~~A list of minor programs of study can be found at~~[**~~Programs A-Z~~**](https://academicbulletins.sc.edu/undergraduate/programs-az/)~~.~~

**Electives (1-39 ~~(4-30~~ hours)**

120 (or 128) degree applicable credits are required to complete any degree at USC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. 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.

Updating Major Requirements

**4. Major Requirements (24 hours)**

*a minimum grade of C is required in all major courses*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Major Courses (18 hours)** | |  |
| [**STAT 516**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | Statistical Methods II | 3 |
| [**STAT 542**](https://uscbulletins-next.sc.edu/search/?P=STAT%20542) | Computing for Data Science | 3 |
| [**CSCE 567**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20567) | Visualization Tools | 3 |
| [**~~MATH 374~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20374) | ~~Discrete Structures~~ | ~~3~~ |
| ~~or~~[**~~MATH 574~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20574) | ~~Discrete Mathematics I~~ | |
| [**CSCE/STAT 587**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20587) | Big Data Analytics | 3 |
| or [**STAT 530**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530) | Applied Multivariate Statistics and Data Mining | |
| [**~~STAT 587~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20587) | ~~Big Data Analytics~~ |  |
| ~~Select one of the following:~~ | | ~~3~~ |
| **STAT 531/CSCE 588** | Advanced Machine Learning with Implementation | 3 |
| Select one of the following: | | 3 |
| [**~~STAT 530~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530) | ~~Applied Multivariate Statistics and Data Mining~~ |  |
| [**MATH/STAT 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511) | Probability |  |
| [**~~STAT 511~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) | ~~Probability~~ |  |
| [**MATH 528**](https://uscbulletins-next.sc.edu/search/?P=MATH%20528) | Mathematical Foundation of Data Science and Machine Learning |  |
| **MATH 529** | Introduction to Deep Neural Networks |  |
| [**MATH 572**](https://uscbulletins-next.sc.edu/search/?P=MATH%20572) | Mathematical Foundation of Network Science |  |
| **Total Credit Hours** | | **18** |
| Course List | | |

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Major Electives (6 hours)** | |  |
| Select two courses from the list below or from any of [**STAT 530**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530), [**CSCE 587**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20587)/[**STAT 587**](https://uscbulletins-next.sc.edu/search/?P=STAT%20587), [**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511)/[**STAT 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511), [**MATH 528**](https://uscbulletins-next.sc.edu/search/?P=MATH%20528), [**MATH 529**](https://uscbulletins-next.sc.edu/search/?P=MATH%20529), or [**MATH 572**](https://uscbulletins-next.sc.edu/search/?P=MATH%20572) that were not taken as Major Courses. | | 6 |
| [**~~BIOL 588~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20588) | ~~Genomic Data Science~~ |  |
| [**CSCE 556**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20556) | Data Analysis in Python: Application to Neuroscience |  |
| [**CSCE 569**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20569) | Parallel Computing |  |
| [**CSCE 580**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20580) | Artificial Intelligence |  |
| [**CSCE/STAT 582**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20582) | Bayesian Networks and Decision Graphs |  |
| [**CSCE 585**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20585) | Machine Learning Systems |  |
| [**MATH 524**](https://uscbulletins-next.sc.edu/search/?P=MATH%20524) | Nonlinear Optimization |  |
| [**~~MATH 529~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20529) | ~~Introduction to Deep Neural Networks~~ |  |
| [**STAT 512**](https://uscbulletins-next.sc.edu/search/?P=STAT%20512) | Mathematical Statistics |  |
| [**STAT 517**](https://uscbulletins-next.sc.edu/search/?P=STAT%20517) | Advanced Statistical Models |  |
| [**STAT 519**](https://uscbulletins-next.sc.edu/search/?P=STAT%20519) | Sampling |  |
| [**STAT 535**](https://uscbulletins-next.sc.edu/search/?P=STAT%20535) | Introduction to Bayesian Data Analysis |  |
| [**STAT 540**](https://uscbulletins-next.sc.edu/search/?P=STAT%20540) | Computing in Statistics |  |
| [**STAT 541**](https://uscbulletins-next.sc.edu/search/?P=STAT%20541) | Advanced SAS Programming |  |
| [**STAT/CSCE 582**](https://uscbulletins-next.sc.edu/search/?P=STAT%20582) | Bayesian Networks and Decision Graphs |  |
| [**STAT/BIOL 588**](https://uscbulletins-next.sc.edu/search/?P=STAT%20588) | Genomic Data Science |  |
| **Total Credit Hours** | |  |
| Course List | | |

1. **English, B.A.**

Updating Overview/ Introduction

The Bachelor of Arts in English major offers five ~~four~~ distinct areas of study, designed to advance skills in writing, interpretation and critical thinking:

* The general English major offers students broad and diverse knowledge in literary and cultural studies (e.g., from Shakespeare and Toni Morrison to comic books and digital writing), along with advanced skills in writing and critical analysis.
* The Communication and Culture Concentration provides an interdisciplinary, humanities-based approach to the study of communication, broadly defined to include writing, oral communication, rhetoric and media (e.g., film, comics, digital media); students gain advanced skills in writing, speaking, argumentation and advocacy, and critical analysis.
* The Writing Concentration ~~writing concentration~~ lets students work with distinguished authors in multiple genres to hone their skills in poetry, fiction, creative nonfiction and professional writing.
* The Secondary Education Concentration ~~secondary education concentration~~ prepares students to teach English at the secondary level through the completion of the B.A. degree with the option of completing a Master of Teaching (M.T.) in the fifth year.
* The Intensive Major ~~intensive major~~ is ideal for those planning to pursue graduate study in fields like literature, creative writing, rhetoric, composition or cultural studies and includes a senior seminar or thesis.

Updating Major Requirements

**4. Major Requirements (30-42 hours)**

Students may choose to complete the General Major, the Intensive Major, or the major with a concentration in Secondary Education English, Writing, ~~English~~ or Communication and Culture. ~~Writing.~~

*A minimum grade of C is required in all major courses.*

**Communication and Culture Concentration (30 Hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
|  | |  |
| **Speech Communication and Rhetoric** | | **6** |
| Choose two of the following: | |  |
| **SPCH 201** | Popular Communication and Public Culture |  |
| **SPCH 330** | Small Group Communication |  |
| **SPCH 331** | Organizational Communication |  |
| **SPCH 340** | Literature and Performance |  |
| **SPCH 380** | Persuasive Communication |  |
| **SPCH/ENGL 387** | Introduction to Rhetoric |  |
| **SPCH 399** | Independent Study and Research |  |
| **SPCH 411** | Arguments in Cultural Studies |  |
| **SPCH 441** | Rhetorical Criticism |  |
| **SPCH 448** | Contemporary Political Rhetoric |  |
| **SPCH 463** | Great Debates |  |
| **SPCH 464** | Speechwriting |  |
| **SPCH/ENGL 470** | Rhetoric of Science and Technology |  |
| **SPCH/ENGL 471** | Rhetoric and the Ancient Roots of Modern Life |  |
| **SPCH/ENGL 472** | Rhetoric and Popular Culture |  |
| **SPCH/ENGL/WGST 485** | Women’s Rhetoric |  |
| **SPCH/AFAM/ENGL 486** | African-American Rhetoric |  |
| **SPCH 499** | Special Topics in Speech |  |
| **SPCH 543** | Communication, Law, and Society |  |
| **Writing and Rhetoric** | | **6** |
| Choose two from the following: | |  |
| **ENGL 360** | Creative Writing |  |
| **ENGL/SPCH 387** | Introduction to Rhetoric |  |
| **ENGL 460** | Advanced Writing |  |
| **ENGL 461** | The Teaching of Writing |  |
| **ENGL 462** | Technical Writing |  |
| **ENGL 463** | Business Writing |  |
| **ENGL 464** | Poetry Workshop |  |
| **ENGL 465** | Fiction Workshop |  |
| **ENGL 466** | Internship |  |
| **ENGL 467** | Topics in Rhetoric |  |
| **ENGL 468** | Digital Writing |  |
| **ENGL 469** | Creative Nonfiction |  |
| **ENGL/SPCH 470** | Rhetoric of Science and Technology |  |
| **ENGL/SPCH 471** | Rhetoric and the Ancient Roots of Modern Life |  |
| **ENGL/SPCH 472** | Rhetoric and Popular Culture |  |
| **ENGL/SPCH/WGST 485** | Women’s Rhetoric |  |
| **ENGL/SPCH/AFAM 486** | African-American Rhetoric |  |
| **ENGL 491** | Advanced Poetry Workshop |  |
| **ENGL 492** | Advanced Fiction Workshop |  |
| **ENGL 493** | Advanced Creative Non-Fiction |  |
| **ENGL 494** | Advanced Professional Writing Workshop |  |
| **Media & Culture** | | **6** |
| Choose two of the following: | |  |
| **ENGL/FAMS 240** | Course ENGL 240 Not Found |  |
| **ENGL/FAMS 350** | Introduction to Comics Studies |  |
| **ENGL/FAMS 351** | Course ENGL 351 Not Found |  |
| **ENGL 352/FAMS 325** | Course ENGL 352 Not Found |  |
| **ENGL 353/FAMS 355** | Course ENGL 353 Not Found |  |
| **ENGL 355/FAMS 360** | Course ENGL 355 Not Found |  |
| **ENGL 373** | Literature and Film of the Holocaust |  |
| **ENGL 431B** | Picture Books |  |
| **ENGL 439** | Selected Topics |  |
| **ENGL 489/AFAM 420** | Course ENGL 489 Not Found |  |
| **ENGL/SPCH 472** | Rhetoric and Popular Culture |  |
| **ENGL/AFAM/WGST 515** | Course ENGL 515 Not Found |  |
| **ENGL/FAMS 566** | Special Topics in U.S. Film and Media |  |
| **ENGL 567/FAMS 598/FORL 598/MART 594** | Course ENGL 567 Not Found |  |
| **Select any two courses from the 3 areas listed above (Speech Communication and Rhetoric, Writing and Rhetoric or Media and Culture** | | **6** |
| **Select any two additional ENGL courses at the 300 level or above** | | **6** |
| **Total Credit Hours** | |  |
| Course List | | |

1. **Environmental Science, B.S.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (32-46 ~~(34-46~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)\*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)\*

**ARP – Analytical Reasoning and Problem Solving (6-8 ~~(8~~ hours)**

*must be passed with a grade of C or higher.*

* **MATH 141**\* or **MATH 122**\*
* **MATH 142\*, MATH 170\*,MATH 172\* or MATH 174\***
* [**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~\*~~*~~must be passed with a grade of C or higher~~*
* [**~~MATH 142~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)~~\*~~

**SCI – Scientific Literacy (8 hours)**

* [**BIOL 101**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20101)\* & [**BIOL 101L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20101L)\* **or** [**MSCI 101**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20101)\*
* [**BIOL 102**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20102)\* & [**BIOL 102L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20102L)\* **or** [**MSCI 102**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20102)\*

Note: Must take either both BIOL or both MSCI.

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (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. 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.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

*​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.*

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* Any **CC-GSS course. POLI 201**\* is strongly suggested.
* [**~~POLI 201~~**](https://uscbulletins-next.sc.edu/search/?P=POLI%20201)~~\*~~

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* any overlay or stand-alone [**CC-CMS**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)course

**INF – Information Literacy1 (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* fulfilled through [**POLI 201**](https://academicbulletins.sc.edu/search/?P=POLI%20201)\*, an overlay course with GSS, or may be filled by any overlay or stand-alone [**CC-VSR**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)course

Updating College Requirements

**2. College Requirements (15-18 hours)**

**Foreign Language (0-3 hours)**

* only if needed to meet 122-level proficiency

**Analytical Reasoning (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) | Statistical Methods I (or higher \*) | 3 |
| Select one of the following: | | 3 |
| [**~~CSCE 102~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20102) | ~~General Applications Programming (\*)~~ |  |
| [**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) or a higher CSCE course | |  |
| [**MSCI 305**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20305) | Ocean Data Analysis |  |
| [**MSCI 509**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20509) | MATLAB-Based Data Analysis in Ocean Sciences |  |
| **Total Credit Hours** | | **6** |
| Course List | | |

Note: Courses used to fulfill the College requirements may not also be used to fulfill other degree requirements.

**History (3 hours)**

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

* If the Carolina Core GHS requirement is fulfilled by a ***U.S. history*** course, the College of Arts and Sciences history requirement must be fulfilled by a ***non-U.S. history*** course.
* If the Carolina Core GHS requirement is fulfilled by a ***non-U.S. history*** course, the College of Arts and Sciences history requirement must be fulfilled by a ***U.S. history***course.

Please select the College of Arts and Sciences history requirement from the approved list of [**U.S. and non-U.S. history courses**](https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/).

**Social Science (3 hours)**

* Any **CC-GSS course**

**Fine Arts or Humanities (3 hours)**

* A Bachelor of Science from the College of Arts and Sciences requires one 3-hour **Fine** **Arts/Humanities Course**

~~The College of Arts and Sciences requires one 3-hour Social Science course.~~

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| ~~Select one of the following:~~ | | ~~3~~ |
| [**~~ECON 221~~**](https://uscbulletins-next.sc.edu/search/?P=ECON%20221) | ~~Principles of Microeconomics (\*)~~ |  |
| [**~~ECON 223~~**](https://uscbulletins-next.sc.edu/search/?P=ECON%20223) | ~~Introduction to Economics (\*)~~ |  |
| [**~~ECON 224~~**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | ~~Introduction to Economics (\*)~~ |  |
| **Total Credit Hours** | | **0** |
| Course List | | |

**~~Fine Arts or Humanities (3 hours)~~**

~~A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine-Arts/Humanities course.~~

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| ~~Select one of the following:~~ | | ~~3~~ |
| [**~~ENVR 322~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | ~~Environmental Ethics (\*)~~ |  |
| [**~~PHIL 312~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20312) | ~~Classical Origins of Western Medical Ethics (\*)~~ |  |
| [**~~PHIL 320~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20320) | ~~Ethics (\*)~~ |  |
| [**~~PHIL 321~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20321) | ~~Medical Ethics (\*)~~ |  |
| [**~~PHIL 322~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20322) | ~~Environmental Ethics (\*)~~ |  |
| [**~~PHIL 323~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20323) | ~~Ethics of Science and Technology (\*)~~ |  |
| [**~~PHIL 324~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20324) | ~~Business Ethics (\*)~~ |  |
| [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) | ~~Engineering Ethics (\*)~~ |  |
| [**~~PHIL 360~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20360) | ~~History and Philosophy of Science (\*)~~ |  |
| [**~~PHIL 514~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20514) | ~~Ethical Theory (\*)~~ |  |
| [**~~PHIL 550~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20550) | ~~Health Care Ethics (\*)~~ |  |
| **~~Total Credit Hours~~** | | **~~0~~** |
| ~~Course List~~ | | |

Updating Program Requirements

**3. Program Requirements (24-34 ~~(28-45~~ hours)**

**Supporting Courses (16 ~~(27~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one of the following: | | 8 |
| [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) & [**111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L) & [**112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) & [**112L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L) | General Chemistry I and General Chemistry I Lab and General Chemistry II and General Chemistry II Lab (\*) |  |
| ~~and~~ | |  |
| [**~~CHEM 112~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) ~~&~~[**~~112L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L) | ~~General Chemistry II and General Chemistry II Lab (\*)~~ |  |
| ~~or~~ | |  |
| [**CHEM 141**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20141) & [**142**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20142) | Principles of Chemistry I and Principles of Chemistry II (\*) |  |
| Select four hours of the following: | | 4 |
| **ENVR 101 & 101L** | Introduction to the Environment and Introduction to the Environment Lab |  |
| [**GEOL 101**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20101) | Introduction to the Earth (\*) |  |
| [**GEOL 201**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20201) | Observing the Earth (\*) |  |
| [**GEOG 201**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20201) | Landform Geography (\*) |  |
| Select one of the following: | | 4 |
| [**PHYS 201**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201) & [**201L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201L) | General Physics I and General Physics Laboratory I (\*) |  |
| [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) & [**211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L) | Essentials of Physics I and Essentials of Physics I Lab (\*) |  |
| ~~Select one of the following:~~ | | ~~3~~ |
| [**~~ENVR 548~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20548) | ~~Environmental Economics (\*)~~ |  |
| [**~~POLI 477~~**](https://uscbulletins-next.sc.edu/search/?P=POLI%20477) | ~~Green Politics (\*)~~ |  |
| [**~~POLI 478~~**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | ~~Environmental Policy (\*)~~ |  |
| [**~~ENVR 201~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20201) | ~~Environmental Science and Policy I (\*)~~~~1,2~~ | ~~4~~ |
| [**~~ENVR 202~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20202) | ~~Environmental Science and Policy II (\*)~~~~1,2~~ | ~~4~~ |
| **Total Credit Hours** | | **16** |
| Course List | | |

Updating Major Requirements

**4. Major Requirements (30-35 ~~(34-36~~ hours)**

*A minimum grade of C is required in all major courses.*

**Major Courses (17-20 ~~(17-18~~ hours)**

All majors must complete at least 30-35 ~~34-36~~ hours of approved courses which must include the core requirements of 17-20 ~~17-18~~ hours. Majors must complete 17-20 ~~17-18~~ additional hours in major elective courses to bring them to the required 34-39 ~~34-36~~ hours total. Students are required to develop a program of study in consultation with their advisor. A minimum grade of C is required for all courses used to fulfill major requirements. Any modifications to the program of study require the approval of the Director of Undergraduate Studies.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **ENVR 201** | Environmental Science and Policy I (\*) | 4 |
| **ENVR 202** | Environmental Science and Policy II (\*) | 4 |
| **Interdisciplinary Breadth Requirement** | | **7-8** |
| Choose 2 of 3 categories: | |  |
| Geography Category | |  |
| [**GEOG 202**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20202) | Weather and Climate |  |
| or [**GEOL 335**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20335) | Processes of Global Environmental Change | |
| [**~~GEOL 315~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20315) | ~~Surface and Near Surface Processes~~ |  |
| Geology Category | |  |
| **GEOL 310** | Surface and Subsurface Hydrology |  |
| or **GEOL 315** | Surface and Near Surface Processes | |
| Biology/ENHS Category | |  |
| [**BIOL 301**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20301) | Ecology and Evolution |  |
| or [**ENHS 660**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20660) | Concepts of Environmental Health Science | |
| **Culminating Experience** | | **2-4** |
| Choose 1 of the following: | |  |
| [**ENVR 480**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20480) | Capstone Seminar in Environmental Science and Environmental Studies |  |
| ~~Select three of the following:~~ | | ~~10-11~~ |
| [**~~ECIV 350~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20350) | ~~Introduction to Environmental Engineering~~ |  |
| [**~~ENHS 660~~**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20660) | ~~Concepts of Environmental Health Science~~ |  |
| **ENVR 460** | Congaree National Park: Field Investigations in Environmental Science |  |
| **Or MSCI 460** | Field and Laboratory Investigations in Marine Science | |
| Any 500+ level class from the Major Electives list below | |  |
| ENVR/GEOL/MSCI 495 | |  |
| **Total Credit Hours** | | **17-20** |
| Course List | | |

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Choose 1 of the following: | |  |
| **ENVR 480** | Capstone Seminar in Environmental Science and Environmental Studies |  |
| **ENVR 460** | Congaree National Park: Field Investigations in Environmental Science |  |
| or **MSCI 460** | Field and Laboratory Investigations in Marine Science | |
| Any 500+ level class from the Major Electives list below | |  |
| **ENVR/GEOL/MSCI 495** | Internship in the Environment |  |
| Course List | | |

**~~Major Electives (17-18 hours)~~**

Students, in consultation with their assigned advisor, must develop a program of study which either provides a broad set environmental science courses chosen from the list below or allows students to focus in a defined area within the concentrations that follow. ~~area. Given the current course offerings and faculty expertise at the University, if a student wanted to focus their elective course work, possible areas include: Natural Systems, Climate and Weather, Water Resources, Energy, or Humans and the Environment.~~ All students' elective ~~Students’ selective~~ courses should include at least 6 hours taken at the 400 level or above.  ~~All courses may be selected from ENVR designator classes, but if not ENVR classes, then no more than 3 should be from a single discipline and no more than one Research Methods course.~~

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Science Concepts** | | **10-12** |
| **BIOL 301** | Ecology and Evolution |  |
| **BIOL 301L** | Ecology and Evolution Laboratory |  |
| **BIOL 420** | Survey of the Plant Kingdom |  |
| **BIOL 510** | Invertebrate Zoology |  |
| **BIOL 526** | The Fall Flora |  |
| **BIOL 527** | The Spring Flora |  |
| **BIOL 528** | The Summer Flora |  |
| **BIOL 534** | Animal Behavior |  |
| **BIOL 534L** | Animal Behavior Laboratory |  |
| **BIOL 536** | Ichthyology |  |
| **BIOL 537** | Aquaculture |  |
| **BIOL 538** | Behavior of Marine Organisms |  |
| **BIOL 570** | Principles of Ecology |  |
| **BIOL 570L** | Principles of Ecology Laboratory |  |
| **BIOL 571** | Conservation Biology |  |
| **BIOL 572** | Freshwater Ecology |  |
| **BIOL 574** | Marine Conservation Biology |  |
| **BIOL 599** | Topics in Biology |  |
| **ECHE 573** | Next Energy |  |
| **ECIV 350** | Introduction to Environmental Engineering |  |
| **ECIV 350L** | Introduction to Environmental Engineering Laboratory |  |
| **ECIV 360** | Fluid Mechanics |  |
| **ECIV 362** | Introduction to Water Resources Engineering |  |
| **ECIV 362L** | Introduction to Water Resources Engineering Laboratory |  |
| **ENHS 321** | Environmental Pollution and Health |  |
| **ENHS 660** | Concepts of Environmental Health Science |  |
| **ENVR 352** | Energy, Society and Sustainability |  |
| **ENVR 504** | Climate Geoengineering |  |
| **GEOG 202** | Weather and Climate |  |
| **GEOG 347** | Water as a Resource |  |
| **GEOG 348** | Biogeography |  |
| **GEOG 365** | Hurricanes and Tropical Climatology |  |
| **GEOG 547** | Fluvial Geomorphology |  |
| **GEOG 549** | Water and Watersheds |  |
| **GEOG 567** | Long-Term Environmental Change |  |
| **GEOL 305** | Earth Systems through Time |  |
| **GEOL 315** | Surface and Near Surface Processes |  |
| **GEOL 325** | Stratigraphy and Sedimentary Basins |  |
| **GEOL 335** | Processes of Global Environmental Change |  |
| **GEOL 371** | A View of the River |  |
| **GEOL 501** | Principles of Geomorphology |  |
| **GEOL 570** | Environmental Hydrogeology |  |
| **MSCI 311** | Biology of Marine Organisms |  |
| **MSCI 575** | Marine Ecology |  |
| **MSCI 575L** | Marine Ecology Laboratory |  |
| **MSCI 577** | Ecology of Coral Reefs |  |
| **MSCI 578** | Physiological and Pollution Ecology of Marine Organisms |  |
| **Environment & Society** | | **3** |
| **MSCI 390** | Policy and Marine Science |  |
| **POLI 478** | Environmental Policy |  |
| **GEOG 321** | Sustainable Cities |  |
| **GEOG 346** | Climate and Society |  |
| **GEOG 370** | America’s National Parks |  |
| **GEOG 516** | Coastal Zone Management |  |
| **GEOG 530** | Environmental Hazards |  |
| **GEOG 566** | Climate Adaptation and Community Resilience Planning |  |
| **GEOG 568** | Human Dimensions of Global Environmental Change |  |
| **GEOG 570** | Geography of Public Land and Water Policy |  |
| **ENVR 322** | Environmental Ethics |  |
| **ENVR 331** | Integrating Sustainability |  |
| **ENVR 348** | Environmental Racism and Justice |  |
| **ENVR 534** | Water and Sanitation in Global Perspective |  |
| **ENVR 538** | Global Food Politics |  |
| **ENVR 517** | Socionatural Coastlines in Global Perspective |  |
| **ENVR 540** | Decolonizing the Environment: Race, Nature, Power |  |
| **ENVR 548** | Environmental Economics |  |
| Course List | | |

**Concentrations (10-12 hours)**

**Conservation & Ecology Concentration**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Science Concepts** | | **10-12** |
| **BIOL 301** | Ecology and Evolution |  |
| **BIOL 301L** | Ecology and Evolution Laboratory |  |
| **BIOL 420** | Survey of the Plant Kingdom |  |
| **BIOL 526** | The Fall Flora |  |
| **BIOL 527** | The Spring Flora |  |
| **BIOL 528** | The Summer Flora |  |
| **BIOL 510** | Invertebrate Zoology |  |
| **BIOL 534** | Animal Behavior |  |
| **BIOL 536** | Ichthyology |  |
| **BIOL 599** | Topics in Biology |  |
| **BIOL 537** | Aquaculture |  |
| **BIOL 572** | Freshwater Ecology |  |
| **BIOL 570** | Principles of Ecology |  |
| **BIOL 538** | Behavior of Marine Organisms |  |
| **BIOL 571** | Conservation Biology |  |
| **BIOL 574** | Marine Conservation Biology |  |
| **MSCI 311** | Biology of Marine Organisms |  |
| **MSCI 575** | Marine Ecology |  |
| **MSCI 577** | Ecology of Coral Reefs |  |
| **MSCI 578** | Physiological and Pollution Ecology of Marine Organisms |  |
| **GEOG 348** | Biogeography |  |
| **Environment & Society** | | **3** |
| **ENVR 534** | Water and Sanitation in Global Perspective |  |
| **ENVR 538** | Global Food Politics |  |
| **ENVR 540** | Decolonizing the Environment: Race, Nature, Power |  |
| **ENVR 517** | Socionatural Coastlines in Global Perspective |  |
| **ENVR 322** | Environmental Ethics |  |
| **ENVR 331** | Integrating Sustainability |  |
| **GEOG 370** | America’s National Parks |  |
| **GEOG 566** | Climate Adaptation and Community Resilience Planning |  |
| **GEOG 570** | Geography of Public Land and Water Policy |  |
| **GEOG 516** | Coastal Zone Management |  |
| **MSCI 390** | Policy and Marine Science |  |
| **POLI 478** | Environmental Policy |  |
| Course List | | |

**Climate & Energy Concentration**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Science Concepts** | | **10-12** |
| **ENVR 352** | Energy, Society and Sustainability |  |
| **ENVR 504** | Climate Geoengineering |  |
| **GEOG 202** | Weather and Climate |  |
| **GEOG 365** | Hurricanes and Tropical Climatology |  |
| **GEOG 567** | Long-Term Environmental Change |  |
| **GEOG 321** | Sustainable Cities |  |
| **GEOL 302** | Rocks and Minerals |  |
| **GEOL 335** | Processes of Global Environmental Change |  |
| **GEOL 305** | Earth Systems through Time |  |
| **ECHE 573** | Next Energy |  |
| **Environment & Society** | | **3** |
| **GEOG 517** | Socionatural Coastlines in Global Perspective |  |
| **GEOG 568** | Human Dimensions of Global Environmental Change |  |
| **GEOG 346** | Climate and Society |  |
| **ENVR 540** | Decolonizing the Environment: Race, Nature, Power |  |
| **ENVR 348** | Environmental Racism and Justice |  |
| **POLI 478** | Environmental Policy |  |
| Course List | | |

**Water & Coasts Concentration**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Science Concepts** | | **10-12** |
| **GEOL 315** | Surface and Near Surface Processes |  |
| **GEOL 325** | Stratigraphy and Sedimentary Basins |  |
| **GEOL 371** | A View of the River |  |
| **GEOL 501** | Principles of Geomorphology |  |
| **GEOL 570** | Environmental Hydrogeology |  |
| **GEOG 547** | Fluvial Geomorphology |  |
| **GEOG 549** | Water and Watersheds |  |
| **GEOG 347** | Water as a Resource |  |
| **ECIV 350** | Introduction to Environmental Engineering |  |
| **ECIV 360** | Fluid Mechanics |  |
| **ECIV 362** | Introduction to Water Resources Engineering |  |
| **ENHS 321** | Environmental Pollution and Health |  |
| **ENHS 660** | Concepts of Environmental Health Science |  |
| **Environment & Society** | | **3** |
| **ENVR 534** | Water and Sanitation in Global Perspective |  |
| **ENVR 517** | Socionatural Coastlines in Global Perspective |  |
| **ENVR 348** | Environmental Racism and Justice |  |
| **GEOG 321** | Sustainable Cities |  |
| **GEOG 346** | Climate and Society |  |
| **GEOG 516** | Coastal Zone Management |  |
| **GEOG 530** | Environmental Hazards |  |
| **MSCI 390** | Policy and Marine Science |  |
| **POLI 478** | Environmental Policy |  |
| Course List | | |

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Science Concepts** | | **10-12** |
| **BIOL 301** | Ecology and Evolution |  |
| **BIOL 301L** | Ecology and Evolution Laboratory |  |
| **BIOL 420** | Survey of the Plant Kingdom |  |
| **BIOL 510** | Invertebrate Zoology |  |
| **BIOL 526** | The Fall Flora |  |
| **BIOL 527** | The Spring Flora |  |
| **BIOL 528** | The Summer Flora |  |
| **BIOL 534** | Animal Behavior |  |
| **BIOL 534L** | Animal Behavior Laboratory |  |
| **BIOL 536** | Ichthyology |  |
| **BIOL 537** | Aquaculture |  |
| **BIOL 538** | Behavior of Marine Organisms |  |
| **BIOL 570** | Principles of Ecology |  |
| **BIOL 570L** | Principles of Ecology Laboratory |  |
| **BIOL 571** | Conservation Biology |  |
| **BIOL 572** | Freshwater Ecology |  |
| **BIOL 574** | Marine Conservation Biology |  |
| **BIOL 599** | Topics in Biology |  |
| **ECHE 573** | Next Energy |  |
| **ECIV 350** | Introduction to Environmental Engineering |  |
| **ECIV 350L** | Introduction to Environmental Engineering Laboratory |  |
| **ECIV 360** | Fluid Mechanics |  |
| **ECIV 362** | Introduction to Water Resources Engineering |  |
| **ECIV 362L** | Introduction to Water Resources Engineering Laboratory |  |
| **ENHS 321** | Environmental Pollution and Health |  |
| **ENHS 660** | Concepts of Environmental Health Science |  |
| **ENVR 352** | Energy, Society and Sustainability |  |
| **ENVR 504** | Climate Geoengineering |  |
| **GEOG 202** | Weather and Climate |  |
| **GEOG 347** | Water as a Resource |  |
| **GEOG 348** | Biogeography |  |
| **GEOG 365** | Hurricanes and Tropical Climatology |  |
| **GEOG 547** | Fluvial Geomorphology |  |
| **GEOL 549** | Water and Watersheds |  |
| **GEOG 567** | Long-Term Environmental Change |  |
| **GEOL 305** | Earth Systems through Time |  |
| **GEOL 315** | Surface and Near Surface Processes |  |
| **GEOL 325** | Stratigraphy and Sedimentary Basins |  |
| **GEOL 335** | Processes of Global Environmental Change |  |
| **GEOL 371** | A View of the River |  |
| **GEOL 501** | Principles of Geomorphology |  |
| **GEOL 570** | Environmental Hydrogeology |  |
| **MSCI 311** | Biology of Marine Organisms |  |
| **MSCI 575** | Marine Ecology |  |
| **MSCI 575L** | Marine Ecology Laboratory |  |
| **MSCI 577** | Ecology of Coral Reefs |  |
| **MSCI 578** | Physiological and Pollution Ecology of Marine Organisms |  |
| **Environment & Society** | | **3** |
| **MSCI 390** | Policy and Marine Science |  |
| **POLI 478** | Environmental Policy |  |
| **GEOG 321** | Sustainable Cities |  |
| **GEOG 346** | Climate and Society |  |
| **GEOG 370** | America’s National Parks |  |
| **GEOG 516** | Coastal Zone Management |  |
| **GEOG 530** | Environmental Hazards |  |
| **GEOG 566** | Climate Adaptation and Community Resilience Planning |  |
| **GEOG 568** | Human Dimensions of Global Environmental Change |  |
| **GEOG 570** | Geography of Public Land and Water Policy |  |
| **ENVR 322** | Environmental Ethics |  |
| **ENVR 331** | Integrating Sustainability |  |
| **ENVR 348** | Environmental Racism and Justice |  |
| **ENVR 534** | Water and Sanitation in Global Perspective |  |
| **ENVR 538** | Global Food Politics |  |
| **ENVR 517** | Socionatural Coastlines in Global Perspective |  |
| **ENVR 540** | Decolonizing the Environment: Race, Nature, Power |  |
| **ENVR 548** | Environmental Economics |  |
| Course List | | |

**~~Courses Acceptable for Major Credit~~**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **~~From the Environment and Sustainability Program~~** |  |
| [**~~ENVR 231~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20231) | ~~Introduction to Sustainability Management and Leadership~~ | ~~3-4~~ |
| [**~~ENVR 321~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | ~~Environmental Pollution and Health~~ | ~~3~~ |
| [**~~ENVR 323~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20323) | ~~Global Environmental Health~~ | ~~3~~ |
| [**~~ENVR 331~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | ~~Integrating Sustainability~~ | ~~3~~ |
| [**~~ENVR 348~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20348) | ~~Environmental Racism and Justice~~ | ~~3~~ |
| [**~~ENVR 352~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20352) | ~~Energy, Society and Sustainability~~ | ~~3~~ |
| [**~~ENVR 399~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20399) | ~~Independent Study~~ | ~~1-6~~ |
| [**~~ENVR 460~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20460) | ~~Congaree National Park: Field Investigations in Environmental Science~~ | ~~4~~ |
| [**~~ENVR 490~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20490) | ~~Special Topics in Sustainability and the Environment~~ | ~~1-4~~ |
| [**~~ENVR 499~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20499) | ~~Research in Environmental Science~~ | ~~1-3~~ |
| [**~~ENVR 500~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20500) | ~~Environmental Practicum~~ | ~~3~~ |
| [**~~ENVR 501~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20501) | ~~Special Topics in the Environment~~ | ~~3~~ |
| [**~~ENVR 531~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20531) | ~~Sustainability Management and Leadership Strategies~~ | ~~333-4~~ |
| [**~~ENVR 533~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | ~~Sustainability Projects Course~~ | ~~3~~ |
| [**~~ENVR 548~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20548) | ~~Environmental Economics~~ | ~~3~~ |
| [**~~ENVR 571~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20571) | ~~Conservation Biology~~ | ~~3~~ |
| [**~~ENVR 572~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20572) | ~~Freshwater Ecology~~ | ~~3~~ |
| **~~From the Life Sciences~~** |  |
| [**~~BIOL 302~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20302) | ~~Cell and Molecular Biology~~ | ~~3~~ |
| [**~~BIOL 302L~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20302L) | ~~Cell and Molecular Biology Laboratory~~ | ~~1~~ |
| [**~~BIOL 303~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20303) | ~~Fundamental Genetics~~ | ~~3~~ |
| [**~~BIOL 420~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20420) | ~~Survey of the Plant Kingdom~~ | ~~3~~ |
| [**~~BIOL 420L~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20420L) | ~~Survey of the Plant Kingdom Laboratory~~ | ~~1~~ |
| [**~~BIOL 460~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20460) | ~~Advanced Human Physiology~~ | ~~3~~ |
| [**~~BIOL 541~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541) | ~~Biochemistry~~ | ~~3~~ |
| [**~~BIOL 541L~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541L) | ~~Biochemistry Laboratory~~ | ~~1~~ |
| [**~~BIOL 549~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20549) | ~~Plant Physiology~~ | ~~4~~ |
| [**~~BIOL 570~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20570) | ~~Principles of Ecology~~ | ~~3~~ |
| [**~~BIOL 570L~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20570L) | ~~Principles of Ecology Laboratory~~ | ~~1~~ |
| [**~~BIOL 571~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20571) | ~~Conservation Biology~~ | ~~3~~ |
| [**~~BIOL 572~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20572) | ~~Freshwater Ecology~~ | ~~3~~ |
| [**~~BIOL 574~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20574) | ~~Marine Conservation Biology~~ | ~~3~~ |
| [**~~BIOL 640~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20640) | ~~Microbial Ecology~~ | ~~3~~ |
| [**~~BIOL 654~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20654) | ~~Speciation~~ | ~~3~~ |
| [**~~BIOL 671~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20671) | ~~Plant Responses to the Environment~~ | ~~3~~ |
| ~~Other BIOL courses may be selected as approved by student’s advisor~~ |  |
| [**~~CHEM 321~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20321) | ~~Quantitative Analysis~~ | ~~3~~ |
| [**~~CHEM 321L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20321L) | ~~Quantitative Analysis Laboratory~~ | ~~1~~ |
| [**~~CHEM 331L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20331L) | ~~Essentials of Organic Chemistry Laboratory I~~ | ~~1~~ |
| [**~~CHEM 332L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20332L) | ~~Essentials of Organic Chemistry Laboratory II~~ | ~~1~~ |
| [**~~CHEM 333~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333) | ~~Organic Chemistry I~~ | ~~3~~ |
| [**~~CHEM 333L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333L) | ~~Comprehensive Organic Chemistry Laboratory I~~ | ~~2~~ |
| [**~~CHEM 334~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334) | ~~Organic Chemistry II~~ | ~~3~~ |
| [**~~CHEM 334L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334L) | ~~Comprehensive Organic Chemistry Laboratory II~~ | ~~2~~ |
| [**~~CHEM 623~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20623) | ~~Introductory Environmental Chemistry~~ | ~~3~~ |
| [**~~CHEM 624~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20624) | ~~Aquatic Chemistry~~ | ~~3~~ |
| **~~From the Earth and Marine Sciences~~** |  |
| [**~~GEOL 302~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20302) | ~~Rocks and Minerals~~ | ~~4~~ |
| [**~~GEOL 305~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20305) | ~~Earth Systems through Time~~ | ~~4~~ |
| [**~~GEOL 315~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20315) | ~~Surface and Near Surface Processes~~ | ~~4~~ |
| [**~~GEOL 335~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20335) | ~~Processes of Global Environmental Change~~ | ~~4~~ |
| [**~~GEOL 371~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20371) | ~~A View of the River~~ | ~~3~~ |
| [**~~GEOG 516~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20516) | ~~Coastal Zone Management~~ | ~~3~~ |
| [**~~GEOL 524~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20524) | ~~Environmental Radioisotope Geochemistry~~ | ~~3~~ |
| [**~~GEOL 548~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20548) | ~~Environmental Geophysics~~ | ~~4~~ |
| [**~~GEOL 557~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20557) | ~~Coastal Processes~~ | ~~3~~ |
| [**~~GEOL 560~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20560) | ~~Earth Resource Management~~ | ~~3~~ |
| [**~~GEOL 570~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20570) | ~~Environmental Hydrogeology~~ | ~~3~~ |
| [**~~GEOL 571~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20571) | ~~Soil Hydrology~~ | ~~4~~ |
| [**~~GEOL 575~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20575) | ~~Numerical Modeling for Earth Science Applications~~ | ~~3~~ |
| [**~~GEOL 581~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20581) | ~~Estuarine Oceanography~~ | ~~3~~ |
| ~~Other GEOL courses may be selected as approved by student’s advisor~~ |  |
| [**~~MSCI 305~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20305) | ~~Ocean Data Analysis~~ | ~~3~~ |
| [**~~MSCI 311~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20311) | ~~Biology of Marine Organisms~~ | ~~4~~ |
| [**~~MSCI 313~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20313) | ~~The Chemistry of the Sea~~ | ~~4~~ |
| [**~~MSCI 450~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20450) | ~~Principles of Biological Oceanography~~ | ~~3~~ |
| [**~~MSCI 521~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20521) | ~~Introduction to Geochemistry~~ | ~~3~~ |
| [**~~MSCI 537~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20537) | ~~Aquaculture~~ | ~~3~~ |
| [**~~MSCI 552~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20552) | ~~Population Genetics~~ | ~~3~~ |
| [**~~MSCI 566~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20566) | ~~Ecosystem Analysis~~ | ~~3~~ |
| [**~~MSCI 575~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20575) | ~~Marine Ecology~~ | ~~3~~ |
| [**~~MSCI 579~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20579) | ~~Air-Sea Interaction~~ | ~~3~~ |
| [**~~MSCI 582~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20582) | ~~Marine Hydrodynamics~~ | ~~3~~ |
| **~~From Geography~~** |  |
| [**~~GEOG 202~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20202) | ~~Weather and Climate~~ | ~~4~~ |
| [**~~GEOG 343~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20343) | ~~Environment and Society~~ | ~~3~~ |
| [**~~GEOG 346~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20346) | ~~Climate and Society~~ | ~~3~~ |
| [**~~GEOG 347~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20347) | ~~Water as a Resource~~ | ~~3~~ |
| [**~~GEOG 348~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20348) | ~~Biogeography~~ | ~~3~~ |
| [**~~GEOG 349~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20349) | ~~Cartographic Animation~~ | ~~3~~ |
| [**~~GEOG 360~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20360) | ~~Geography of Wind~~ | ~~3~~ |
| [**~~GEOG 263~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20263) | ~~Geographic Information Systems~~ | ~~3~~ |
| [**~~GEOG 365~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20365) | ~~Hurricanes and Tropical Climatology~~ | ~~3~~ |
| [**~~GEOG 371~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20371) | ~~Air Pollution Fundamentals~~ | ~~3~~ |
| [**~~GEOG 530~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20530) | ~~Environmental Hazards~~ | ~~3~~ |
| [**~~GEOG 545~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20545) | ~~Weather Analysis and Forecasting~~ | ~~4~~ |
| [**~~GEOG 546~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20546) | ~~Applied Climatology~~ | ~~4~~ |
| [**~~GEOG 547~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20547) | ~~Fluvial Geomorphology~~ | ~~3~~ |
| [**~~GEOG 549~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20549) | ~~Water and Watersheds~~ | ~~3~~ |
| [**~~GEOG 551~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20551) | ~~Remote Sensing of the Environment~~ | ~~3~~ |
| [**~~GEOG 554~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20554) | ~~Spatial Programming~~ | ~~3~~ |
| [**~~GEOG 562~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20562) | ~~Satellite Mapping and the Global Positioning System~~ | ~~3~~ |
| [**~~GEOG 563~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20563) | ~~Advanced Geographic Information Systems~~ | ~~3~~ |
| [**~~GEOG 564~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20564) | ~~GIS-Based Modeling~~ | ~~3~~ |
| [**~~GEOG 567~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20567) | ~~Long-Term Environmental Change~~ | ~~3~~ |
| [**~~GEOG 568~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20568) | ~~Human Dimensions of Global Environmental Change~~ | ~~3~~ |
| [**~~GEOG 569~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20569) | ~~International Development and the Environment~~ | ~~3~~ |
| [**~~GEOG 570~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20570) | ~~Geography of Public Land and Water Policy~~ |  |
| [**~~GEOG 571~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20571) | ~~Microclimatology~~ | ~~4~~ |
| [**~~GEOG 573~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20573) | ~~Climatic Change and Variability~~ | ~~3~~ |
| ~~Other GEOG courses may be selected as approved by the student’s advisor~~ |  |
| **~~From Mathematics, Statistics, and Engineering~~** |  |
| [**~~CSCE 106~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | ~~Scientific Applications Programming~~ | ~~3~~ |
| [**~~CSCE 567~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20567) | ~~Visualization Tools~~ | ~~3~~ |
| [**~~ECHE 300~~**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20300) | ~~Chemical Process Principles~~ | ~~3~~ |
| [**~~ECHE 310~~**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20310) | ~~Introductory Chemical Engineering Thermodynamics~~ | ~~3~~ |
| [**~~ECHE 311~~**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20311) | ~~Chemical Engineering Thermodynamics~~ | ~~3~~ |
| [**~~ECHE 567~~**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20567) | ~~Process Safety, Health and Loss Prevention~~ | ~~3~~ |
| [**~~ECHE 573~~**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20573) | ~~Next Energy~~ | ~~3~~ |
| [**~~ECHE 589~~**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20589) | ~~Special Advanced Topics in Chemical Engineering~~ | ~~3~~ |
| [**~~ECIV 350~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20350) | ~~Introduction to Environmental Engineering~~ | ~~3~~ |
| [**~~ECIV 350L~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20350L) | ~~Introduction to Environmental Engineering Laboratory~~ | ~~1~~ |
| [**~~ECIV 362~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20362) | ~~Introduction to Water Resources Engineering~~ | ~~3~~ |
| [**~~ECIV 405~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20405) | ~~System Applications in Civil Engineering~~ | ~~3~~ |
| [**~~ECIV 551~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20551) | ~~Elements of Water and Wastewater Treatment~~ | ~~3~~ |
| [**~~ECIV 555~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20555) | ~~Principles of Municipal Solid Waste Engineering~~ | ~~3~~ |
| [**~~ECIV 556~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20556) | ~~Air Pollution Control Engineering~~ | ~~3~~ |
| [**~~ECIV 557~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20557) | ~~Sustainable Construction for Engineers~~ | ~~3~~ |
| [**~~ECIV 558~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20558) | ~~Environmental Engineering Process Modeling~~ | ~~3~~ |
| [**~~ECIV 560~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20560) | ~~Open Channel Hydraulics~~ | ~~3~~ |
| [**~~ECIV 562~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20562) | ~~Engineering Hydrology~~ | ~~3~~ |
| [**~~ECIV 563~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20563) | ~~Subsurface Hydrology~~ | ~~3~~ |
| [**~~ECIV 570~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20570) | ~~Land Development for Engineers~~ | ~~3~~ |
| [**~~EMCH 290~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20290) | ~~Thermodynamics~~ | ~~3~~ |
| [**~~EMCH 529~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20529) | ~~Sustainable Design and Development~~ | ~~3~~ |
| [**~~EMCH 553~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20553) | ~~Nuclear Fuel Cycles~~ | ~~3~~ |
| [**~~EMCH 592~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20592) | ~~Introduction to Combustion~~ | ~~3~~ |
| [**~~EMCH 594~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20594) | ~~Solar Heating~~ | ~~3~~ |
| [**~~EMCH 597~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20597) | ~~Thermal Environmental Engineering~~ | ~~3~~ |
| [**~~ENCP 290~~**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20290) | ~~Thermodynamic Fundamentals~~ | ~~3~~ |
| [**~~ENCP 540~~**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20540) | ~~Environmentally Conscious Manufacturing~~ | ~~3~~ |
| [**~~MATH 241~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241) | ~~Vector Calculus~~ | ~~3~~ |
| [**~~MATH 242~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20242) | ~~Elementary Differential Equations~~ | ~~3~~ |
| [**~~MATH 523~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20523) | ~~Mathematical Modeling of Population Biology~~ | ~~3~~ |
| [**~~STAT 516~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | ~~Statistical Methods II~~ | ~~3~~ |
| [**~~STAT 518~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20518) | ~~Nonparametric Statistical Methods~~ | ~~3~~ |
| [**~~STAT 520~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20520) | ~~Forecasting and Time Series~~ | ~~3~~ |
| [**~~STAT 528~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20528) | ~~Environmental Statistics~~ | ~~3~~ |
| [**~~STAT 540~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20540) | ~~Computing in Statistics~~ | ~~3~~ |
| **~~From the Health Sciences~~** |  |
| [**~~ENHS 321~~**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20321) | ~~Environmental Pollution and Health~~ | ~~3~~ |
| [**~~ENHS 660~~**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20660) | ~~Concepts of Environmental Health Science~~ | ~~3~~ |
| [**~~ENHS 665~~**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20665) | ~~Biofilms in Environmental Health and Disease~~ | ~~3~~ |
| [**~~ENHS 670~~**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20670) | ~~Environmental Pollutants and Human Health~~ | ~~3~~ |
| Course List |

**~~Research Methods Courses~~**

~~Not required, but if selected, only one of these three may be taken for credit towards the major.~~

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~CSCE 145~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | ~~Algorithmic Design I~~ | ~~4~~ |
| [**~~ECIV 111~~**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20111) | ~~Introduction to Engineering Graphics and Visualization~~ | ~~3~~ |
| [**~~EMCH 111~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20111) | ~~Introduction to Computer-Aided Design~~ | ~~3~~ |
| Course List | | |

1. **Geological Sciences, B.S.**

Updating Carolina Core Requirements

**1. Carolina Core Requirement (32-44 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* any [**CC-CMW courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**ARP – Analytical Reasoning and Problem Solving (6-8 hours)1 ~~hours)~~**

Students pursuing the General Geological Sciences Major with Geophysics Concentration must complete [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141) and [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142) for the ARP requirement.

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)\* **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)\*
* [**MATH 170**](https://uscbulletins-next.sc.edu/search/?P=MATH%20170)\* **or** [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)\* **or MATH 172\* or MATH 174 \***

**SCI – Scientific Literacy (8 hours)**

* [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111)\* & [**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)\*
* [**PHYS 201**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201)\* & [**PHYS 201L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201L)\* **or** [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211)\* & [**PHYS 211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)\*

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language (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. 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.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

*​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.*

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component2 ~~Component~~~~1~~ (0-3 hours)**

* any overlay or stand-alone [**CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy2 ~~Literacy~~~~1~~ (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility2 ~~Responsibility~~~~1~~ (0-3 hours)**

any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Additional** majors must include all major courses as well as any prescribed courses noted (\*) in the

bulletin.

**2 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer

students the option of meeting two Carolina Core components in a single course. A maximum of two

overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some

programs may have a higher number of minimum Carolina Core hours due to specified requirements.

1. **Mathematics, B.S.**

Updating Major Requirements

**4. Major Requirements (24 hours)**

*A minimum grade of C is required in all major courses.*

**Major Courses (9 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 544**](https://uscbulletins-next.sc.edu/search/?P=MATH%20544) | Linear Algebra | 3 |
| [**MATH 546**](https://uscbulletins-next.sc.edu/search/?P=MATH%20546) | Algebraic Structures I | 3 |
| [**MATH 554**](https://uscbulletins-next.sc.edu/search/?P=MATH%20554) | Analysis I | 3 |
| **Total Credit Hours** | | **9** |
| Course List | | |

**Major Electives (15 hours)**

At least **one** course from the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511) | Probability | 3 |
| [**MATH 520**](https://uscbulletins-next.sc.edu/search/?P=MATH%20520) | Ordinary Differential Equations | 3 |
| **MATH 528** | Mathematical Foundation of Data Science and Machine Learning | 3 |
| **MATH 529** | Introduction to Deep Neural Networks | 3 |
| [**MATH 534**](https://uscbulletins-next.sc.edu/search/?P=MATH%20534) | Elements of General Topology | 3 |
| [**MATH 550**](https://uscbulletins-next.sc.edu/search/?P=MATH%20550) | Vector Analysis | 3 |
| [**MATH 552**](https://uscbulletins-next.sc.edu/search/?P=MATH%20552) | Applied Complex Variables | 3 |
| **MATH 572** | Mathematical Foundation of Network Science | 3 |
| Course List | | |

At least 12 hours of MATH electives numbered 500-599. The choice of the four MATH electives should be made to support the student’s educational goals and career objectives. The courses listed below are available for MATH elective credit. (As [**MATH 544**](https://uscbulletins-next.sc.edu/search/?P=MATH%20544), [**MATH 546**](https://uscbulletins-next.sc.edu/search/?P=MATH%20546), and [**MATH 554**](https://uscbulletins-next.sc.edu/search/?P=MATH%20554) are required of all majors, these are not listed.) Undergraduate students interested in taking 700-level MATH courses as elective credit should consult the Graduate Bulletin.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Algebra** | |  |
| [**MATH 540**](https://uscbulletins-next.sc.edu/search/?P=MATH%20540) | Modern Applied Algebra | 3 |
| [**MATH 541**](https://uscbulletins-next.sc.edu/search/?P=MATH%20541) | Algebraic Coding Theory | 3 |
| [**MATH 547**](https://uscbulletins-next.sc.edu/search/?P=MATH%20547) | Algebraic Structures II | 3 |
| [**MATH 548**](https://uscbulletins-next.sc.edu/search/?P=MATH%20548) | Geometry, Algebra, and Algorithms | 3 |
| **Analysis** | |  |
| [**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511) | Probability | 3 |
| [**MATH 550**](https://uscbulletins-next.sc.edu/search/?P=MATH%20550) | Vector Analysis | 3 |
| [**MATH 551**](https://uscbulletins-next.sc.edu/search/?P=MATH%20551) | Introduction to Differential Geometry | 3 |
| [**MATH 552**](https://uscbulletins-next.sc.edu/search/?P=MATH%20552) | Applied Complex Variables | 3 |
| [**MATH 555**](https://uscbulletins-next.sc.edu/search/?P=MATH%20555) | Analysis II | 3 |
| **Differential Equations and Modeling** | |  |
| [**MATH 520**](https://uscbulletins-next.sc.edu/search/?P=MATH%20520) | Ordinary Differential Equations | 3 |
| [**MATH 521**](https://uscbulletins-next.sc.edu/search/?P=MATH%20521) | Boundary Value Problems and Partial Differential Equations | 3 |
| [**MATH 522**](https://uscbulletins-next.sc.edu/search/?P=MATH%20522) | Wavelets | 3 |
| [**MATH 523**](https://uscbulletins-next.sc.edu/search/?P=MATH%20523) | Mathematical Modeling of Population Biology | 3 |
| **Discrete Mathematics** | |  |
| [**MATH 541**](https://uscbulletins-next.sc.edu/search/?P=MATH%20541) | Algebraic Coding Theory | 3 |
| [**MATH 570**](https://uscbulletins-next.sc.edu/search/?P=MATH%20570) | Discrete Optimization | 3 |
| [**MATH 574**](https://uscbulletins-next.sc.edu/search/?P=MATH%20574) | Discrete Mathematics I | 3 |
| [**MATH 575**](https://uscbulletins-next.sc.edu/search/?P=MATH%20575) | Discrete Mathematics II | 3 |
| [**MATH 576**](https://uscbulletins-next.sc.edu/search/?P=MATH%20576) | Combinatorial Game Theory | 3 |
| [**MATH 587**](https://uscbulletins-next.sc.edu/search/?P=MATH%20587) | Introduction to Cryptography | 3 |
| **Financial Mathematics and Probability** | |  |
| [**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511) | Probability | 3 |
| [**MATH 514**](https://uscbulletins-next.sc.edu/search/?P=MATH%20514) | Financial Mathematics I | 3 |
| [**MATH 515**](https://uscbulletins-next.sc.edu/search/?P=MATH%20515) | Financial Mathematics II | 3 |
| [**MATH 525**](https://uscbulletins-next.sc.edu/search/?P=MATH%20525) | Mathematical Game Theory | 3 |
| **Geometry** | |  |
| [**MATH 531**](https://uscbulletins-next.sc.edu/search/?P=MATH%20531) | Foundations of Geometry | 3 |
| [**MATH 532**](https://uscbulletins-next.sc.edu/search/?P=MATH%20532) | Modern Geometry | 3 |
| [**MATH 533**](https://uscbulletins-next.sc.edu/search/?P=MATH%20533) | Elementary Geometric Topology | 3 |
| [**MATH 534**](https://uscbulletins-next.sc.edu/search/?P=MATH%20534) | Elements of General Topology | 3 |
| [**MATH 551**](https://uscbulletins-next.sc.edu/search/?P=MATH%20551) | Introduction to Differential Geometry | 3 |
| **Mathematic Logic** | |  |
| [**MATH 561**](https://uscbulletins-next.sc.edu/search/?P=MATH%20561) | Introduction to Mathematical Logic | 3 |
| [**MATH 562**](https://uscbulletins-next.sc.edu/search/?P=MATH%20562) | Theory of Computation | 3 |
| **Number Theory** | |  |
| [**MATH 580**](https://uscbulletins-next.sc.edu/search/?P=MATH%20580) | Elementary Number Theory | 3 |
| [**MATH 587**](https://uscbulletins-next.sc.edu/search/?P=MATH%20587) | Introduction to Cryptography | 3 |
| **Optimization and Computation** | |  |
| [**MATH 524**](https://uscbulletins-next.sc.edu/search/?P=MATH%20524) | Nonlinear Optimization | 3 |
| [**MATH 527**](https://uscbulletins-next.sc.edu/search/?P=MATH%20527) | Numerical Analysis | 3 |
| [**MATH 570**](https://uscbulletins-next.sc.edu/search/?P=MATH%20570) | Discrete Optimization | 3 |
| **Special Topics** | |  |
| [**MATH 599**](https://uscbulletins-next.sc.edu/search/?P=MATH%20599) | Topics in Mathematics | 1-3 |
| Course List | | |

**Guidelines for Selecting 500-level MATH Electives**

**For Students Considering Graduate Studies in Mathematics**

Complete at least one of the two-semester sequences in algebra or analysis:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 546**](https://uscbulletins-next.sc.edu/search/?P=MATH%20546) & [**547**](https://uscbulletins-next.sc.edu/search/?P=MATH%20547) | Algebraic Structures I and Algebraic Structures II | 6 |
| [**MATH 554**](https://uscbulletins-next.sc.edu/search/?P=MATH%20554) & [**555**](https://uscbulletins-next.sc.edu/search/?P=MATH%20555) | Analysis I and Analysis II | 6 |
| Course List | | |

Note: Completing both two-semester sequences provides the strongest foundation for graduate study in mathematics. Students completing this combination of courses are well on their way towards completing the B.S. with Distinction in Mathematics.

**For Students Considering Careers Teaching at the Secondary Level (Grades 9-12)**

Complete the following sequence of courses:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 531**](https://uscbulletins-next.sc.edu/search/?P=MATH%20531) | Foundations of Geometry | 3 |
| or [**MATH 532**](https://uscbulletins-next.sc.edu/search/?P=MATH%20532) | Modern Geometry | |
| [**MATH 574**](https://uscbulletins-next.sc.edu/search/?P=MATH%20574) | Discrete Mathematics I | 3 |
| [**MATH 580**](https://uscbulletins-next.sc.edu/search/?P=MATH%20580) | Elementary Number Theory | 3 |
| **As a cognate:** | |  |
| [**EDFI 300**](https://uscbulletins-next.sc.edu/search/?P=EDFI%20300) | Schools in Communities | 3 |
| [**EDPY 401**](https://uscbulletins-next.sc.edu/search/?P=EDPY%20401) | Learners and the Diversity of Learning | 3 |
| [**EDSE 500**](https://uscbulletins-next.sc.edu/search/?P=EDSE%20500) | Equity and Community Engagement | 3 |
| [**EDSE 502**](https://uscbulletins-next.sc.edu/search/?P=EDSE%20502) | Teachers and Teaching | 3 |
| **Total Credit Hours** | | **21** |
| Course List | | |

Note: With two additional Education courses, students complete a minor in Education. This selection of MATH electives and of the education cognate positions students to complete, after completing a B.S. in Mathematics, a one-year graduate Master of Teaching degree from the College of Education and apply for grades 9-12 mathematics licensure in South Carolina.

**For Students Considering Careers in Actuarial Science**

Declare a [**Risk Management and Insurance Minor**](https://uscbulletins-next.sc.edu/undergraduate/business/risk-management-insurance-minor/) and complete their MATH electives from the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511) | Probability | 3 |
| [**MATH 520**](https://uscbulletins-next.sc.edu/search/?P=MATH%20520) | Ordinary Differential Equations | 3 |
| [**MATH 574**](https://uscbulletins-next.sc.edu/search/?P=MATH%20574) | Discrete Mathematics I | 3 |
| [**MATH 524**](https://uscbulletins-next.sc.edu/search/?P=MATH%20524) | Nonlinear Optimization | 3 |
| or [**MATH 570**](https://uscbulletins-next.sc.edu/search/?P=MATH%20570) | Discrete Optimization | |
| **Total Credit Hours** | | **12** |
| Course List | | |

Note: [**Risk Management and Insurance Minor**](https://uscbulletins-next.sc.edu/undergraduate/business/risk-management-insurance-minor/) is completed by taking [**ACCT 225**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20225), [**ECON 221**](https://uscbulletins-next.sc.edu/search/?P=ECON%20221) and [**ECON 222**](https://uscbulletins-next.sc.edu/search/?P=ECON%20222), and [**FINA 363**](https://uscbulletins-next.sc.edu/search/?P=FINA%20363), [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469), [**FINA 471**](https://uscbulletins-next.sc.edu/search/?P=FINA%20471), and [**FINA 475**](https://uscbulletins-next.sc.edu/search/?P=FINA%20475).

To develop a strong basis for success in the initial actuarial examinations (Exam P and Exam FM), and to qualify for the Society of Actuaries’ Validation through Educational Experience (VEE) in Applied Statistics, Economics, and Corporate Finance, students should complete the following collection of 30 semester hours in the Department of Statistics and the Darla Moore School of Business. For detailed information about the VEE program, see [**http://soa.org**](http://soa.org/).

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Mathematical Statistics and Statistical Models** | |  |
| [**STAT 512**](https://uscbulletins-next.sc.edu/search/?P=STAT%20512) | Mathematical Statistics | 3 |
| [**STAT 513**](https://uscbulletins-next.sc.edu/search/?P=STAT%20513) | Theory of Statistical Inference | 3 |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics | 3 |
| **Economics and Corporate Finance** | |  |
| [**ACCT 225**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20225) | Introduction to Financial Accounting | 3 |
| [**ECON 221**](https://uscbulletins-next.sc.edu/search/?P=ECON%20221) | Principles of Microeconomics | 3 |
| [**ECON 222**](https://uscbulletins-next.sc.edu/search/?P=ECON%20222) | Principles of Macroeconomics | 3 |
| [**FINA 363**](https://uscbulletins-next.sc.edu/search/?P=FINA%20363) | Introduction to Finance | 3 |
| **Risk Management and Insurance** | |  |
| [**FINA 341**](https://uscbulletins-next.sc.edu/search/?P=FINA%20341) | Management of Risk and Insurance | 3 |
| **Finance and Stochastic Processes** | |  |
| Select 3-6 hours of the following: | | 3-6 |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 471**](https://uscbulletins-next.sc.edu/search/?P=FINA%20471) | Derivative Securities |  |
| [**FINA 475**](https://uscbulletins-next.sc.edu/search/?P=FINA%20475) | Fixed Income Securities |  |
| [**STAT 521**](https://uscbulletins-next.sc.edu/search/?P=STAT%20521) | Applied Stochastic Processes |  |
| **Computing** | |  |
| Select three hours of the following: | | 3 |
| [**CSCE 146**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20146) | Algorithmic Design II |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**STAT 540**](https://uscbulletins-next.sc.edu/search/?P=STAT%20540) | Computing in Statistics |  |
| **Total Credit Hours** | | **30-33** |
| Course List | | |

**For Students Considering Careers in Applied Mathematics or Mathematical Careers in the Public or Private Sector**

Complete [**MATH 520**](https://uscbulletins-next.sc.edu/search/?P=MATH%20520) and other courses in Differential Equations and Modeling, in Discrete Mathematics, in Financial Mathematics, and in Optimization and Computation, including 9 credit hours from two of the following categories:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Differential Equations and Modeling** | |  |
| [**MATH 521**](https://uscbulletins-next.sc.edu/search/?P=MATH%20521) | Boundary Value Problems and Partial Differential Equations | 3 |
| [**MATH 522**](https://uscbulletins-next.sc.edu/search/?P=MATH%20522) | Wavelets | 3 |
| [**MATH 523**](https://uscbulletins-next.sc.edu/search/?P=MATH%20523) | Mathematical Modeling of Population Biology | 3 |
| **Discrete Mathematics** | |  |
| [**MATH 541**](https://uscbulletins-next.sc.edu/search/?P=MATH%20541) | Algebraic Coding Theory | 3 |
| [**MATH 548**](https://uscbulletins-next.sc.edu/search/?P=MATH%20548) | Geometry, Algebra, and Algorithms | 3 |
| [**MATH 570**](https://uscbulletins-next.sc.edu/search/?P=MATH%20570) | Discrete Optimization | 3 |
| [**MATH 574**](https://uscbulletins-next.sc.edu/search/?P=MATH%20574) | Discrete Mathematics I | 3 |
| [**MATH 575**](https://uscbulletins-next.sc.edu/search/?P=MATH%20575) | Discrete Mathematics II | 3 |
| [**MATH 576**](https://uscbulletins-next.sc.edu/search/?P=MATH%20576) | Combinatorial Game Theory | 3 |
| [**MATH 587**](https://uscbulletins-next.sc.edu/search/?P=MATH%20587) | Introduction to Cryptography | 3 |
| **Financial Mathematics and Probability** | |  |
| [**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511) | Probability | 3 |
| [**MATH 514**](https://uscbulletins-next.sc.edu/search/?P=MATH%20514) | Financial Mathematics I | 3 |
| [**MATH 515**](https://uscbulletins-next.sc.edu/search/?P=MATH%20515) | Financial Mathematics II | 3 |
| **Optimization and Computation** | |  |
| [**MATH 524**](https://uscbulletins-next.sc.edu/search/?P=MATH%20524) | Nonlinear Optimization | 3 |
| [**MATH 527**](https://uscbulletins-next.sc.edu/search/?P=MATH%20527) | Numerical Analysis | 3 |
| [**MATH 570**](https://uscbulletins-next.sc.edu/search/?P=MATH%20570) | Discrete Optimization | 3 |
| **Analysis** | |  |
| [**MATH 550**](https://uscbulletins-next.sc.edu/search/?P=MATH%20550) | Vector Analysis | 3 |
| [**MATH 552**](https://uscbulletins-next.sc.edu/search/?P=MATH%20552) | Applied Complex Variables | 3 |
| [**MATH 555**](https://uscbulletins-next.sc.edu/search/?P=MATH%20555) | Analysis II | 3 |
| **Mathematical Foundation for Data Science** | |  |
| **MATH 528** | Mathematical Foundation of Data Science and Machine Learning | 3 |
| **MATH 529** | Introduction to Deep Neural Networks | 3 |
| **MATH 572** | Mathematical Foundation of Network Science | 3 |
| Course List | | |

1. **Neuroscience, B.S.**

Updating Overview/ Introduction

**Overview**

The Bachelor of Science in Neuroscience degree brings together multiple scientific disciplines focusing on the nervous system. This interdisciplinary program offers students a solid foundation in science alongside specialization within a specific concentration area and extensive opportunities for hands-on research experience. The degree is ideal for students who intend to pursue graduate studies in neuroscience, animal behavior, psychology or medicine.

In particular, the B.S. in Neuroscience is designed to provide students with the necessary background for entry into graduate programs in neuroscience as well as facilitate completion of pre-med requirements for entry into medical school. Majors can also apply to the B.S. with Distinction in Neuroscience to complete additional research culminating in a senior thesis.

**Learning Outcomes**

1. Students will demonstrate a solid base of knowledge in the core areas of neuroscience, including both the cellular/molecular level and the cognitive/behavioral level.
2. Students will demonstrate a clear grasp of the core concepts within the major concentration they have selected
3. Students will demonstrate the ability to use scientific methodology in the critical evaluation of information, including identifying assumptions, creating and evaluating hypotheses, designing relevant experiments, and evaluating the results of analyses and experiments
4. Students will demonstrate the ability to analyze, synthesize, and evaluate scientific literature and communicate effectively, orally and in writing, about neuroscience concepts and principles.
5. Students will demonstrate preparedness for relevant careers or entry into graduate or professional programs

**Progression Requirement**

Neuroscience majors may only enroll in any neuroscience major course a maximum of two times to earn the required grade of C or higher. For the purposes of this standard of progression, withdrawal with a W does not constitute enrollment. Withdrawal with a WF will count as an attempt.

Updating Carolina Core

**Carolina Core (32-46 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*Must be passed with a grade of****C****or higher.*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)\*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)\*

**ARP – Analytical Reasoning and Problem Solving (6-8 hours)**

* [**MATH 122**](https://academicbulletins.sc.edu/search/?P=MATH%20122)\***or** [**MATH 141**](https://academicbulletins.sc.edu/search/?P=MATH%20141)\*
* [**MATH 142**](https://academicbulletins.sc.edu/search/?P=MATH%20142)\* **or**[**MATH 170**](https://academicbulletins.sc.edu/search/?P=MATH%20170)\* **or** [**MATH 172**](https://academicbulletins.sc.edu/search/?P=MATH%20172)\* **or MATH 174**\*

**SCI – Scientific Literacy (8 hours)**

* [**BIOL 101**](https://academicbulletins.sc.edu/search/?P=BIOL%20101)\* & [**BIOL 101L**](https://academicbulletins.sc.edu/search/?P=BIOL%20101L)\*
* [**BIOL 102**](https://academicbulletins.sc.edu/search/?P=BIOL%20102)\* & [**BIOL 102L**](https://academicbulletins.sc.edu/search/?P=BIOL%20102L)\*

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (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. 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.

* [**CC-GFL courses**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

​*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.*

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* [**PSYC 101**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20101)\*

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (3 hours)**

* any overlay or stand-alone [**CC-CMS course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility (3 hours)**

* any overlay or stand-alone [**CC-VSR course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)
  + [**PHIL 321**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20321)\* (recommended for Pre-Med)

Updating Program Requirements

**Program Requirements (20-37 hours)**

**Supporting Courses (19 hours)**

*Must be passed with a grade of C or higher*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**PSYC 405**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20405) | Cognitive Psychology | 3 |
| [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) & [**111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L) | General Chemistry I and General Chemistry I Lab | 4 |
| [**CHEM 112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) & [**112L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L) | General Chemistry II and General Chemistry II Lab | 4 |
| [**CHEM 333**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333) & [**331L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20331L) | Organic Chemistry I and Essentials of Organic Chemistry Laboratory I | 4 |
| [**BIOL 302**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20302) & [**302L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20302L) | Cell and Molecular Biology and Cell and Molecular Biology Laboratory | 4 |
| Course List | | |

Note: Supporting courses are prerequisites for Major Requirements. Eight hours may also be used to fulfill the requirements for a Minor, Cognate or second Major.

**Electives (0-18 hours)**

120 (or 128) degree applicable credits are required to complete any degree at **USC**. ~~UofSC.~~ After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. 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.

Note: [**CHEM 334**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334)/[**CHEM 332L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20332L), [**PHYS 201**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201), and [**PHYS 202**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20202) are recommended electives for Pre-Med.

Updating Major Requirements

**Major Requirements (36 hours)**

*A minimum grade of C is required in all major courses*

**Major Courses (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**NSCI 300**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20300) | Introduction to Neuroscience | 3 |
| [**BIOL 405**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20405) | Cellular and Molecular Neurobiology | 3 |
| [**PSYC 507**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20507) | Cognitive Neuroscience | 3 |
| Required Neuroscience Research 1 | | 3 |
| [**NSCI 498**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20498) | Individual Research in Neuroscience (or other equivalent independent study course ) |  |
| Lab Courses: | |  |
| [**NSCI 570**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20570) | Neuroscience Laboratory |  |
| Other lab-based courses may be approved by the Neuroscience Program Director if they have a significant neuroscience component. | |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**1** Training in the methods of scientific inquiry and the dissemination of research in neuroscience. Can be

fulfilled with independent research undertaken with a faculty mentor or lab-based coursework. Must

be approved by the Neuroscience Program Director.

**Major Electives (12 hours)**

*Students must complete a minimum of 12 hours of elective coursework. Electives should be selected in conjunction with the neuroscience advisor to target each student’s interests and career goals and complement their concentration coursework.*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**BIOL 303**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20303) | Fundamental Genetics | 3 |
| [**BIOL 460**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20460) | Advanced Human Physiology | 3 |
| [**BIOL 461**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20461) | Advanced Human Anatomy | 3 |
| [**BIOL 505**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20505) | Developmental Biology | 3 |
| [**BIOL 530**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20530) | Histology | 4 |
| [**BIOL 534**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20534) | Animal Behavior | 3 |
| [**BIOL 541**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541) | Biochemistry | 3 |
| [**BIOL 541L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541L) | Biochemistry Laboratory 1 | 1 |
| [**BIOL 543**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20543) | Comparative Physiology | 3 |
| [**BIOL 553**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20553) | Genomics | 3 |
| [**BIOL 612**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20612) | Virology - Classical and Emerging Concepts | 3 |
| [**BIOL 614**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20614) | Stem Cell Biology | 3 |
| [**BIOL 620**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20620) | Immunobiology | 3 |
| **BIOL 633** | Biology of Human Neurodevelopmental Disorders | 3 |
| [**BIOL 634**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20634) | Biology of Neurological Diseases | 3 |
| [**BIOL 635**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20635) | Neurophysiology | 4 |
| [**BIOL 665**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20665) | Human Molecular Genetics | 3 |
| [**BIOL 667**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20667) | Molecular and Genetic Mechanisms of Disease Pathogenesis | 3 |
| [**BMEN 321**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20321) | Biomonitoring and Electrophysiology | 3 |
| [**~~COMD 501~~**](https://uscbulletins-next.sc.edu/search/?P=COMD%20501) | ~~Anatomy and Physiology of Speech and Hearing Mechanisms~~ | ~~3~~ |
| **CSCE 556** | Data Analysis in Python: Application to Neuroscience | 3 |
| [**EXSC 303**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20303) | Perceptual-Motor Development | 3 |
| [**EXSC 351**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20351) | Acquisition of Motor Skills | 3 |
| **EXSC 562** | Impairments of the Human Motor System | 3 |
| **EXSC 610** | Neuroscience of Human Performance | 3 |
| **EXSC 641** | Neuromuscular Basis of Functional Strength Training | 3 |
| [**NSCI 560**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20560) | Advanced Topics in Neuroscience | 3 |
| [**NSCI 570**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20570) | Neuroscience Laboratory 2 | 3 |
| [**PHIL 351**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20351) | Mind and Nature | 3 |
| **PSYC 370** | Psychology of Consciousness | 3 |
| [**PSYC 400**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20400) | Survey of Learning and Memory | 3 |
| [**~~PSYC 405~~**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20405) | ~~Cognitive Psychology~~ | ~~3~~ |
| [**PSYC 450**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20450) | Sensation and Perception | 3 |
| [**PSYC 503**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20503) | Psychology of Drug Use and Effects | 3 |
| [**PSYC 550**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20550) | Advanced Sensation and Perception | 3 |
| [**PSYC 571**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20571) | Cognitive Neuroscience Laboratory | 3 |
| [**PSYC 572**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20572) | Cognitive Psychology Laboratory | 3 |
| Individual Research 3 | |  |
| **Depending on the topic, special topics courses/seminars and internships may be applied as core courses towards concentrations or as major electives with permission of the Neuroscience program director.** | |  |
| [**BIOL 599**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20599) | Topics in Biology |  |
| [**NSCI 560**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20560) | Advanced Topics in Neuroscience |  |
| [**PSYC 589**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20589) | Selected Topics in Psychology |  |
| [**COLA 390**](https://uscbulletins-next.sc.edu/search/?P=COLA%20390) | Internship: Community Engagement |  |
| or [**COLA 391**](https://uscbulletins-next.sc.edu/search/?P=COLA%20391) | Internship: Global Community Engagement | |
| Course List | | |

**1** Students intending to take [**BIOL 541**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541) as part of their major requirements should also

take [**CHEM 334**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334)/[**CHEM 332L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20332L) as part of their program requirements, either as an elective or as part of

their cognate/minor

**2** Students who complete Individual Research to complete the Required Neuroscience Research may

take [**NSCI 570**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20570) as an elective

**3** A maximum of 6 hours of Independent Study / Individual Research can be applied as major

credit.  Students admitted to the BS with Distinction in Neuroscience may apply an additional 3 hours

of independent research toward their major requirements, up to a maximum of 9 hours.

**Concentrations (12 hours)**

Students must choose one of the following three concentrations. Concentrations consist of a minimum of 12 hours of core courses in a targeted area of study. Core courses should be selected in conjunction with the neuroscience advisor to target each student’s interests and career goals.

**I. Cellular and Molecular Neuroscience Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Students must take a minimum of 12 hours selected from the following: | |  |
| [**BIOL 303**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20303) | Fundamental Genetics | 3 |
| [**BIOL 530**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20530) | Histology | 4 |
| [**BIOL 541**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541) | Biochemistry | 3 |
| [**BIOL 541L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541L) | Biochemistry Laboratory 1 | 1 |
| [**BIOL 553**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20553) | Genomics | 3 |
| [**BIOL 614**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20614) | Stem Cell Biology | 3 |
| [**BIOL 620**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20620) | Immunobiology | 3 |
| **BIOL 633** | Biology of Human Neurodevelopmental Disorders | 3 |
| [**BIOL 634**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20634) | Biology of Neurological Diseases | 3 |
| [**BIOL 635**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20635) | Neurophysiology | 4 |
| [**BIOL 665**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20665) | Human Molecular Genetics | 3 |
| [**BIOL 667**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20667) | Molecular and Genetic Mechanisms of Disease Pathogenesis | 3 |
| [**BMEN 321**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20321) | Biomonitoring and Electrophysiology | 3 |
| **ELCT 391** | Biometric Measurements in Healthcare and Wearables | 3 |
| Course List | | |

**1** Students intending to take [**BIOL 541**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541) as part of their major requirements should also

take [**CHEM 334**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334)/[**CHEM 332L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20332L) as part of their program requirements, either as an elective or as part of a

cognate/minor.

Note: Students may take additional courses from the Cellular and Molecular Neuroscience core courses to fulfill the major electives.

**II. Cognitive and Behavioral Neuroscience Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Students must take a minimum of 3 hours from List A and 3 hours from List B, with additional courses selected from either list to meet the minimum of 12 hours. | |  |
| **List A (minimum 3 hours)** | |  |
| [**BIOL 460**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20460) | Advanced Human Physiology | 3 |
| [**BIOL 534**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20534) | Animal Behavior | 3 |
| [**BIOL 543**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20543) | Comparative Physiology | 3 |
| [**~~COMD 501~~**](https://uscbulletins-next.sc.edu/search/?P=COMD%20501) | ~~Anatomy and Physiology of Speech and Hearing Mechanisms~~ | ~~3~~ |
| [**EXSC 351**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20351) | Acquisition of Motor Skills | 3 |
| **EXSC 562** | Impairments of the Human Motor System | 3 |
| **EXSC 610** | Neuroscience of Human Performance | 3 |
| **EXSC 641** | Neuromuscular Basis of Functional Strength Training | 3 |
| **List B (minimum 3 hours)** | |  |
| [**PSYC 400**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20400) | Survey of Learning and Memory | 3 |
| [**PSYC 450**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20450) | Sensation and Perception | 3 |
| [**PSYC 503**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20503) | Psychology of Drug Use and Effects | 3 |
| [**PSYC 550**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20550) | Advanced Sensation and Perception | 3 |
| [**PSYC 571**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20571) | Cognitive Neuroscience Laboratory | 3 |
| [**PSYC 572**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20572) | Cognitive Psychology Laboratory | 3 |
| Course List | | |

Note: Students may take additional courses from the Cognitive and Behavioral Neuroscience core courses List A or B to fulfill the major electives.

**III. Neurodevelopment and Neurodevelopmental Disorders Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Required: | |  |
| [**BIOL 505**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20505) | Developmental Biology | 3 |
| [**PSYC 420**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20420) | Survey of Developmental Psychology | 3 |
| Select 6 hours from the following: | | 6 |
| **BIOL 505** | Developmental Biology |  |
| **BIOL 633** | Biology of Human Neurodevelopmental Disorders |  |
| [**BIOL 614**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20614) | Stem Cell Biology |  |
| [**BIOL 634**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20634) | Biology of Neurological Diseases |  |
| [**PSYC 510**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20510) | Child Behavioral and Mental Disorders |  |
| [**PSYC 520**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20520) | Psychology of Child Development |  |
| [**PSYC 521**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20521) | Psychology of Adolescence |  |
| **PSYC 528** | Psychology of Neurodevelopmental Disorders |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**BS with Distinction in Neuroscience (45 hours)**

**~~BS WITH DISTINCTION IN NEUROSCIENCE (45 HOURS)~~**

Available to students majoring in Neuroscience who wish to participate in significant research activities in their major field under the supervision of a faculty mentor.

**Prerequisite**

A minimum GPA of 3.50 in the major, and 3.50 cumulative, is required to apply for a BS with Distinction in Neuroscience.

**Requirements**

* Students must submit a written application for the BS with Distinction in Neuroscience at least eight months before completion of the degree.
* Written sponsorship agreement from a faculty mentor affiliated with the Neuroscience program.
* An established thesis committee consisting of a primary mentor who must be a tenure-track or professional-track faculty member affiliated with the Neuroscience Program and a secondary mentor who is a USC faculty or staff member with a doctoral degree (e.g., tenure-track faculty, professional-track faculty, post-doctoral researchers).
* ~~An established thesis committee consisting of a tenure-track faculty member affiliated with the Neuroscience Program and at least one other tenure-track or research faculty member at the University of South Carolina.~~
* A written thesis demonstrating significant original work and approved by the thesis committee. The student may use their senior thesis to simultaneously fulfill other requirements as well (e.g., Honors College Thesis), at the discretion of the thesis advisor.
* A public presentation of the Senior Thesis research.
* Successful fulfillment of all requirements below with a minimum GPA of 3.50 in the major and 3.50 cumulative.
* Completion of all major requirements, plus 9 additional credit hours including:
  + A minimum of three credit hours of independent research (in addition to any hours taken as part of the major requirements)
  + A minimum of three upper-level credits from the list of approved neuroscience electives (can include additional credits of independent research)
  + [**NSCI 499**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20499) (3 hours) or [**SCHC 499**](https://uscbulletins-next.sc.edu/search/?P=SCHC%20499) (3 hours)

Note: South Carolina Honors College students satisfying the above requirements will graduate with “Honors from the South Carolina Honors College” and with “Distinction in Neuroscience.”

1. **Philosophy, B.A.**

Updating Overview/ Introduction

Every field and career path needs people who can think logically and communicate effectively.

Students majoring in philosophy learn how to examine complex problems, analyze internal logic,

question assumptions, understand other points of view, and find unique and creative solutions.

Graduates with these skills are sought after in fields like law, medicine and business, as well as

the arts, humanities, history and social sciences.

Our department offers the Bachelor of Arts degree in philosophy with an optional

undergraduate research track leading to a Bachelor of Arts with Distinction and an optional

major concentration in Law, ~~Society,~~ Ethics, and Society. ~~Law.~~ Students in the major may also

pursue the Bachelor of Arts degree with Leadership Distinction, which offers several paths for

engagement beyond the classroom, such as advocacy, professional and civic engagement,

internships and research opportunities.

Philosophy majors, on average, outperform other majors on the GRE, LSAT and GMAT, making it

a great primary or secondary major for those pursuing a graduate or professional degree.

Philosophy majors also lead the way in the pursuit of advanced degrees such as medical school,

law school and business school as well as Ph.D. and master's degrees.

Updating Program Requirements

**Major Concentration in Law, ~~Society,~~ Ethics, and Society ~~Law~~ (24 hours) *optional***

Students may choose to complete a concentration in Law, ~~Society,~~ Ethics, and Society ~~Law~~ instead of the general Philosophy major requirements.

Updating Carolina Core Integrative Course(s) for the Program

**PHIL 490**

~~n/a~~

1. **Religious Studies, B.A.**

Updating Major Requirements

**4. Major Requirements (24 hours)**

*A minimum grade of C is required in all major courses.*

**Major Courses (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**RELG 390**](https://uscbulletins-next.sc.edu/search/?P=RELG%20390) | Theories of Religion | 3 |
| [**RELG 488**](https://uscbulletins-next.sc.edu/search/?P=RELG%20488) | Perspective in Religious Studies | 3 |
| **Total Credit Hours** | | **6** |
| Course List | | |

**Major Electives (18 hours)**

The major in Religious Studies requires 18 elective credit hours be completed in Religious Studies courses. Students may ~~not~~ apply up to 9 ~~more than 3~~ credit hours from the 100-level and 200-level, not to exceed 3 ~~more than 6~~ credit hours at ~~from~~ the 100-level. ~~200-level.~~

1. **Religious Studies Minor**

Updating Minor Requirements

**Minor Requirements (18 Hours)**

The Department of Religious Studies offers a flexible minor that requires 18 credit hours in Religious Studies courses.

Students may ~~not~~ apply up to 9 ~~more than 3~~ credit hours from the 100-level and 200-level, not to exceed 3 ~~more than 6~~ credit hours at ~~from~~ the 100-level. ~~200-level.~~

1. **Sociology, B.S.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (32-44 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* any [**CC-CMW courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**ARP – Analytical Reasoning and Problem Solving (6-8 hours)**

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)\* **or** [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)\*
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)\* **or** [**MATH 170**](https://uscbulletins-next.sc.edu/search/?P=MATH%20170)\* **or** [**MATH 172**](https://uscbulletins-next.sc.edu/search/?P=MATH%20172) \* or MATH 174\*

1. **Sociology Minor**

Updating Minor Requirements

**Minor Requirements (18 Hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Required Courses** | |  |
| [**SOCY 101**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20101) | Introductory Sociology | 3 |
| [**~~SOCY 392~~**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20392) | ~~Elementary Statistics for Sociologists~~ | ~~3~~ |
| **Electives** | |  |
| Select one 500-level SOCY course | | 3 |
| Select three 300-level SOCY courses | | 9 |
| **Select one additional 300 or 500 level SOCY course** | | 3 |
| **Total Credit Hours** | | **18** |
| Course List | | |

1. **Statistics, B.S.**

**Updating College Requirements**

**2. College Requirements (15-19 hours)**

**Foreign Language (0-3 hours)**

* only if needed to meet 122-level proficiency

**Analytical Reasoning (6-7 hours)**

*must be passed with a grade of C or higher*

* **MATH 241\***
* [**~~MATH 344~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344)~~\*~~**~~or~~**[**~~MATH 544~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20544)~~\*~~
* [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145)\* **or**[**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106)**\***

**Updating Program Requirements**

**3. Program Requirements (28-44 hours)**

**Supporting Courses (0-3 ~~(3~~ hours)**

*must be passed with a grade of C or higher*

Supporting courses may be used to satisfy the requirements of a Minor or the Major Requirements of an additional major, in which case the hours are counted as part of that Minor or additional major.

* **MATH 344\* or MATH 544\***
* [**~~MATH 241~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241)~~\*~~

**~~Cognate or Minor (12-18 hours)~~**

~~Students must complete a cognate (12 hours) or a minor as part of this program.  In lieu of a cognate or minor, an additional major may be added to a student’s program of study.~~**~~Additional majors must include all major courses as well as any prescribed courses noted (\*) in the bulletin.~~**~~Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.~~

**~~Cognate (12 hours)~~**

~~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.~~

~~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~~**](https://uscbulletins-next.sc.edu/undergraduate/arts-sciences/courses-acceptable-cognate/)~~. 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. Students are urged to consult their major advisors for specific requirements in their major.~~

~~Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.~~

**Minor (0-18 ~~(18~~ hours) *optional***

This major does not require a cognate or minor.

~~In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.~~

~~The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.~~

An optional minor may be added to a student’s program of study. A 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 higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at **Programs A-Z**.

An optional additional major may also be added to a student’s program of study. **Additional majors must include all major courses as well as any prescribed courses noted (\*) in the bulletin.**Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

~~A list of minor programs of study can be found at~~[**~~Programs A-Z~~**](https://uscbulletins-next.sc.edu/undergraduate/programs-az/)~~.~~

**Electives (7-41 ~~(7-29~~ hours)**

120 (or 128) degree applicable credits are required to complete any degree at USC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. 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.

Updating Major Requirements

**4. Major Requirements (27 hours)**

*a minimum grade of C is required in all major courses*

**Major Courses (15 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Theory** | |  |
| [**STAT 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) | Probability 1 | 3 |
| [**STAT 512**](https://uscbulletins-next.sc.edu/search/?P=STAT%20512) | Mathematical Statistics | 3 |
| **Methods and Computation** | |  |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers 2 | 3 |
| or [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) | Statistical Methods I | |
| [**STAT 516**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | Statistical Methods II 3 | 3 |
| [**STAT 540**](https://uscbulletins-next.sc.edu/search/?P=STAT%20540) | Computing in Statistics 4 | 3 |
| or [**STAT 542**](https://uscbulletins-next.sc.edu/search/?P=STAT%20542) | Computing for Data Science | |
| **Total Credit Hours** | | **15** |
| Course List | | |

**~~1~~** ~~A student double majoring in Mathematics and Statistics may use STAT 511%7C [=MATH 511%7C] to satisfy a major requirement in both programs.~~

**~~2~~**~~Major credit will be given for only one of STAT 509%7C or STAT 515%7C. Neither STAT 509%7C nor STAT 515%7C may be taken concurrently with, or after, STAT 513%7C. A student who has started the Statistics major after taking STAT 512%7C may replace the STAT 509%7C/STAT 515%7C requirement with an additional 3 hour advanced application course chosen from STAT 500 or above.~~

**Major Electives (12 hours)**

Select four courses from STAT 5002,3,4 ~~500¹~~ or above, at least one of which must be selected from [**STAT 513**](https://uscbulletins-next.sc.edu/search/?P=STAT%20513), [**STAT 517**](https://uscbulletins-next.sc.edu/search/?P=STAT%20517), [**STAT 520**](https://uscbulletins-next.sc.edu/search/?P=STAT%20520), or [**STAT 535**](https://uscbulletins-next.sc.edu/search/?P=STAT%20535), which are the options for the Carolina Core integrative course for the Statistics major.

**1** A student double majoring in Mathematics and Statistics may use [**STAT 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) [=[**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511)] to satisfy a major requirement in both programs.

**2** Major credit will be given for only one of **STAT 509**or **STAT 515**. Neither **STAT 509** nor **STAT 515** may

be taken concurrently with, or after, **STAT 513**. A student who has started the Statistics major after

taking **STAT 512**may replace the **STAT 509/STAT 515** requirement with an additional 3-hour Major

Elective course chosen from STAT 500 or above.

**3** A student double majoring in Economics (in the College of Arts and Sciences) and Statistics may use the

combination of both **ECON 436** and **STAT 506** in place of the combination of both **STAT 516** and one of

the STAT 500 or above Major Elective courses for the Statistics major. In this case **ECON 436** may satisfy

a major requirement in both programs. **ECON 436** and **STAT 516** may not both be used to satisfy major

requirements in Statistics.

**4** Whichever of **STAT 540** or **STAT 542** was not used as a Major Course may be used as a Major Elective.

**Major with Actuarial Science Concentration (27 hours)**

The Concentration in Actuarial Science requires the [**Risk Management and Insurance Minor**](https://uscbulletins-next.sc.edu/undergraduate/business/risk-management-insurance-minor/) (18 hours).

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Theory** | |  |
| [**STAT 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) | Probability 1 | 3 |
| [**STAT 512**](https://uscbulletins-next.sc.edu/search/?P=STAT%20512) | Mathematical Statistics | 3 |
| [**STAT 513**](https://uscbulletins-next.sc.edu/search/?P=STAT%20513) | Theory of Statistical Inference | 3 |
| **Methods and Computation** | |  |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers 2 | 3 |
| or [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) | Statistical Methods I | |
| [**STAT 516**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | Statistical Methods II 3 | 3 |
| [**STAT 540**](https://uscbulletins-next.sc.edu/search/?P=STAT%20540) | Computing in Statistics 4 | 3 |
| or [**STAT 542**](https://uscbulletins-next.sc.edu/search/?P=STAT%20542) | Computing for Data Science | |
| **Advanced Applications** | |  |
| [**STAT 520**](https://uscbulletins-next.sc.edu/search/?P=STAT%20520) | Forecasting and Time Series | 3 |
| [**STAT 521**](https://uscbulletins-next.sc.edu/search/?P=STAT%20521) | Applied Stochastic Processes | 3 |
| ~~Select one course from STAT 500~~~~2~~ | | ~~3~~ |
| Select one course from STAT 500 or above 2,3,4 | | 3 |
| **Total Credit Hours** | | **27** |
| Course List | | |

**1** A student double majoring in Mathematics and Statistics may use [**STAT 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) [=[**MATH 511**](https://uscbulletins-next.sc.edu/search/?P=MATH%20511)] to satisfy a

major requirement in both programs.

**2** Major credit will be given for only one of [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) or [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515). Neither [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) nor [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) may

be taken concurrently with, or after, [**STAT 513**](https://uscbulletins-next.sc.edu/search/?P=STAT%20513). A student who has started the Statistics major after

taking [**STAT 512**](https://uscbulletins-next.sc.edu/search/?P=STAT%20512) may replace the [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509)/[**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) requirement with an additional 3 hour advanced

application course chosen from STAT 500 or above.

**3** A student double majoring in Economics (in the College of Arts and Sciences) and Statistics may use the

combination of both **ECON 436** and **STAT 506** in place of the combination of both **STAT 516** and one of

the STAT 500 or above advanced application courses for the Statistics major. In this case **ECON 436** may

satisfy a major requirement in both programs. **ECON 436** and **STAT 516** may not both be used to satisfy

major requirements in Statistics.

**4** Whichever of **STAT 540** or **STAT 542** was not used as a Major Course may be used as a Major Elective.

~~Note: A student double majoring in Economics (in the College of Arts and Sciences) and Statistics may use the combination of both~~[**~~ECON 436~~**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436)~~and~~[**~~STAT 506~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20506)~~in place of the combination of both~~[**~~STAT 516~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516)~~and one of the STAT 500 or above advanced application courses for the Statistics major. In this case~~[**~~ECON 436~~**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436)~~may satisfy a major requirement in both programs.~~[**~~ECON 436~~**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436)~~and~~[**~~STAT 516~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516)~~may not both be used to satisfy major requirements in Statistics.~~

Updating the Carolina Core Integrative Course(s) for the Program

**STAT 513, STAT 517, STAT 520, STAT 535**

~~STAT 513, STAT 520, STAT 535~~

**Course Changes:**

AFAM 515/ ENGL 515 – Adding cross listing

Cross listing: ENGL 515

ARTH 542 – Adding ELO to Course

Should this course have the Experiential Learning designator? Yes No

ARTS 102 – Updating credit hours

Credit hours: 4 ~~3~~

ARTS 103 – Updating schedule type; Updating credit hours

Schedule type: ~~Lecture~~

Lecture/Lab/Clinical

Credit hours: 4 ~~3~~

ARTS 104 – Updating schedule type; Updating credit hours

Schedule type: ~~Lecture~~

Lecture/Lab/Clinical

Credit hours: 4 ~~3~~

ARTS 230 – Updating course description; Updating pre- or co-requisites

Course description: An introduction to the materials and basic techniques of drawing,

including observation, composition, spatial awareness, and critical language. ~~Building on~~

~~foundational skills acquired in ARTS 111, this course further develops skills in observation,~~

~~composition, spatial awareness, drawing technique and critical language.~~

Does this course have pre- or co-requisites? No ~~Yes~~

ARTS 321 – Updating pre- or co -requisites; Updating prerequisites

Does this course have pre- or co-requisites? Yes No

Prerequisites: C or better in ARTS 220

ARTS 325 – Updating course title

Course title: Intermediate Sculpture ~~Three-Dimensional Studies~~ I

ARTS 326 – Updating Course title

Course title: Intermediate Sculpture ~~Three-Dimensional Studies~~ II

ARTS 415 – Updating credit hours; Updating course title

Credit hours: 4-6 ~~4~~

Course title: Advanced Printmaking ~~Printmaking I~~: Intaaglio

ARTS 425 – Updating credit hours; updating repeated credit; updating course title; updating course

description

Credit hours: 4-6 ~~4~~

Can the course be repeated for credit? No ~~Yes~~

Number of Times Course can be Taken for Credit 2

Course title: Advanced Sculpture ~~Advanced Three-Dimensional Studies I~~

Course description: The development of fabrication skills and creative expression in various

three-dimensional media. May be repeated up to 12 credit hours.

ARTS 426 – Updating course title

Course title: Advanced Sculpture ~~Three-Dimensional Studies~~ II

ARTS 430 – Updating credit hours; updating repeated for credit; updating course title; updating course

description

Credit hours: 4-6 4

Can the course be repeated for credit? Yes ~~No~~

Number of Times Course can be Taken for Credit 2

Course title: Advanced Drawing ~~I~~

Course description: Development of a thematic approach to drawing in a series of individual

and group generated artwork. Note: Course is repeatable up to 12 credit hours.

ARTS 460 – Updating credit hours; updating repeated credit; Updating course description

Credit hours: 4-6 ~~4~~

Can this course be repeated for credit? Yes ~~No~~

Number of Times Course can be Taken for Credit 2

Course description: Advanced techniques and career practices in photography. The

development of personal vision through the production of a fine arts portfolio. Students

may work with any photographic process (digital or analog) towards the completion of a

cohesive body of work. Note: Course is repeatable up to 12 credit hours.

ARTS 466 – Updated enrollment restrictions

Are there any enrollment restrictions for the course? Restricted to students who have been

accepted to the Graphic Design and Illustration concentration of the Art Studio BFA.

ARTS 490 – Updating course number; updating credit hours; updating course title; updating

course description; updating prerequisites; updating pre or corequisites; updating

enrollment restrictions

Course number: 490 ~~516~~

Credit hours: 5

Course title: BFA Capstone ~~Printmaking I:~~ Professional Practice

Course description: Professional development of practices including preparing a portfolio,

mounting an exhibition, ~~portfolio and~~ oral presentation of artwork ~~work,~~ researching career

options, and preparing applications for exhibition and funding opportunities.

Prerequisites: ~~ARTS 215 and one ARTS 300 – ARTS 400 level print course~~

Pre or Corequisites: C or better in ARTS 360 and ARTS 361 OR C or better in ARTS 410,

ARTS 415, ARTS 416, ARTS 420, ARTS 425, or ARTS 430

Are there any enrollment restrictions for the course? Restricted to declared BFA students

with and emphasis in Ceramics, Drawing, Painting, Printmaking, Photography, or 3D/

Sculpture

ARTS 512 – Updating schedule type; Updating repeated for credit; Updating course description

Schedule type: ~~Lecture~~ Studio/Studio PE Course

Can the course be repeated for credit: Yes ~~No~~

Number of Times Course can be Taken for Credit 2

Course description: Introduction to traditional and experimental transparent watercolor

technique. Encompasses field work at off campus locations. Note: This course is repeatable

up to 6 credit hours.

ARTS 525 – Updating course title

Course title: Sculpture I ~~Three-Dimensional Studies I~~

ARTS 526 – Update course title

Course title: Sculpture II ~~Three-Dimensional Studies II~~

ARTS 529 – Updating course title

Course title: Workshop: Sculpture ~~Workshop: Three-Dimensional Studies~~

ARTS 555 – Updating course title; Updating course description; Updating prerequisites

Course title: Jewelry and Metalsmithing I ~~Jewelrymaking I~~

Course description: The development of individual directions in jewelry and metalsmithing.

~~jewelrymaking.~~

Prerequisites: C or better in ARTS 455 or ARTS 456

ARTS 556 – Updating course title; updating course description; updating prerequisites

Course title: Jewelry and Metalsmithing II ~~Jewelrymaking II~~

Course description: The development of individual directions in jewelry and metalsmithing.

~~jewelrymaking.~~

Prerequisites: C or better in ARTS 555

ARTS 559 – Updating schedule type; Updating credit hours; Updating course title; Updating course

description

Schedule type: ~~Lecture~~ Lecture/Lab/Clinical

Credit hours: 4 ~~3~~

Course title: Workshop: Jewelry and Metalsmithing ~~Workshop: Jewelrymaking~~

Course description: Advanced study in various technical aspects of jewelry and

metalsmithing. Jewelrymaking~~. Topic varies by title.~~

ARTS 570 – Updating credit hours; Updating times course can be taken; Updating prerequisites

Credit hours: 4 ~~3~~

Number of times course can be taken for credit: 5 ~~99~~

Prerequisites: C or better in ARTS 246 ~~102~~

BIOL 426 – Updating course number; Updating course level; Updating course description; Updating

prerequisites; Updating alternate grade modes

Course number: 426 ~~670~~

Course level: ~~Graduate~~ Undergraduate

Course description: Structure and dynamics of plant populations and communities, including life histories, adaptions, and plant interactions. ~~Three lecture hours per week.~~

Prerequisites: C or higher in BIOL 301 and BIOL 303 ~~BIOL 301~~

Does this course include any alternate grade modes? A – Audit

~~H – Senior Privilege/ Plan M~~

~~P – Pass/ Fail~~

~~X – Accelerated Bachelors/ Masters~~

BIOL 426L – Updating course number; Updating course level; Updating course title; Updating course

description; Updating pre or corequisites; updating grade modes

Course number: 426L ~~670L~~

Course level: ~~Graduate~~ Undergraduate

Course title: Plant Ecology Laboratory

Course description: Laboratory and field exercises in plant ecology. ~~Four hours per week~~.

Pre or Corequisites: C or higher in BIOL 426 ~~BIOL 670~~

Does this course include any alternate grade modes? A – Audit

~~H – Senior Privilege/ Plan M~~

~~P – Pass/ Fail~~

~~X – Accelerated Bachelors/Masters~~

BIOL 635 – Updating schedule type; updating credit hours; Updating course description; Updating

prerequisites; Updating alternate grade modes

Schedule type: ~~Lecture/Lab/Clinical~~ Lecture

Credit hours: 3 ~~4~~

Course description: Descriptive and computational exploration of the molecules, cells and

circuits in the nervous systems of animals that make observable behaviors possible.

~~Descriptive and experimental aspects of the neural basis of behavior, emphasizing cellular~~

~~and molecular mechanisms. Two lecture and six laboratory hours per week. Three lecture~~

~~hours per week.~~

Prerequisites: C or higher in BIOL 302

Does this course include any alternate grade modes? ~~P Pass/Fail~~

BIOL 654 – Updating schedule type; Updating course title

Schedule type: ~~Lecture/Lab/Clinical~~ Lecture

Course title: Speciation and the Origin of Biodiversity ~~Speciation~~

DANC 102 – Updating course number; Updating credit hours; Updating course description; Updating

course restrictions

Course number: 102 102B

Credit hours: 1 2

Course description: An introduction to ballet technique. May be repeated up to six times

for credit. ~~A beginning study of ballet with emphasis on alignment, classical historical~~

~~traditions, and combinations or movement. This course is for dance minors and non-dance~~

~~majors. May be repeated up to six times for credit.~~

Course restrictions: ~~188A – NO Dance Major~~

DANC 111 – Updating course number; Updating credit hours; Updating repeated credit; Updating course

title; Updating course description; Updating course restrictions

Course number: 111 ~~111A~~

Credit hours: 1 2

Can the course be repeated for credit? Yes No

Number of Times Course can be Taken for Credit 6

Course title: Global Dance Forms ~~World Dance I~~

Course description: A study of global dance forms from multiple cultural, historical, and

aesthetic contexts. May be repeated up to 6 times for credit. ~~World Dance is dance~~

~~experience in diverse world dance forms. This course is for dance majors and minors. May~~

~~be repeated up to six times for credit~~.

Course restrictions: ~~188A – Dance Major ONLY~~

~~M1888 – Dance Minor ONLY~~

DANC 112 – Updating course number; Updating credit hours; Updating course description; Updating

course restrictions

Course number: 112 ~~112B~~

Credit hours: 1 2

Course description: An introduction to modern and contemporary dance techniques. ~~with~~

~~the beginning practice of movement technique. This course is for dance minors and non~~

~~dance majors~~. May be repeated up to six times for credit.

Course restrictions: ~~188A – NO Dance Major~~

DANC 178 – Updating credit hours; Updating repeated course; Updating course description

Credit hours: 1 ~~2~~

Can the course be repeated for credit? Yes ~~No~~

Number of Times Course can be Taken for Credit 6

Course description: An introduction to jazz technique. Many be repeated up to six times for

credit. ~~A beginning level class focusing on coordination, rhythm, alignment, jazz vocabulary~~,

~~and jazz dance positions. May be repeated up to six times for credit.~~

DANC 202A – Updating course description; Updating prerequisites

Course description: Intermediate level of classical ballet technique. ~~Second level of~~

~~classical ballet technique facilitating skill in allegro and adagio work~~. This course if for

dance majors. May be repeated up to six times for credit.

Prerequisites: C or better in DANC 102 ~~102A~~

DANC 202B – Updating course description; Updating prerequisites

Course description: Intermediate level of classical ballet technique. ~~Second level of~~

~~classical ballet technique facilitating skill in allegro and adagio work~~. This course is for

dance minors and non dance majors.

May be repeated up to six times for credit.

Prerequisites: C or better in DANC 102 ~~102B~~

DANC 302 – Updating course number; Updating course description

Course number: 302 ~~302A~~

Course description: Intermediate/ advanced third ~~third~~ level of classical ballet technique

for dance majors. ~~Technique. This course is for dance majors~~. May be repeated up to six

times for credit.

DANC 307 – Updating credit hours; updating course title

Credit hours: 1 ~~3~~

Course title: West African Dance ~~I~~

DANC 412 – Updating course number; Updating course title; Updating course description; Updating

prerequisites

Course number: 412 ~~412A~~

Course title: Advanced Contemporary Dance Technique ~~IV~~

Course description: Advanced ~~Intensive advanced~~ level contemporary dance technique.

This course is for dance majors. May be repeated up to six times for credit.

Prerequisites: C or better in DANC 312 ~~312A~~

DANC 440 – Updating credit hours; updating course title; Updating course description; Updating

prerequisites

Credit hours: 1 1-2

Course title: Partnering ~~Pas de Deux (Partnering)~~

Course description: Exploration of current classical and contemporary partnering

techniques. ~~Study of the are of classical ballet pas de deux for men and women. Special~~

~~attention will include adagio work from classical ballet repertory and contemporary dance.~~

Prerequisites: C or better in DANC 302 and DANC 312 or equivalent

DANC 460 – Updating course description; Updating prerequisites

Course description: An intermediate level choreography and composition course. ~~An~~

~~intermediate level choreography course to further examine choreography construction~~

~~methods~~.

Prerequisites: C or better in DANC 360 ~~160~~ and three semesters of technique courses.

DANC 490 – Updating credit hours; Updating prerequisites

Credit hours: 2 ~~3~~

Updating prerequisites: C or better in DANC 480 ~~160~~ and DANC 360

DANC 500 – Updating course description

Course description: ~~A series of courses, each lasting one-third of a semester~~. Topics ~~and~~

~~required courses~~ are announced in the class schedule for each semester.

FAMS 240 – Adding cross listing

Cross-listing: ENGL 240

FAMS 310 – Updating pre- or co-requisites

Does this course have pre- or co-requisites? No ~~Yes~~

FAMS 598 – Adding cross-listing; Updating repeated course; Updating prerequisites

Cross-listing: ENGL 567

Can the course be repeated for credit? Yes No

Number of Times Course can be Taken for Credit 5

GEOG 556 – Updating prerequisites

Prerequisites: C or better in GEOG 263 or graduate student standing ~~GEOG 363~~

GEOG 562 – Updating prerequisites

Prerequisites: C or better in GEOG 345, GEOG 263, or GEOG 551 or graduate student

standing ~~GEOG 345 or GEOG 363 or GEOG 551~~

GEOG 563 – Updating prerequisites

Does this course have pre- or co-requisites? Yes No

Prerequisites: C or better in GEOG 263 or graduate student standing

GEOG 564 – Updating prerequisites

Does this course have pre- or co-requisites? Yes No

Prerequisites: C or better in GEOG 263 or graduate student standing

GEOG 565 – Updating prerequisites

Prerequisites: C or better in GEOG 263 ~~363~~ or GEOG 341 or GEOG 551 or GEOG 563 or

graduate student standing

GEOL 365/ENVR 365/MSCI 365 – Updating Prerequisites

Prerequisites: C or better in ~~STAT 515; C or better in~~ CSCE 206 or higher; C or better in MATH

122 ~~142~~ or higher

LASP 305/SPAN 305 – Updating course title; Updating prerequisites

Course title: Working with Spanish-Speaking Communities ~~Hispanic Clients~~

Prerequisites: ~~B or better in SPAN 210 or SPAN 211; placement at 300 level on Phase II~~

~~placement exam~~

Pre or Corequisites: C or better in SPAN 302

MSCI 503 – Adding cross-listing; Updating prerequisites

Cross-listing: ENVR 503

Prerequisites: C or better in MSCI 102 of BIOL 102; C or better in ~~102~~, CHEM 112

PHIL 499 – Adding ELO to course

PSYC 455/NSCI 300 – Updating Prerequisites

Does this course have pre- or co-requisites? Yes ~~No~~

Prerequisites: C or better in PSYC 101

PYSC 475 – Updating Prerequisites

Does this course have pre- or co-requisites? No ~~Yes~~

PSYC 495 – Updating Prerequisites

Does this course have pre- or co-requisites? No ~~Yes~~

PSYC 571 – Updating Prerequisites; Updating Pre or Corequisites

Prerequisites: C or better in PSYC 221, PSYC 507 and one of either PSYC 455/NSCI 300 ~~455~~

or PSYC 460; or Graduate Student standing. ~~460~~

Pre or Corequisites: ~~C or better in one course from PSYC 400, PSYC 405, PSYC 450, PSYC 455,~~

~~or PSYC 460~~

PSYC 580 – Updating Prerequisites

Prerequisites: B or better in PSYC ~~220 and PSCY 221~~ 221 or graduate student standing

PSYC 583 – Updating prerequisites

Prerequisites: B or better in PSYC 220 ~~227~~ and PSYC 221 ~~228~~

RELG 219 – Adding Carolina Core designation

Are you adding Carolina Core designations or changing any of the Carolina Core

designations? Yes

Group II Values, Ethics, and Social Responsibility (3VSR)

RELG 220 – Updating course description; Adding Carolina Core designation

Course description: An introduction to Buddhism from a social historical perspective that

examines Buddhist religious goals, ethics, values, ~~goals~~ and practices in the local contexts of

India, Sri Lanka, Tibet, China, and Japan.

Are you adding Carolina Core designations or changing any of the Carolina Core

designations? Yes

Group II Values, Ethics, and Social Responsibility (3VSR)

SPAN 280- Updating cross-listings

Cross-listings: LING 244

STAT 201 – Updating Prerequisites

Prerequisites: C or better in MATH 111 or higher; or C or better in STAT 110 or STAT 112; or

placement through the Math Assessment of Prerequisites (MAP) ~~MATH 111 or MATH 115 or~~

~~STAT 110~~

STAT 205 – Updating prerequisites

Prerequisites: C or better in MATH 111 or higher; or placement through the Math

Assessment of Prerequisites (MAP) ~~MATH 111 or higher~~

STAT 206 – Updating prerequisites; Updating alternate grade modes

Prerequisites: C or better in MATH 111 or higher; or placement through the Math

Assessment of Prerequisites (MAP) ~~MATH 111 or higher~~

Does this course include any alternate grade modes? A – Audit

P – Pass/Fail

STAT 515 – Updating prerequisites; Updating course restrictions

Prerequisites: C or better in MATH 112, MATH 115, MATH 122 or MATH 141; or both C or

better in STAT 110 or higher and C or better in MATH 111; or placement through the Math

Assessment of Prerequisites (MAP) ~~C or higher in MATH 122 or MATH 141; or both MATH~~

~~111 or higher and any statistics class~~

Course Restrictions: ~~135A – Statistics Major ONLY~~

~~177A – Applied Statistics Major ONLY~~

~~GR – Graduate ONLY~~

~~MAS – Master of Applied Statistics ONLY~~

~~Master of Science ONLY~~

~~PHD – Doctor of Philosophy ONLY~~

~~Post Baccalaureate Cert (NFAE) ONLY~~

**New Courses:**

BIOL 635L

BIOL 636

DANC 277

DANC 376

DANC 480

HIST 218

HIST 220

HIST 373

LING 233

SOCY 306

**Course Inactivation:**

DANC 102A

DANC 111B

DANC 112A

DANC 113A

DANC 113B

DANC 275

DANC 300

DANC 302B

DANC 312B

DANC 375

DANC 377

DANC 381

DANC 382

DANC 385

DANC 390

DANC 402B

DANC 403

DANC 407

DANC 412B

DANC 420

DANC 421

DANC 475

DANC 482

DANC 586

1. **College of Hospitality, Retail and Sport Management**

**Program Changes:**

* 1. **Beverage Management Minor**

Updating Minor Requirements

**Minor Requirements (18 hours)**

*Any prerequisites must be satisfied prior to enrolling in required and selected courses.*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Required Courses** | |  |
| [**HTMT 275**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20275) | Introduction to Beverage Management | 3 |
| **Select at least one tasting course:** | | **3** |
| [**HTMT 373**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20373) | Coffee, Tea, and Non-Alcoholic Beverages |  |
| **HTMT 474** | Distilled Spirits for the Hospitality Industry |  |
| [**HTMT 475**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20475) | Wines and Spirits in Food Service Establishments |  |
| [**HTMT 476**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20476) | Craft Beer |  |
| [**HTMT 575**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20575) | Advanced Topics in Wine |  |
| **Select an additional 12 credits from the following:** | | **12** |
| **HTMT 350** | Beverage Marketing and Promotion |  |
| [**HTMT 373**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20373) | Coffee, Tea, and Non-Alcoholic Beverages |  |
| [**HTMT 375**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20375) | Wine, Beverage, and Culture |  |
| [**HTMT 390**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20390) | Special Topics in HTMT |  |
| [**HTMT 475**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20475) | Wines and Spirits in Food Service Establishments |  |
| [**HTMT 476**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20476) | Craft Beer |  |
| [**HTMT 574**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20574) | The Global Business of Beverage Distribution |  |
| [**HTMT 590**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20590) | Special Topics in HTMT |  |
| [**HTMT 595**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20595) | Hospitality and Tourism Management Field Study |  |
| **Total Credit Hours** | | **18** |
| Course List | | |

Note: For a class to count towards the minor, a grade of C or higher must be earned. To complete the minor, a minimum cumulative grade point average of 2.50 must be earned in HTMT courses counting towards the minor.

When a student’s major requires one of the courses included in the Beverage Management minor, that course cannot be used to fulfill both the requirements for the major and the requirements for the minor. Where such overlap exists between the requirements of the major and the minor, the student will need to take additional selected coursework. In addition, a course cannot be counted twice towards the minor (i.e., a course cannot count as a required course as well as an elective course).

\* A list of special topics courses approved for the beverage management minor will be kept by the Undergraduate Coordinator for HTMT.

* 1. **Hospitality Management, B.S.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-8 hours)**

* Any **CC-ARP courses**

**~~Option 1~~**

* [**~~MATH 122~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)**~~or~~**[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* ~~Plus an additional course from one of the following:~~
  + ~~Mathematics (at the next higher level)~~
  + ~~Computer Science~~
  + ~~Statistics~~
  + [**~~PHIL 114~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20114)
  + [**~~PHIL 111~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20111)

**~~Option 2~~**

~~Select one from the following:~~

* ~~Two courses from Computer Science~~
* ~~Two courses from Statistics~~
* [**~~PHIL 111~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20111)~~&~~[**~~PHIL 114~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20114)

**SCI – Scientific Literacy (7 hours)**

* Any **CC-SCI courses**
* ~~Two approved~~[**~~CC-SCI courses~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)~~from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics~~

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* Any **CC-CMS course**
* ~~Select one of the following:~~
  + [**~~SPCH 140~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20140)
  + [**~~SPCH 145~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20145)
  + [**~~SPCH 230~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20230)

**INF – Information Literacy1 (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Updating College Requirements

**2. College Requirements (20 ~~(21~~ hours)**

*A minimum grade of C is required in all college required courses*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| HRSM 201 | Course HRSM 201 Not Found | 1 |
| **HRSM 301** | HRSM Professional Development Seminar | 1 |
| **HTMT 344** | Personnel Organization and Supervision | 3 |
| **RETL 242** | HRSM Professional Communications | 3 |
| **RETL 261** | Principles of Accounting I | 3 |
| **RETL 262** | Principles of Accounting II | 3 |
| **SPTE 240** | Business Law | 3 |
| **SPTE 274** | Computer Applications in Hospitality, Retail, and Sport Management | 3 |
| **Total Credit Hours** | | **20** |
| Course List | | |

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~HRSM 301~~**](https://uscbulletins-next.sc.edu/search/?P=HRSM%20301) | ~~HRSM Professional Development Seminar~~ | ~~3~~ |
| [**~~HTMT 344~~**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20344) | ~~Personnel Organization and Supervision~~ | ~~3~~ |
| [**~~RETL 242~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20242) | ~~HRSM Professional Communications~~ | ~~3~~ |
| [**~~RETL 261~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20261) | ~~Principles of Accounting I (must be passed with a grade of C or higher)~~ | ~~3~~ |
| [**~~RETL 262~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20262) | ~~Principles of Accounting II (must be passed with a grade of C or higher)~~ | ~~3~~ |
| [**~~SPTE 240~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20240) | ~~Business Law~~ | ~~3~~ |
| [**~~SPTE 274~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20274) | ~~Computer Applications in Hospitality, Retail, and Sport Management~~ | ~~3~~ |
| **~~Total Credit Hours~~** | | **~~0~~** |
| ~~Course List~~ | | |

Updating Program Requirements

**3. Program Requirements (7-18 ~~(6-17~~ hours)**

**Supporting Courses (7 ~~(6~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | Introduction to Economics | 3 |
| HRSM 101 | Course HRSM 101 Not Found | 1 |
| [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management | 3 |
| **Total Credit Hours** | | **7** |
| Course List | | |

**Minor (18 hours) *optional***

Minors are optional for Hospitality Management majors and may be in any course of study offered by the College of HRSM as well as any other University program with an approved minor. College of HRSM required courses may not be counted toward a minor.

**Electives (0-11 hours)**

The number of approved electives needed for the Hospitality Management Major Curriculum depends upon how students fulfill the Carolina Core Requirements and the optional selection of a minor.  Any course in the University can be used to satisfy the elective requirement, including additional electives in the major field area.

* 1. **Retailing, B.S.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6 hours)**

* Any **CC-ARP courses**

**~~Option 1~~**

* [**~~MATH 122~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)
* ~~Plus an additional~~[**~~CC-ARP course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)~~from one of the following:~~
  + ~~Another MATH at a higher level~~
  + ~~One STAT course~~
  + ~~One CSCE course~~

**~~Option 2~~**

~~Choose 2~~[**~~CC-ARP courses~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)~~in the same field, except MATH, from either:~~

* ~~STAT or~~
* ~~CSCE~~

**SCI – Scientific Literacy (7 hours)**

* Any **CC-SCI courses**

~~Two approved~~[**~~CC-SCI courses~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)~~from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics~~

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* any **CC-CMS course**
* [**~~SPCH 140~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20140)**~~or~~**[**~~SPCH 230~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20230)

**INF – Information Literacy1 (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer

students the option of meeting two Carolina Core components in a single course. A maximum of two

overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some

programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Updating College Requirements

**2. College Requirements (20 ~~(21~~ hours)**

*Must be passed with a grade of C or higher*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| HRSM 201 | Course HRSM 201 Not Found | 1 |
| [**HRSM 301**](https://uscbulletins-next.sc.edu/search/?P=HRSM%20301) | HRSM Professional Development Seminar | 1 |
| [**HTMT 344**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20344) | Personnel Organization and Supervision | 3 |
| [**RETL 242**](https://uscbulletins-next.sc.edu/search/?P=RETL%20242) | HRSM Professional Communications | 3 |
| [**RETL 261**](https://uscbulletins-next.sc.edu/search/?P=RETL%20261) | Principles of Accounting I | 3 |
| [**RETL 262**](https://uscbulletins-next.sc.edu/search/?P=RETL%20262) | Principles of Accounting II | 3 |
| [**SPTE 240**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20240) | Business Law | 3 |
| [**SPTE 274**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20274) | Computer Applications in Hospitality, Retail, and Sport Management | 3 |
| **Total Credit Hours** | | **20** |
| Course List | | |

Updating Program Requirements

**3. Program Requirements (3-15 ~~(2-14~~ hours)**

**Supporting Courses (1 hour)**

* HRSM 101

**Minor (18 hours)***optional*

**~~Minor (18 hours)~~*~~optional~~***

Retailing majors may pursue a minor in any course of study offered by the College of HRSM or the University outside the Department of Retailing. College of HRSM required courses may not be counted toward a minor.

**​Electives (2-14 hours)**

The additional hours of electives may vary depending upon how students fulfill the Carolina Core requirements.

Updating Major Requirements

**4. Major Requirements (54 hours)**

*A minimum grade of C is required in all major courses*

Retailing majors must select a concentration in either Retail Management or Fashion Merchandising and Digital Innovations. The Department of Retailing does not offer a retailing major without a concentration.

**Major Courses (33 hours)**

*Must be passed with a grade of C or higher*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~RETL 201~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20201) | ~~Exploration of Retail Management and Fashion Merchandising Industries~~ | ~~3~~ |
| [**RETL 265**](https://uscbulletins-next.sc.edu/search/?P=RETL%20265) | Principles of Retailing | 3 |
| [**RETL 295**](https://uscbulletins-next.sc.edu/search/?P=RETL%20295) | Retailing Practicum | 3 |
| [**RETL 310**](https://uscbulletins-next.sc.edu/search/?P=RETL%20310) | Digital Retailing | 3 |
| RETL 340 | Course RETL 340 Not Found | 3 |
| [**RETL 366**](https://uscbulletins-next.sc.edu/search/?P=RETL%20366) | Retail Buying | 3 |
| [**RETL 369**](https://uscbulletins-next.sc.edu/search/?P=RETL%20369) | Retail Promotion | 3 |
| RETL 421 | Course RETL 421 Not Found | 3 |
| [**RETL 425**](https://uscbulletins-next.sc.edu/search/?P=RETL%20425) | Customer Experience Management | 3 |
| [**~~RETL 485~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20485) | ~~Multi-National Retailing~~ | ~~3~~ |
| RETL 465 | Course RETL 465 Not Found | 3 |
| [**RETL 495**](https://uscbulletins-next.sc.edu/search/?P=RETL%20495) | Retailing Internship 1 | 6 |
| **Total Credit Hours** | | **33** |
| Course List | | |

**1** Restricted to retailing majors.

* Students in [**RETL 495**](https://uscbulletins-next.sc.edu/search/?P=RETL%20495) may enroll in up to 7 additional credits for a total of 13 credit hours. Students will not be permitted to enroll in more than 13 total credit hours while completing [**RETL 495**](https://uscbulletins-next.sc.edu/search/?P=RETL%20495).
* It is strongly recommended that students do not take additional courses while completing [**RETL 495**](https://uscbulletins-next.sc.edu/search/?P=RETL%20495).
* Course is offered fall, spring and summer; summer is the preferred time for students to complete the course.
* Students are responsible for securing their own internship and should contact the internship director for assistance and resources to identify and apply for opportunities of interest.

**Concentrations (21 hours)**

Choose a concentration in either Fashion Merchandising and Digital Innovations or Retail Management.

**Fashion Merchandising and Digital Innovations (21 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**RETL 268**](https://uscbulletins-next.sc.edu/search/?P=RETL%20268) | Principles of Fashion Merchandising | 3 |
| RETL 348 | Course RETL 348 Not Found | 3 |
| [**RETL 365**](https://uscbulletins-next.sc.edu/search/?P=RETL%20365) | Visual Merchandising and Store Design | 3 |
| [**RETL 368**](https://uscbulletins-next.sc.edu/search/?P=RETL%20368) | Fashion Product Analysis | 3 |
| [**~~RETL 385~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20385) | ~~Global Sourcing in Retail and Fashion~~ | ~~3~~ |
| [**RETL 462**](https://uscbulletins-next.sc.edu/search/?P=RETL%20462) | Merchandise Management Strategies | 3 |
| Select two of the following: | | 6 |
| [**RETL 115**](https://uscbulletins-next.sc.edu/search/?P=RETL%20115) | Fashion History: A Global View |  |
| [**RETL 116**](https://uscbulletins-next.sc.edu/search/?P=RETL%20116) | Fashion Through the Ages: 1800 A.D. to Present |  |
| [**RETL 237**](https://uscbulletins-next.sc.edu/search/?P=RETL%20237) | The Changing Consumer Marketplace |  |
| [**~~RETL 250~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20250) | ~~Sustainability in Fashion and Retail~~ |  |
| [**RETL 330**](https://uscbulletins-next.sc.edu/search/?P=RETL%20330) | Asset Protection for Retailers |  |
| [**RETL 350**](https://uscbulletins-next.sc.edu/search/?P=RETL%20350) | Sales Strategies |  |
| [**RETL 351**](https://uscbulletins-next.sc.edu/search/?P=RETL%20351) | Retail Entrepreneurship |  |
| [**RETL 362**](https://uscbulletins-next.sc.edu/search/?P=RETL%20362) | Principles of Customer Service |  |
| [**RETL 388**](https://uscbulletins-next.sc.edu/search/?P=RETL%20388) | Fashion Forecasting |  |
| [**RETL 460**](https://uscbulletins-next.sc.edu/search/?P=RETL%20460) | Retail Branding Strategies |  |
| [**RETL 472**](https://uscbulletins-next.sc.edu/search/?P=RETL%20472) | Category Management |  |
| **RETL 485** | Multi-National Retailing |  |
| [**RETL 487**](https://uscbulletins-next.sc.edu/search/?P=RETL%20487) | Retail Management Strategies |  |
| [**RETL 530**](https://uscbulletins-next.sc.edu/search/?P=RETL%20530) | Fashion and the Law |  |
| **RETL 535** | Retail Logistics |  |
| [**RETL 551**](https://uscbulletins-next.sc.edu/search/?P=RETL%20551) | Retail and Fashion Business Planning |  |
| [**RETL 562**](https://uscbulletins-next.sc.edu/search/?P=RETL%20562) | Advanced Merchandising Management Strategies |  |
| **RETL 569** | Advanced Retail Promotion and Social Media Analytics |  |
| [**RETL 590**](https://uscbulletins-next.sc.edu/search/?P=RETL%20590) | Special Topics in Retail Management |  |
| [**RETL 592**](https://uscbulletins-next.sc.edu/search/?P=RETL%20592) | Retailing/Fashion Merchandising Field Study |  |
| **Total Credit Hours** | | **21** |
| Course List | | |

**Retail Management (21 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**RETL 330**](https://uscbulletins-next.sc.edu/search/?P=RETL%20330) | Asset Protection for Retailers | 3 |
| [**RETL 350**](https://uscbulletins-next.sc.edu/search/?P=RETL%20350) | Sales Strategies | 3 |
| [**RETL 351**](https://uscbulletins-next.sc.edu/search/?P=RETL%20351) | Retail Entrepreneurship | 3 |
| [**RETL 362**](https://uscbulletins-next.sc.edu/search/?P=RETL%20362) | Principles of Customer Service | 3 |
| [**~~RETL 472~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20472) | ~~Category Management~~ | ~~3~~ |
| [**RETL 487**](https://uscbulletins-next.sc.edu/search/?P=RETL%20487) | Retail Management Strategies | 3 |
| Select two of the following: | | 6 |
| [**RETL 237**](https://uscbulletins-next.sc.edu/search/?P=RETL%20237) | The Changing Consumer Marketplace |  |
| [**~~RETL 250~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20250) | ~~Sustainability in Fashion and Retail~~ |  |
| [**RETL 268**](https://uscbulletins-next.sc.edu/search/?P=RETL%20268) | Principles of Fashion Merchandising |  |
| [**RETL 365**](https://uscbulletins-next.sc.edu/search/?P=RETL%20365) | Visual Merchandising and Store Design |  |
| RETL 348 | Course RETL 348 Not Found |  |
| [**RETL 368**](https://uscbulletins-next.sc.edu/search/?P=RETL%20368) | Fashion Product Analysis |  |
| [**RETL 460**](https://uscbulletins-next.sc.edu/search/?P=RETL%20460) | Retail Branding Strategies |  |
| [**RETL 462**](https://uscbulletins-next.sc.edu/search/?P=RETL%20462) | Merchandise Management Strategies |  |
| **RETL 485** | Multi-National Retailing |  |
| [**RETL 525**](https://uscbulletins-next.sc.edu/search/?P=RETL%20525) | Legal Aspects of Entrepreneurship and E-Commerce |  |
| **RETL 535** | Retail Logistics |  |
| [**RETL 551**](https://uscbulletins-next.sc.edu/search/?P=RETL%20551) | Retail and Fashion Business Planning |  |
| [**RETL 562**](https://uscbulletins-next.sc.edu/search/?P=RETL%20562) | Advanced Merchandising Management Strategies |  |
| **RETL 569** | Advanced Retail Promotion and Social Media Analytics |  |
| [**RETL 590**](https://uscbulletins-next.sc.edu/search/?P=RETL%20590) | Special Topics in Retail Management |  |
| [**RETL 592**](https://uscbulletins-next.sc.edu/search/?P=RETL%20592) | Retailing/Fashion Merchandising Field Study |  |
| **Total Credit Hours** | | **21** |
| Course List | | |

* 1. **Services Management, B.A.I.S.**

Updating Program Requirements

**3. Program Requirements (41-54 ~~(38-53~~ hours)**

**Electives (41-54 ~~(38-53~~ hours)**

* The BAIS curriculum includes 41-54 ~~38-53~~ hours of electives depending on how students fulfill the Carolina Core requirements. Any course in the university can be used to satisfy the elective requirement including additional electives in the major.

Updating Major Requirements

**4. Major Requirements (35-36 ~~(36~~ hours)**

*a minimum grade of C is required in all major courses*

The major consists of at least 35-36 ~~36~~ hours taken at the 300-level or above of USC coursework and 15 of those credit hours must be at the 400-level or above (including [**HRSM 497**](https://uscbulletins-next.sc.edu/search/?P=HRSM%20497))

**Major Courses (5-6 ~~(6~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~HRSM 301~~**](https://uscbulletins-next.sc.edu/search/?P=HRSM%20301) | ~~HRSM Professional Development Seminar (with advisor approval)~~ | ~~3~~ |
| ~~or HRTM 344~~ | ~~Course HRTM 344 Not Found~~ | |
| [**HRSM 497**](https://uscbulletins-next.sc.edu/search/?P=HRSM%20497) | Senior Seminar | 3 |
| Choose one of the following options: | | 2-3 |
| HRSM 201 & **301** | Course HRSM 201 Not Found and HRSM Professional Development Seminar |  |
| **HTMT 344** | Personnel Organization and Supervision |  |
| **Total Credit Hours** | | **5-6** |
| Course List | | |

**Specializations or Thematic Model (30 hours)**

The major coursework includes 30 hours of courses organized in one of two approaches and this is determined by the student with the advisor’s approval.

* **Specializations** have at least 15 hours in each of two areas. Each course proposed must correspond to the intent of the specialization.
  + One specialization must be from one department within the College of HRSM and include a minimum of at least 15 credit hours.
  + The other specialization is determined by the student with the advisor’s approval and must include a minimum of at least 15 credit hours.
* **Thematic model** has at least 10 courses that correspond directly to a theme and that, when viewed collectively, will establish a minimum amount of depth in a chosen theme. The thematic approach must result in at least 30 credit hours.
  + The thematic model must include at least 15 credit hours taken within the courses offered by the College of HRSM.
  1. **Sport and Entertainment Management, B.S.**

Updated Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 201**](https://uscbulletins-next.sc.edu/search/?P=STAT%20201), STAT 205, or STAT 206

**SCI – Scientific Literacy (7 hours)**

* Any **CC-SCI courses**

~~Two approved~~[**~~CC-SCI courses~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)~~from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics~~

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* any **CC-CMS course**
* [**~~SPCH 140~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20140)

**NF ~~INF~~ – Information Literacy1 (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements**— Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Updating College Requirements

**2. College Requirements (20 ~~(21~~ hours)**

*A minimum grade of C is required in all college required courses*

*~~All college required courses must be passed with a grade of C or higher~~*

**~~Pre-Professional Division Courses (9 hours)~~**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| HRSM 201 | Course HRSM 201 Not Found | 1 |
| **HRSM 301** | HRSM Professional Development Seminar | 1 |
| **HRSM 344** | Personnel Organization and Supervision | 3 |
| **RETL 242** | HRSM Professional Communications | 3 |
| [**RETL 261**](https://uscbulletins-next.sc.edu/search/?P=RETL%20261) | Principles of Accounting I | 3 |
| [**RETL 262**](https://uscbulletins-next.sc.edu/search/?P=RETL%20262) | Principles of Accounting II | 3 |
| **SPTE 240** | Business Law | 3 |
| [**SPTE 274**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20274) | Computer Applications in Hospitality, Retail, and Sport Management | 3 |
| **Total Credit Hours** | | **20** |
| Course List | | |

**~~College-Required Courses (12 hours)~~**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~HRSM 301~~**](https://uscbulletins-next.sc.edu/search/?P=HRSM%20301) | ~~HRSM Professional Development Seminar~~ | ~~3~~ |
| [**~~HTMT 344~~**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20344) | ~~Personnel Organization and Supervision~~ | ~~3~~ |
| [**~~RETL 242~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20242) | ~~HRSM Professional Communications~~ | ~~3~~ |
| ~~or~~[**~~ENGL 463~~**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20463) | ~~Business Writing~~ | |
| [**~~SPTE 240~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20240) | ~~Business Law~~ | ~~3~~ |
| **~~Total Credit Hours~~** | | **~~0~~** |
| ~~Course List~~ | | |

Updating Program Requirements

**3. Program Requirements (15-27 ~~(14-26~~ hours)**

**Supporting Courses (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Pre-Professional Related Coursework** | |  |
| [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | Introduction to Economics | 3 |
| [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management | 3 |
| [**MKTG 350**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20350) | Principles of Marketing | 3 |
| **Other Related Coursework** | |  |
| [**FINA 363**](https://uscbulletins-next.sc.edu/search/?P=FINA%20363) | Introduction to Finance | 3 |
| or [**FINA 333**](https://uscbulletins-next.sc.edu/search/?P=FINA%20333) | Finance and Markets | |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Minor (18 hours) *optional***

Sport and Entertainment Management majors may pursue a minor in any course of study offered by the College of Hospitality, Retail and Sport Management (HRSM) as well as any other University program with an approved minor. College of HRSM required courses may not be counted toward a minor.

**Electives (3-15 ~~(2-14~~ hours)**

The SPTE curriculum includes 3-15 ~~2-14~~ hours of electives, depending on how students fulfill the Carolina Core requirements. Courses used to satisfy the elective requirement, which may include additional SPTE Major Electives, must be approved by the SPTE advisor.

* 1. **Tourism Management, B.S.**

Updating Degree Requirements

**Degree Requirements (120 hours)**

**~~Degree Requirements (120 hours)~~**

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 31-43 |
| 2. College Requirements | 20 |
| 3. Program Requirements | 9-21 |
| 4. Major Requirements | 48 |
| Program Summary | |

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-8 hours)**

* STAT 110 (if needed as a prerequisite to STAT 201) or any [**CC-ARP course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)
* STAT 201, STAT 205, or STAT 206
* [**~~STAT 110~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20110)**~~or~~**[**~~MATH 122~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)
* [**~~STAT 201~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20201)

**SCI – Scientific Literacy (7 hours)**

* Any **CC-SCI courses**
* ~~Two~~[**~~CC-SCI courses~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)~~from the natural sciences, including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics~~

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* any **CC-CMS course**
* ~~Select one of the following:~~
  + [**~~SPCH 140~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20140)
  + [**~~SPCH 145~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20145)
  + [**~~SPCH 230~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20230)

**INF – Information Literacy1 (0-3 hours)**

* any overlay or stand-alone [**CC-INF course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Updating College Requirements

**2. College Requirements (20 ~~(21~~ hours)**

*A minimum grade of C is required in all college required courses*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| HRSM 201 | Course HRSM 201 Not Found | 1 |
| **HRSM 301** | HRSM Professional Development Seminar | 1 |
| **HTMT 344** | Personnel Organization and Supervision | 3 |
| **RELT 242** | HRSM Professional Communications | 3 |
| **RETL 261** | Principles of Accounting I | 3 |
| **RETL 262** | Principles of Accounting II | 3 |
| **SPTE 240** | Business Law | 3 |
| **SPTE 274** | Computer Applications in Hospitality, Retail, and Sport Management | 3 |
| **Total Credit Hours** | | **20** |
| Course List | | |

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~HRSM 301~~**](https://uscbulletins-next.sc.edu/search/?P=HRSM%20301) | ~~HRSM Professional Development Seminar~~ | ~~3~~ |
| [**~~HTMT 344~~**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20344) | ~~Personnel Organization and Supervision~~ | ~~3~~ |
| [**~~RETL 242~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20242) | ~~HRSM Professional Communications~~ | ~~3~~ |
| [**~~RETL 261~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20261) | ~~Principles of Accounting I (must be passed with a grade of C or higher)~~ | ~~3~~ |
| [**~~RETL 262~~**](https://uscbulletins-next.sc.edu/search/?P=RETL%20262) | ~~Principles of Accounting II (must be passed with a grade of C or higher)~~ | ~~3~~ |
| [**~~SPTE 240~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20240) | ~~Business Law~~ | ~~3~~ |
| [**~~SPTE 274~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20274) | ~~Computer Applications in Hospitality, Retail, and Sport Management~~ | ~~3~~ |
| **Total Credit Hours** | | **0** |
| Course List | | |

Updating Program Requirements

**3. Program Requirements (9-21 ~~(8-20~~ hours)**

**Supporting Courses (7 ~~(6~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | Introduction to Economics | 3 |
| HRSM 101 | Course HRSM 101 Not Found | 1 |
| [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management | 3 |
| **Total Credit Hours** | | **7** |
| Course List | | |

**Minor (0-18 hours) *optional***

* Tourism Management majors may pursue a minor in any course of study offered by the College of HRSM as well as any other University program with an approved minor. College of HRSM required courses may not be counted toward a minor.

**Electives (2-14 hours)**

* The Tourism Major Curriculum includes 2 to 14 hours of approved electives depending on how students fulfill the Carolina Core Requirements. Any course in the university can be used to satisfy the elective requirement including additional electives in the major.

**Course Changes:**

HRSM 301 – Updating credit hours; Updating course title; Updating course description; Updating

prerequisites; Updating grade modes

Credit hours: 1 ~~3~~

Course title: HRSM Advanced Professional Development Seminar

Description: Advanced strategies, ~~Strategies~~, tactics, and requisite skills for career success

in the hospitality, tourism, retail, sport and ~~sport,~~ entertainment, and services

management ~~technology~~ industries. Course must be taken prior to HRSM internship.

Does this course have pre- or co-requisites? Yes ~~No~~

Prerequisites: C or better in HRSM 201

Does this course include any alternate grade modes? ~~A - Audit~~

HTMT 262 – Change to course delivery only (DL)

HTMT 344/RETL 344 – Updating course title

Course title: Human Resource Management in Hospitality, Retail, and Sport Management

~~Personnel Organization and Supervision~~

HTMT 474 – Updating Prerequisites

Prerequisites: Students must be 21 years or older to enroll in this course. ~~C or better in~~

~~HTMT 275; Students must have an updated TIPS or ServSafe Alcohol certification; They~~

~~must also be 21 years old to participate in the tastings.~~

HTMT 475 – Updating prerequisites

Does this course have pre- or co-requisites? Yes ~~No~~

Prerequisites: Students must be 21 years or older to enroll in this course

HTMT 476 – Updating course description; Updating prerequisites

Course description: Study of craft beer through exploration of current trends, countries of

origin, beer styles, flavor profiles, food flavor pairings and best business practices. ~~Students~~

~~must be 21 years old~~.

Does this course have pre- or co-requisites? Yes ~~No~~

Prerequisites: Students must be 21 years or older to enroll in this course

HTMT 575 – Updating course description; Updating prerequisites

Course description: A viticultural and enological study of wine and wine regions around the

world; from the vineyard to the table including grape varietals., wine regions and wine

service. ~~Students must be 21 years old.~~

Prerequisites: C or better in HTMT 475; Student must be 21 years or older to enroll in this

course ~~HTMT 475~~

RETL 340 – Updating course number

Course number: 340 ~~250~~

RETL 465 – Updating course number; Updating prerequisites; Updating enrollment restrictions

Course number: 465 ~~385~~

Prerequisites: C ~~D~~ or better in RETL 261 and RETL 265

Are there any enrollment restrictions for the course? Required for all Retail majors

RETL 569 – Change to Course Delivery Only (DL)

**New Courses:**

HRSM 101

HRSM 201

HRSM 390

HTMT 581

RETL 348

RETL 421

1. **School of Music**

**Program Changes:**

* 1. **Music, B.A.**

Updating Overview/Introduction

**Progression Requirements**

Acceptance as a music major does not guarantee progression to the upper division. To remain in a degree program offered by the School of Music, a student must make satisfactory progress toward the degree. A student who fails to make satisfactory academic progress may be placed on academic probation or removed from the school. This includes satisfactory progress in the applied music sequence. In addition, all students in the school are subject to the regulations on probation, suspension, and readmission in the “Academic Standards” section of the “Academic Regulations” chapter of this bulletin. At the end of the sophomore year, each student’s progress toward completion of lower-division requirements will be evaluated.

**Upper Division**

To be admitted to the upper division, students must meet the following criteria:

1. ~~completion of piano proficiency requirements;~~
2. ~~completion of the Aural Skills training sequence~~[**~~MUSC 117~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20117)~~,~~[**~~MUSC 118~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20118)~~,~~[**~~MUSC 217~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20217)~~,~~[**~~MUSC 218~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20218)~~; Bachelor of Music with an emphasis in Theory majors must achieve a minimum grade of “~~**~~B~~**~~”~~
3. ~~completion of~~[**~~MUSC 115~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20115)~~and~~[**~~MUSC 215~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20215)~~; Bachelor of Music with an emphasis in Theory majors must achieve a minimum grade of “~~**~~B~~**~~”~~
4. ~~completion of~~[**~~MUSC 100L~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100L)~~;~~
5. ~~for music education majors, completion of the Music Education Practicum (~~[**~~MUED 200~~**](https://academicbulletins.sc.edu/search/?P=MUED%20200)~~);~~
6. ~~for Bachelor of Music students,~~approval of the applied jury to progress to the upper-division courses (MUSC 311 or MUSC 411), as appropriate to the chosen degree program;
7. completion of at least 60 credits with a cumulative grade point average of 2.50 in MUSC and MUED courses and 2.00 in all courses.

Updating Major Requirements

**4. Major Requirements (49-67 hours)**

*a minimum grade of C is required in all major courses*

**Major Courses (43 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 100**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100) | Music Convocation (2 semesters are required) | 0 |
| [**MUSC 100A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100A) | Music Advocacy I: Understanding the Power of Your Music | 0 |
| [**MUSC 100L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100L) | Recital Class Laboratory | 1 |
| [**MUSC 117**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20117) | Aural Skills I | 1 |
| [**MUSC 118**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20118) | Aural Skills II | 1 |
| [**MUSC 215**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20215) | Music Theory II | 3 |
| [**MUSC 217**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20217) | Aural Skills III | 1 |
| [**MUSC 218**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20218) | Aural Skills IV | 1 |
| [**MUSC 353**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20353) | History of Western Music I | 3 |
| [**MUSC 354**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20354) | History of Western Music II | 3 |
| Select one Music History course from the following: | | 3 |
| [**MUSC 445**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20445) | Special Topics in Musicology and Ethnomusicology |  |
| [**MUSC 544**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20544) | Topics in Music History |  |
| **MUSC 546** | Black Sacred Music: Local and Global Perspectives |  |
| Select two Theory Electives from the following courses: | | 6 |
| [**MUSC 312**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20312) | Counterpoint |  |
| [**MUSC 313**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20313) | Twentieth-Century Techniques and Materials |  |
| [**MUSC 315**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20315) | Topics in Music Theory |  |
| [**MUSC 319**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20319) | Jazz Theory I |  |
| [**MUSC 320**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20320) | Jazz Theory II |  |
| [**MUSC 515**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20515) | Orchestration |  |
| [**MUSC 518**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20518) | Form and Analysis |  |
| [**MUSC 525**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20525) | Post-Tonal Music Theory |  |
| [**MUSC 526**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20526) | Analytical Studies |  |
| [**MUSC 528**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20528) | Seminar in Music Theory |  |
| **Applied Music Courses 1** | |  |
| [**MUSC 111A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111A)-[**MUSC 111Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111Z) | | 12 |
| **Ensembles** | |  |
| Select 8 semesters 2 | | 8 |
| **Total Credit Hours** | | **43** |
| Course List | | |

**1** Must be completed satisfactorily for a minimum of six semesters & 12 hours of credit.

**2** Students must complete 8 semesters of ensembles, with a minimum of 4 semesters in a major

ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, & University Chorus. Ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement (minimum 1 semester) include all [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Students who choose to complete the Musical Theatre concentration must complete 4 semesters/hours of musical theatre ensemble, selected from [**MUSC 130M**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130M) and [**MUSC 450**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20450).  Students whose applied focus is jazz may satisfy the major ensemble requirement by enrolling in MUSC 131. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour each semester.

**Major Electives (6 hours)**

Students must complete a minimum of 6 hours of music major electives, including [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156) (or demonstration of piano proficiency is required), if needed, or [**MUSC 278**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20278) for those whose primary medium is voice. Students who choose to complete the Music Theatre Concentration must choose [**MUSC 278**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20278) or [**MUSC 500**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20500) as two hours of their Major Electives.

**Concentration in Musical Theatre (18 hours) *optional***

Students who choose to complete a concentration in Musical Theatre may not also choose to complete a Theatre Minor.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**DANC 102B**](https://uscbulletins-next.sc.edu/search/?P=DANC%20102B) | Ballet Technique I | 1 |
| [**DANC 112B**](https://uscbulletins-next.sc.edu/search/?P=DANC%20112B) | Contemporary Dance Technique I | 1 |
| [**DANC 178**](https://uscbulletins-next.sc.edu/search/?P=DANC%20178) | Jazz Dance Technique I | 1 |
| [**THEA 240**](https://uscbulletins-next.sc.edu/search/?P=THEA%20240) | Beginning Voice and Speech | 3 |
| [**THEA 270**](https://uscbulletins-next.sc.edu/search/?P=THEA%20270) | Beginning Acting | 3 |
| [**THEA 280**](https://uscbulletins-next.sc.edu/search/?P=THEA%20280) | Elements of Design for Theatre Production | 3 |
| [**THEA 370**](https://uscbulletins-next.sc.edu/search/?P=THEA%20370) | Intermediate Acting | 3 |
| 3 credits selected from any combination of the following: | | 3 |
| -Any DANC or THEA course(s) | |  |
| -Additional semesters of **MUSC 130M** | |  |
| **Total Credit Hours** | | **18** |
| Course List | | |

* 1. **Music, B.M.**

Updating Overview/Introduction

**Progression Requirements**

Acceptance as a music major does not guarantee progression to the upper division. To remain in a degree program offered by the School of Music, a student must make satisfactory progress toward the degree. A student who fails to make satisfactory academic progress may be placed on academic probation or removed from the school. This includes satisfactory progress in the applied music sequence. In addition, all students in the school are subject to the regulations on probation, suspension, and readmission in the “Academic Standards” section of the “Academic Regulations” chapter of this bulletin. At the end of the sophomore year, each student’s progress toward completion of lower-division requirements will be evaluated.

**Upper Division**

To be admitted to the upper division, students must meet the following criteria:

1. ~~completion of piano proficiency requirements;~~
2. ~~completion of the Aural Skills training sequence~~[**~~MUSC 117~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20117)~~,~~[**~~MUSC 118~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20118)~~,~~[**~~MUSC 217~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20217)~~,~~[**~~MUSC 218~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20218)~~; Bachelor of Music with an emphasis in Theory majors must achieve a minimum grade of “~~**~~B~~**~~”~~
3. ~~completion of~~[**~~MUSC 115~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20115)~~and~~[**~~MUSC 215~~**](https://academicbulletins.sc.edu/search/?P=MUSC%20215)~~; Bachelor of Music with an emphasis in Theory majors must achieve a minimum grade of “~~**~~B~~**~~”~~
4. ~~completion of~~[**~~MUSC 100L~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100L)~~;~~
5. ~~for music education majors, completion of the Music Education Practicum (~~[**~~MUED 200~~**](https://academicbulletins.sc.edu/search/?P=MUED%20200)~~);~~
6. ~~for Bachelor of Music students,~~approval of the applied jury to progress to the upper-division courses (MUSC 311 or MUSC 411), as appropriate to the chosen degree program;
7. completion of at least 60 credits with a cumulative grade point average of 2.50 in MUSC and MUED courses and 2.00 in all courses.

Updating Major Requirements

**4. Major Requirements (90-94 hours)**

*A minimum grade of C is required in all major courses.*

**Major Courses (25 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 100**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100) | Music Convocation (Students in all concentrations must complete 2 semesters) | 0 |
| [**MUSC 100A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100A) | Music Advocacy I: Understanding the Power of Your Music | 0 |
| [**MUSC 100L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100L) | Recital Class Laboratory | 1 |
| [**MUSC 117**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20117) | Aural Skills I | 1 |
| [**MUSC 118**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20118) | Aural Skills II | 1 |
| [**MUSC 215**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20215) | Music Theory II | 3 |
| [**MUSC 217**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20217) | Aural Skills III | 1 |
| [**MUSC 218**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20218) | Aural Skills IV | 1 |
| [**MUSC 333**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20333) | Basic Choral and Instrumental Conducting | 2 |
| [**MUSC 353**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20353) | History of Western Music I 1 | 3 |
| [**MUSC 354**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20354) | History of Western Music II | 3 |
| Select one music history course from the following: | | 3 |
| [**MUSC 445**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20445) | Special Topics in Musicology and Ethnomusicology |  |
| [**MUSC 544**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20544) | Topics in Music History |  |
| **MUSC 546** | Black Sacred Music: Local and Global Perspectives |  |
| Select two music theory electives from the following: 2 | | 6 |
| [**MUSC 312**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20312) | Counterpoint |  |
| [**MUSC 313**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20313) | Twentieth-Century Techniques and Materials |  |
| [**MUSC 315**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20315) | Topics in Music Theory |  |
| [**MUSC 319**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20319) | Jazz Theory I 3 |  |
| [**MUSC 320**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20320) | Jazz Theory II 3 |  |
| [**MUSC 515**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20515) | Orchestration |  |
| [**MUSC 518**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20518) | Form and Analysis |  |
| [**MUSC 525**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20525) | Post-Tonal Music Theory |  |
| [**MUSC 526**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20526) | Analytical Studies |  |
| [**MUSC 528**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20528) | Seminar in Music Theory |  |
| **Total Credit Hours** | | **25** |
| Course List | | |

**1** Students in the Jazz Studies Concentration must take [**MUSC 340**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20340) instead.

**2** Courses required or selected to meet concentration requirements (Jazz, Performance, Performance-

Chamber, Composition, Theory) may not also fulfill these Music Theory Electives.

**3** Students in the Jazz Studies Concentration must take [**MUSC 319**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20319) and [**MUSC 320**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20320).

**Concentration (65-69 hours)**

Students must choose one of the following concentrations:

**Composition Concentration (65-68 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 312**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20312) | Counterpoint | 3 |
| [**MUSC 316**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20316) | Music Composition I | 3 |
| [**MUSC 336**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20336) | Introduction to Computer Music | 3 |
| [**MUSC 416**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20416) | Music Composition II | 3 |
| [**MUSC 515**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20515) | Orchestration | 3 |
| [**MUSC 516**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20516) | Composition 1 | 12 |
| [**MUSC 525**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20525) | Post-Tonal Music Theory | 3 |
| [**MUSC 540**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20540) | Projects in Computer Music | 3 |
| **Total Credit Hours** | | **33** |
| Course List | | |

**1** Students take 4 semesters of [**MUSC 516**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20516) (3 credits each semester)

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Fine Arts Elective (3 hours)**

* any non-music Carolina Core approved AIU course

**​**

**Music History and Literature Elective (3 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 500**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20500) | Topics in Performance and Literature | 1-3 |
| [**MUSC 543**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20543) | Song Literature | 3 |
| [**MUSC 544**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20544) | Topics in Music History | 3 |
| [**MUSC 545**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20545) | Survey of the Opera | 3 |
| **MUSC 546** | Black Sacred Music: Local and Global Perspectives | 3 |
| [**MUSC 548**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20548) | Orchestra Literature | 3 |
| [**MUSC 549**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20549) | Survey of Chamber Music | 3 |
| [**MUSC 555**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20555) | World Music | 3 |
| [**MUSC 557**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20557) | American Music | 3 |
| [**MUSC 558**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20558) | Piano Literature I | 3 |
| [**MUSC 559**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20559) | Piano Literature II | 3 |
| [**MUSC 587**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20587) | Repertories of Lute, Vihuela, and Guitar | 3 |
| Course List | | |

**Applied Music Courses (12 hours)**

Applied Music must be completed satisfactorily for a minimum of six semesters & 12 hours of credit.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 111A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111A) - [**MUSC 111Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111Z) 1 | | 8 |
| [**MUSC 311A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20311A) - [**MUSC 311Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20311Z) 2 | | 4 |
| **Total Credit Hours** | | **12** |
| Course List | | |

**1** 8 credits, minimum of 4 semesters

**2** 4 credits, minimum of 2 semesters

**Ensembles (8 hours)**

Students are required to participate in the major ensemble (6-7 semesters) most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor.

Courses which qualify for the Chamber Music requirement (1-2 semesters) include all [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard.

Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour.

**Concentration Electives (6 hours)**

Any MUED or MUSC courses (other than [**MUSC 103**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20103), [**MUSC 104**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20104), [**MUSC 105**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20105), [**MUSC 110**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20110), [**MUSC 113**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20113), [**MUSC 140**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20140), [**MUSC 203**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20203)). Students must complete a minimum of 6 hours of music major electives, including [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156), if needed.

**Jazz Studies Concentration (65-68 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 219**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20219) | Jazz Improvisation I | 3 |
| [**MUSC 220**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20220) | Jazz Improvisation II | 3 |
| [**MUSC 329**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20329) | Jazz Improvisation III | 3 |
| [**MUSC 330**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20330) | Jazz Improvisation IV | 3 |
| [**MUSC 520**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20520) | Studio Arranging and Composition | 3 |
| **Total Credit Hours** | | **15** |
| Course List | | |

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Applied Music Courses (32 hours)**

Applied Music must be completed satisfactorily for a minimum of 32 hours of credit.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 211Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211Z) | Lower Division Applied Music--Performance Track/ Jazz (16 hours, minimum of 4 semesters) | 16 |
| [**MUSC 411Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411Z) | Upper Division Applied Music--Performance Track/ Jazz (16 hours, minimum of 4 semesters) | 16 |
| [**MUSC 400**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20400) | Half Solo Recital | 0 |
| [**MUSC 401**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20401) | Full Solo Recital | 0 |
| **Total Credit Hours** | | **32** |
| Course List | | |

Note: The half solo recital is required in the junior year and a full solo recital is required in the senior year.

**Ensembles (8 hours)**

Students must declare a primary instrument upon acceptance into the program. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour.  Ensemble requirements are as follows:

* **Wind Instrument:** 6 semesters of [**MUSC 131**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20131) and 2 semesters of [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z).
* **Rhythm Section Instrument:** 2 semesters of [**MUSC 131**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20131), 2 semesters of [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z), and 4 semesters chosen from [**MUSC 135C**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20135C), [**MUSC 131**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20131), or [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z).

**Concentration Electives (10 hours)**

Any MUED or MUSC courses (other than [**MUSC 103**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20103), [**MUSC 104**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20104), [**MUSC 105**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20105), [**MUSC 110**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20110), [**MUSC 113**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20113), [**MUSC 140**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20140), [**MUSC 203**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20203)). Students must complete a minimum of 10 hours of music major electives, including [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156), if needed.

**Music Education Concentrations-Choral and Instrumental (69 hours)**

**Professional Education Courses (22 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUED 200**](https://uscbulletins-next.sc.edu/search/?P=MUED%20200) | Music Education Practicum | 1 |
| [**EDPY 401**](https://uscbulletins-next.sc.edu/search/?P=EDPY%20401) | Learners and the Diversity of Learning | 3 |
| [**EDTE 201**](https://uscbulletins-next.sc.edu/search/?P=EDTE%20201) | Issues and Trends in Teaching and Learning | 3 |
| [**EDRD 500**](https://uscbulletins-next.sc.edu/search/?P=EDRD%20500) | Content Area Literacy PK-12 | 3 |
| or [**EDEX 581**](https://uscbulletins-next.sc.edu/search/?P=EDEX%20581) | Teaching Reading in the Content Area to Adolescents with Reading Disabilities | |
| [**MUED 477**](https://uscbulletins-next.sc.edu/search/?P=MUED%20477) | Directed Teaching (Music) | 12 |
| **Total Credit Hours** | | **22** |
| Course List | | |

**Applied Music-Primary Instrument (14 hours)**

Primary Applied Lessons must be completed satisfactorily for a minimum of 7 semesters & 14 hours of credit.

**Primary Applied Lessons**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 111A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111A) - [**MUSC 111Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111Z) 1 | | 8-10 |
| [**MUSC 311A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20311A) - [**MUSC 311Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20311Z) 2 | | 4-6 |
| Course List | | |

**1** 8-10 credits, minimum of 4 semesters

**2** 4-6 credits, minimum of 2 semesters

**Emphasis (33 hours)**

Choose either Choral or Instrumental.

**Choral (33 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 278**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20278) | Introduction to Singer's Diction | 2 |
| [**MUSC 335**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20335) | Choral Conducting | 2 |
| [**MUSC 577**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20577) | Vocal Pedagogy | 2 |
| **Music Education Courses** | |  |
| [**MUED 107**](https://uscbulletins-next.sc.edu/search/?P=MUED%20107) | Classroom Instruments | 1 |
| [**MUED 335L**](https://uscbulletins-next.sc.edu/search/?P=MUED%20335L) | Choral Literature Lab II | 1 |
| [**MUED 359**](https://uscbulletins-next.sc.edu/search/?P=MUED%20359) | Instrumental Techniques for Choral Majors | 2 |
| [**MUED 465**](https://uscbulletins-next.sc.edu/search/?P=MUED%20465) | General Music in Elementary Schools | 2 |
| [**MUED 465P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20465P) | Practicum in Elementary Music | 1 |
| [**MUED 467**](https://uscbulletins-next.sc.edu/search/?P=MUED%20467) | Choral Methods and Materials | 3 |
| [**MUED 467P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20467P) | Practicum in Choral Music | 1 |
| **Applied Music-Secondary Instrument** | |  |
| Students must complete the requirements of an area of Secondary Applied Lessons from below. | | 8 |
| Voice Principal: | |  |
| [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) | Group Piano |  |
| [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156) | Group Piano |  |
| [**MUED 355**](https://uscbulletins-next.sc.edu/search/?P=MUED%20355) | Advanced Group Piano |  |
| [**MUED 356**](https://uscbulletins-next.sc.edu/search/?P=MUED%20356) | Advanced Group Piano |  |
| Keyboard Principal: | |  |
| [**MUED 165**](https://uscbulletins-next.sc.edu/search/?P=MUED%20165) | Class Voice (Basic) |  |
| [**MUED 166**](https://uscbulletins-next.sc.edu/search/?P=MUED%20166) | Class Voice (Basic) |  |
| [**MUED 265**](https://uscbulletins-next.sc.edu/search/?P=MUED%20265) | Class Voice (Intermediate) |  |
| [**MUED 266**](https://uscbulletins-next.sc.edu/search/?P=MUED%20266) | Class Voice (Intermediate) |  |
| **Ensembles** | |  |
| Select seven semesters of major ensemble from the following: | | 7 |
| [**MUSC 125**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20125) | University Concert Choir |  |
| [**MUSC 129**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20129) | University Chorus |  |
| [**MUSC 130A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130A) - [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z) 1 | | 1 |
| **Total Credit Hours** | | **33** |
| Course List | | |

**1** One semester of chamber music with suffix A-Z. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour.

**Instrumental (33 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 334**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20334) | Instrumental Conducting | 2 |
| **Music Education Courses** | |  |
| [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) | Group Piano | 2 |
| [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156) | Group Piano | 2 |
| [**MUED 165**](https://uscbulletins-next.sc.edu/search/?P=MUED%20165) | Class Voice (Basic) | 2 |
| Select one of the following: | | 3 |
| [**MUED 465**](https://uscbulletins-next.sc.edu/search/?P=MUED%20465) & [**465P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20465P) | General Music in Elementary Schools and Practicum in Elementary Music |  |
| [**MUED 454**](https://uscbulletins-next.sc.edu/search/?P=MUED%20454) | Music for Young Children |  |
| **Instrument** | |  |
| Select one of the following: | | 22 |
| Percussion: | |  |
| [**MUED 105A**](https://uscbulletins-next.sc.edu/search/?P=MUED%20105A) - [**MUED 105P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20105P) 1 | | 5 |
| or [**MUED 106A**](https://uscbulletins-next.sc.edu/search/?P=MUED%20106A) - [**MUED 106D**](https://uscbulletins-next.sc.edu/search/?P=MUED%20106D) 1 | |  |
| [**MUED 358**](https://uscbulletins-next.sc.edu/search/?P=MUED%20358) | Strings |  |
| [**MUED 360P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20360P) | Percussion Practicum |  |
| [**MUED 551**](https://uscbulletins-next.sc.edu/search/?P=MUED%20551) | The Middle School Band |  |
| [**MUED 552**](https://uscbulletins-next.sc.edu/search/?P=MUED%20552) | The High School Band |  |
| [**MUED 568**](https://uscbulletins-next.sc.edu/search/?P=MUED%20568) | Organization and Administration of Music Programs |  |
| Ensembles (8 semesters) | |  |
| [**MUSC 123**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20123) | The Marching Band (minimum of two semesters) |  |
| [**MUSC 124**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20124) | Symphonic Winds (minimum of three semesters) |  |
| or [**MUSC 133**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20133) | Wind Ensemble | |
| [**MUSC 130A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130A) - [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z) 2 | |  |
| Strings: | |  |
| [**MUSC 101A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20101A)-[**MUSC 101D**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20101D) | |  |
| [**MUED 104**](https://uscbulletins-next.sc.edu/search/?P=MUED%20104) | Secondary Strings (Three semesters) |  |
| [**MUED 360**](https://uscbulletins-next.sc.edu/search/?P=MUED%20360) | Percussion Techniques |  |
| [**MUED 533**](https://uscbulletins-next.sc.edu/search/?P=MUED%20533) | Orchestra Methods I |  |
| [**MUED 533P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20533P) | Practicum in Orchestra Methods I |  |
| [**MUED 534**](https://uscbulletins-next.sc.edu/search/?P=MUED%20534) | Orchestra Methods II |  |
| [**MUED 534P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20534P) | Practicum in Orchestra Methods II |  |
| [**MUED 551**](https://uscbulletins-next.sc.edu/search/?P=MUED%20551) | The Middle School Band |  |
| Ensembles | |  |
| [**MUSC 126**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20126) | University Orchestra (minimum of six semesters) |  |
| [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) | Ensemble 2 |  |
| [**MUSC 130A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130A) - [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z) 3 | |  |
| Winds: | |  |
| [**MUED 105A**](https://uscbulletins-next.sc.edu/search/?P=MUED%20105A) - [**MUED 105P**](https://uscbulletins-next.sc.edu/search/?P=MUED%20105P) 3 | |  |
| or [**MUED 106A**](https://uscbulletins-next.sc.edu/search/?P=MUED%20106A) - [**MUED 106D**](https://uscbulletins-next.sc.edu/search/?P=MUED%20106D) 3 | |  |
| [**MUED 358**](https://uscbulletins-next.sc.edu/search/?P=MUED%20358) | Strings |  |
| [**MUED 360**](https://uscbulletins-next.sc.edu/search/?P=MUED%20360) | Percussion Techniques |  |
| [**MUED 551**](https://uscbulletins-next.sc.edu/search/?P=MUED%20551) | The Middle School Band |  |
| [**MUED 552**](https://uscbulletins-next.sc.edu/search/?P=MUED%20552) | The High School Band |  |
| [**MUED 568**](https://uscbulletins-next.sc.edu/search/?P=MUED%20568) | Organization and Administration of Music Programs |  |
| Ensembles | |  |
| [**MUSC 123**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20123) | The Marching Band (minimum of one semester for bassoon and oboe, minimum of two semesters all other instruments) |  |
| [**MUSC 124**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20124) | Symphonic Winds (minimum of three semesters) |  |
| or [**MUSC 133**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20133) | Wind Ensemble | |
| [**MUSC 130A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130A) - [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z) 2 | |  |
| **Total Credit Hours** | | **38** |
| Course List | | |

**1** Five semesters

**2** Minimum of one semester with suffix A-Z. Students enrolling in an ensemble to fulfill a degree

requirement must register for at least 1 credit hour.

**3** Four semesters

**Performance Concentration (65-68 hours)**

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Fine Arts Elective (3 hours)**

* any non-music Carolina Core approved AIU course

**Theory, History, and Literature Electives (9 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one Theory Elective from the courses below: | | 3 |
| [**MUSC 312**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20312) | Counterpoint |  |
| [**MUSC 313**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20313) | Twentieth-Century Techniques and Materials |  |
| [**MUSC 315**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20315) | Topics in Music Theory |  |
| [**MUSC 319**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20319) | Jazz Theory I |  |
| [**MUSC 320**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20320) | Jazz Theory II |  |
| [**MUSC 515**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20515) | Orchestration |  |
| [**MUSC 518**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20518) | Form and Analysis |  |
| [**MUSC 525**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20525) | Post-Tonal Music Theory |  |
| [**MUSC 526**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20526) | Analytical Studies |  |
| [**MUSC 528**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20528) | Seminar in Music Theory |  |
| Students must complete the literature course(s) in applied area when available. Select two courses from the following: | | 6 |
| [**MUSC 500**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20500) | Topics in Performance and Literature |  |
| [**MUSC 523**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20523) | Techniques and Materials of Tonal Music |  |
| [**MUSC 526**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20526) | Analytical Studies |  |
| [**MUSC 528**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20528) | Seminar in Music Theory |  |
| [**MUSC 543**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20543) | Song Literature |  |
| [**MUSC 544**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20544) | Topics in Music History |  |
| [**MUSC 545**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20545) | Survey of the Opera |  |
| **MUSC 546** | Black Sacred Music: Local and Global Perspectives |  |
| [**MUSC 548**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20548) | Orchestra Literature |  |
| [**MUSC 549**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20549) | Survey of Chamber Music |  |
| [**MUSC 555**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20555) | World Music |  |
| [**MUSC 557**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20557) | American Music |  |
| [**MUSC 558**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20558) | Piano Literature I |  |
| [**MUSC 559**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20559) | Piano Literature II |  |
| [**MUSC 587**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20587) | Repertories of Lute, Vihuela, and Guitar |  |
| **Total Credit Hours** | | **9** |
| Course List | | |

**Applied Music Courses (32 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 211A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211A) - [**MUSC 211Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211Z) 1 | | 16 |
| [**MUSC 400**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20400) | Half Solo Recital 2 | 0 |
| [**MUSC 401**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20401) | Full Solo Recital 2 | 0 |
| [**MUSC 411A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411A) - [**MUSC 411Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411Z) 1 | | 16 |
| **Total Credit Hours** | | **32** |
| Course List | | |

**1** 16 credits, minimum of 4 semesters

**2** The half solo recital is required in the junior year and a full solo recital is required in the senior year.

**Ensembles (8 hours)**

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour. Ensemble requirements are (in semesters):

* **Guitar:** 2 major (usually choral), 6 guitar ensembles
* **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
* **Organ:** 4 major (usually choral), 4 accompanying
* **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
* **String:** 6 orchestra, 2 chamber
* **Voice:** 6 major, 2 opera workshop
* **Wind/Percussion:** 6 major 2 chamber

**Concentration Electives (13 hours)**

Any MUED or MUSC courses (other than [**MUSC 103**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20103), [**MUSC 104**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20104),[**MUSC 105**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20105), [**MUSC 110**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20110), [**MUSC 113**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20113), [**MUSC 140**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20140), [**MUSC 203**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20203)). Students must complete a pedagogy course in applied area when available. Students must complete a minimum of 13 hours of music major electives, including [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156), if needed. Students whose primary instrument is voice must complete [**MUSC 570**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20570), [**MUSC 578**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20578), and [**MUSC 579**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20579). Students whose primary instrument is piano must complete [**MUSC 573**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573), [**MUSC 573L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573L), [**MUSC 574**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20574), and [**MUSC 574L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20574L). Students whose primary instrument is guitar must complete [**MUSC 573**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573) and [**MUSC 587**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20587).

**Performance-Chamber Music Concentration (65-68 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 592**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20592) | 21st Century Performer | 3 |
| **Total Credit Hours** | | **3** |
| Course List | | |

**Music Theory Elective (3 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one of the following: | | 3 |
| [**MUSC 312**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20312) | Counterpoint |  |
| [**MUSC 313**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20313) | Twentieth-Century Techniques and Materials |  |
| [**MUSC 315**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20315) | Topics in Music Theory |  |
| [**MUSC 319**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20319) | Jazz Theory I |  |
| [**MUSC 320**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20320) | Jazz Theory II |  |
| [**MUSC 515**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20515) | Orchestration |  |
| [**MUSC 518**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20518) | Form and Analysis |  |
| [**MUSC 525**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20525) | Post-Tonal Music Theory |  |
| [**MUSC 526**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20526) | Analytical Studies |  |
| [**MUSC 528**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20528) | Seminar in Music Theory |  |
| **Total Credit Hours** | | **3** |
| Course List | | |

**Chamber Music Elective (0-3 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one of the following: | | 0-3 |
| [**MUSC 130A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130A) - [**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z) (three hours) | |  |
| [**MUSC 580**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20580) | Music & Arts Entrepreneurship |  |
| [**MUSC 591**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20591) | Music Leadership Practicum |  |
| [**MUSC 593**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20593) | Arts Marketing |  |
| [**MUSC 594**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20594) | Independent Music Teaching Business |  |
| **Total Credit Hours** | | **0-3** |
| Course List | | |

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Applied Music Courses (32 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 211A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211A) - [**MUSC 211Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211Z) 1 | | 16 |
| [**MUSC 411A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411A) - [**MUSC 411Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411Z) 1 | | 16 |
| [**MUSC 400**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20400) | Half Solo Recital 2 | 0 |
| [**MUSC 401**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20401) | Full Solo Recital 2 | 0 |
| [**MUSC 402**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20402) | Curiosity Project 2 | 0 |
| **Total Credit Hours** | | **32** |
| Course List | | |

**1** 16 hours, a minimum of 4 semesters

**2** After advancing to the upper division of applied study, students will participate in a Curiosity Project. A half recital is required in the junior year, and will include program notes, a professional head shot and short biography prepared by the student. A full recital involving a secondary focus is required in the senior year. A senior jury project is required in the non-recital semester of the senior year. The project will include high quality audio and video recordings as well as an electronic press kit.

**Ensembles (11-14 hours)**

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour. Ensemble requirements are (in semesters):

* **Guitar:** 2 major (usually choral), 6 guitar
* **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
* **Organ:** 4 major (usually choral), 4 accompanying
* **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
* **String:** 6 orchestra, 2 chamber
* **Voice:** 6 major, 2 opera workshop
* **Wind/Percussion:** 6 major 2 chamber
* [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) Ensemble with suffix A-Z (3-6 semesters of additional chamber music)

**Chamber Music Concentration Electives (13 hours)**

Students must complete a minimum of 13 hours of music major electives, including [**MUSC 399**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20399) (2 credits) and [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156), if needed. Students whose primary instrument is voice must complete [**MUSC 278**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20278), [**MUSC 577**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20577), and [**MUSC 543**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20543) or [**MUSC 545**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20545). Students whose primary instrument is piano must complete [**MUSC 573**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573), [**MUSC 573L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573L), and [**MUSC 558**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20558) or [**MUSC 559**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20559). Students must complete a pedagogy course in applied area when available.

**Performance - Music ~~Performance-Music~~ Entrepreneurship Concentration (65-68 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 580**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20580) | Music & Arts Entrepreneurship | 3 |
| [**MUSC 582**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20582) | Music and Money | 3 |
| [**MUSC 591**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20591) | Music Leadership Practicum | 3 |
| **Total Credit Hours** | | **9** |
| Course List | | |

**Music Entrepreneurship Elective (3 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one of the following: | | 3 |
| [**MUSC 592**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20592) | 21st Century Performer |  |
| [**MUSC 593**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20593) | Arts Marketing |  |
| [**MUSC 594**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20594) | Independent Music Teaching Business |  |
| **Total Credit Hours** | | **3** |
| Course List | | |

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Applied Music Courses (32 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 211A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211A) - [**MUSC 211Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211Z) 1 | | 16 |
| [**MUSC 411A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411A) - [**MUSC 411Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411Z) 1 | | 16 |
| [**MUSC 400**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20400) | Half Solo Recital 2 | 0 |
| [**MUSC 401**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20401) | Full Solo Recital 2 | 0 |
| [**MUSC 402**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20402) | Curiosity Project 2 | 0 |
| **Total Credit Hours** | | **32** |
| Course List | | |

**1** 16 hours, a minimum of 4 semesters

**2** After advancing to the upper division of applied study, students will participate in a Curiosity Project. A half recital is required in the junior year, and will include program notes, a professional head shot and short biography prepared by the student. A full recital involving a secondary focus is required in the senior year. A senior jury project is required in the non-recital semester of the senior year. The project will include high quality audio and video recordings as well as an electronic press kit.

**Ensembles (8 hours)**

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour. Ensemble requirements are (in semesters):

* **Guitar:** 2 major (usually choral), 6 guitar
* **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
* **Organ:** 4 major (usually choral), 4 accompanying
* **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
* **String:** 6 orchestra, 2 chamber
* **Voice:** 6 major, 2 opera workshop
* **Wind/Percussion:** 6 major 2 chamber

**Concentration Electives (13 hours)**

Students must complete a pedagogy course in applied area when available. Students must complete a minimum of 13 hours of music major electives, including [**MUSC 399**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20399) (2 credits) and [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156), if needed. Students whose primary instrument is voice must complete [**MUSC 570**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20570), [**MUSC 578**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20578), and [**MUSC 579**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20579). Students whose primary instrument is piano must complete [**MUSC 573**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573), [**MUSC 573L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573L), [**MUSC 574**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20574), and [**MUSC 574L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20574L). Students whose primary instrument is guitar must complete [**MUSC 573**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573) and [**MUSC 587**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20587).

**Performance-Music Technology Concentration (65-68 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 336**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20336) | Introduction to Computer Music | 3 |
| **Total Credit Hours** | | **3** |
| Course List | | |

**Music Technology Electives (9 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select nine hours of the following: | | 9 |
| [**MUSC 365**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20365) | An Introduction to Audio Recording Techniques |  |
| [**MUSC 540**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20540) | Projects in Computer Music |  |
| [**MUSC 565**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20565) | Advanced Audio Recording Techniques |  |
| [**MUSC 580**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20580) | Music & Arts Entrepreneurship |  |
| **Total Credit Hours** | | **9** |
| Course List | | |

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Applied Music Courses (32 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 211A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211A) - [**MUSC 211Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211Z) 1 | | 16 |
| [**MUSC 411A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411A) - [**MUSC 411Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411Z) 1 | | 16 |
| [**MUSC 400**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20400) | Half Solo Recital 2 | 0 |
| [**MUSC 401**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20401) | Full Solo Recital 2 | 0 |
| [**MUSC 402**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20402) | Curiosity Project 2 | 0 |
| **Total Credit Hours** | | **32** |
| Course List | | |

**1** 16 hours, a minimum of 4 semesters

**2** After advancing to the upper division of applied study, students will participate in a Curiosity Project. A half recital is required in the junior year, and will include program notes, a professional head shot and short biography prepared by the student. A full recital involving a secondary focus is required in the senior year. A senior jury project is required in the non-recital semester of the senior year. The project will include high quality audio and video recordings as well as an electronic press kit.

**Ensembles (8 hours)**

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour. Ensemble requirements are (in semesters):

* **Guitar:** 2 major (usually choral), 6 guitar
* **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
* **Organ:** 4 major (usually choral), 4 accompanying
* **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
* **String:** 6 orchestra, 2 chamber
* **Voice:** 6 major, 2 opera workshop
* **Wind/Percussion:** 6 major 2 chamber

**Concentration Electives (13 hours)**

Students must complete a pedagogy course in applied area when available. Students must complete a minimum of 13 hours of music major electives, including [**MUSC 399**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20399) (2 credits) and [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156), if needed. Students whose primary instrument is voice must complete [**MUSC 570**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20570), [**MUSC 578**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20578), and [**MUSC 579**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20579). Students whose primary instrument is piano must complete [**MUSC 573**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573), [**MUSC 573L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573L), [**MUSC 574**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20574), and [**MUSC 574L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20574L). Students whose primary instrument is guitar must complete [**MUSC 573**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20573) and [**MUSC 587**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20587).

**Performance-Teaching Artistry Concentration (65-68 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **MUSC 560** | Introduction to Teaching Artistry | 3 |
| **MUSC 561** | Teaching Methods and Practicum for Teaching Artists | 3 |
| **Total Credit Hours** | | **6** |
| Course List | | |

**Teaching Artistry Electives (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select two of the following: | | 6 |
| **EDFI 300** | Schools in Communities |  |
| **EDPY 401** | Learners and the Diversity of Learning |  |
| **MUED 454** | Music for Young Children |  |
| **MUSC 580** | Music & Arts Entrepreneurship |  |
| **MUSC 584** | Workshop in Music |  |
| **MUSC 594** | Independent Music Teaching Business |  |
| **Total Credit Hours** | | **6** |
| Course List | | |

**1** When the topic aligns with Teaching Artistry.

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Applied Music Courses (32 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **MUSC 211A – MUSC 211Z1** | | 16 |
| **MUSC 411A – MUSC 411Z1** | | 16 |
| **MUSC 400** | Half Solo Recital 2 | 0 |
| **MUSC 401** | Full Solo Recital 2 | 0 |
| **MUSC 402** | Curiosity Project 2 | 0 |
| **Total Credit Hours** | | **32** |
| Course List | | |

**1** 16 hours, a minimum of 4 semesters

**2** After advancing to the upper division of applied study, students will participate in a Curiosity Project. A half recital is required in the junior year, and will include program notes, a professional head shot and short biography prepared by the student. A full recital involving a secondary focus is required in the senior year. A senior jury project is required in the non-recital semester of the senior year. The project will include high quality audio and video recordings as well as an electronic press kit.

**Ensembles (8 hours)**

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all **MUSC 130** courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour. Ensemble requirements are (in semesters):

* **Guitar:** 2 major (usually choral), 6 guitar
* **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
* **Organ:** 4 major (usually choral), 4 accompanying
* **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
* **String:** 6 orchestra, 2 chamber
* **Voice:** 6 major, 2 opera workshop
* **Wind/Percussion:** 6 major 2 chamber

**Concentration Electives (13 hours)**

Students must complete a pedagogy course in applied area when available. Students must complete a minimum of 13 hours of music major electives, including **MUSC 399** (2 credits) and **MUED 155** & **MUED 156**, if needed. Students whose primary instrument is voice must complete **MUSC 570**, **MUSC 578**, and **MUSC 579**. Students whose primary instrument is piano must complete **MUSC 573**, **MUSC 573L**, **MUSC** **574**, and **MUSC 574L**. Students whose primary instrument is guitar must complete **MUSC 573** and **MUSC** **587**.

**Theory Concentration (65-68 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 312**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20312) | Counterpoint | 3 |
| [**MUSC 313**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20313) | Twentieth-Century Techniques and Materials | 3 |
| or [**MUSC 525**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20525) | Post-Tonal Music Theory | |
| [**MUSC 316**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20316) | Music Composition I | 3 |
| [**MUSC 518**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20518) | Form and Analysis | 3 |
| Select 3 courses from the following: | | 9 |
| [**MUSC 313**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20313) | Twentieth-Century Techniques and Materials |  |
| or [**MUSC 525**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20525) | Post-Tonal Music Theory | |
| [**MUSC 315**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20315) | Topics in Music Theory |  |
| [**MUSC 319**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20319) | Jazz Theory I |  |
| [**MUSC 320**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20320) | Jazz Theory II |  |
| [**MUSC 515**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20515) | Orchestration |  |
| [**MUSC 526**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20526) | Analytical Studies |  |
| [**MUSC 528**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20528) | Seminar in Music Theory |  |
| **Total Credit Hours** | | **21** |
| Course List | | |

**Foreign Language (0-3 hours)**

* Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

**Fine Arts Elective (3 hours)**

* any non-music Carolina Core approved AIU course

**Music History and Literature Elective (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select two of the following: | | 6 |
| [**MUSC 543**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20543) | Song Literature |  |
| [**MUSC 544**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20544) | Topics in Music History |  |
| [**MUSC 545**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20545) | Survey of the Opera |  |
| **MUSC 546** | Black Sacred Music: Local and Global Perspectives |  |
| [**MUSC 548**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20548) | Orchestra Literature |  |
| [**MUSC 549**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20549) | Survey of Chamber Music |  |
| [**MUSC 555**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20555) | World Music |  |
| [**MUSC 557**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20557) | American Music |  |
| [**MUSC 558**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20558) | Piano Literature I |  |
| [**MUSC 559**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20559) | Piano Literature II |  |
| [**MUSC 587**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20587) | Repertories of Lute, Vihuela, and Guitar |  |
| Course List | | |

**Technology Elective (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one of the following: | | 6 |
| [**MUSC 336**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20336) | Introduction to Computer Music |  |
| [**MUSC 365**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20365) | An Introduction to Audio Recording Techniques |  |
| [**MUSC 540**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20540) | Projects in Computer Music |  |
| [**MUSC 565**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20565) | Advanced Audio Recording Techniques |  |
| [**MUSC 571**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20571) | Digital Audio Technology |  |
| **Total Credit Hours** | | **6** |
| Course List | | |

**Applied Music Courses (12 hours)**

Applied Music must be completed satisfactorily for a minimum of six semesters & 12 hours of credit.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 111A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111A) - [**MUSC 111Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111Z) 1 | | 8 |
| or [**MUSC 211A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211A) - [**MUSC 211Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211Z) 1 | |  |
| [**MUSC 311A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20311A) - [**MUSC 311Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20311Z) 2 | | 4 |
| or [**MUSC 411A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411A) - [**MUSC 411Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20411Z) 2 | |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**1** 8 credits, minimum of four semesters

**2** 4 hours, minimum of two semesters

**Ensembles (8 hours)**

Students are required to participate in the major ensemble (6-7 semesters) most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor.

Courses which qualify for the Chamber Music requirement (1-2 semesters) include all [**MUSC 130**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130) courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard.

Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour.

**Concentration Electives (9 hours)**

Any MUED or MUSC courses (other than [**MUSC 103**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20103), [**MUSC 104**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20104), [**MUSC 105**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20105), [**MUSC 110**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20110), [**MUSC 113**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20113), [**MUSC 140**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20140), [**MUSC 203**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20203)).Students must complete a minimum of 9 hours of music major electives, including [**MUED 155**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) & [**MUED 156**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156), if needed.

* 1. **Music Industry Studies, B.S.**

Updating Degree Requirements

**Degree Requirements (120 ~~(121~~ hours)**

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 32-44 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 0-7 |
| 4. Major Requirements | 81 |
| Program Summary | |

Updating Major Requirements

**4. Major Requirements (81 ~~(82~~ hours)**

*A minimum grade of C is required in all major courses.*

**Major Courses (72 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 100**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100) | Music Convocation (must complete 2 semesters with a grade of satisfactory) | 0 |
| [**MUSC 100A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100A) | Music Advocacy I: Understanding the Power of Your Music | 0 |
| [**MUSC 100L**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100L) | Recital Class Laboratory | 1 |
| [**MUSC 150**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20150) | Music Industry Convocation 1 | 0 |
| **Musicianship** | |  |
| **MUSC 113** | Special Topics in Popular Music | 3 |
| **Or MUSC 140** | Jazz and American Popular Music | |
| **MUSC 115** | Music Theory I | 3 |
| **MUSC 215** | Music Theory II | 3 |
| **MUSC 117** | Aural Skills I | 1 |
| **MUSC 118** | Aural Skills II | 1 |
| **MUSC 210** | Understanding the Psychology of Music | 3 |
| **MUSC 230** | Introduction to Beat Making and Digital Audio Production | 3 |
| **Or MUSC 231** | Introduction to Digital Music Creation | |
| **Applied Music Courses** | |  |
| **MUSC 104** | Introduction to Piano | 2 |
| Select 3 courses from the following: | | 6 |
| **MUSC 165** | Class Voice (Basic) |  |
| **MUSC 265** | Class Voice (Intermediate) |  |
| **MUSC 101A-MUSC 101Z; MUSC 111A-MUSC 111Z; MUSC 211A-MUSC 211Z** | |  |
| **MUSC 103** | Basic Guitar |  |
| **MUSC 105** | Introduction to Singing |  |
| **MUSC 203** | Basic Guitar II |  |
| **Ensembles** | |  |
| Students are required to participate in an ensemble for 4 semesters. Major ensembles require an audition for membership. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour. | |  |
| Select 4 semesters of Music Ensemble from the following: | | 4 |
| **MUSC 123** | The Marching Band |  |
| **MUSC 124** | Symphonic Winds |  |
| **MUSC 125** | University Concert Choir |  |
| **MUSC 126** | University Orchestra |  |
| **MUSC 129** | University Chorus |  |
| **MUSC 130A-MUSC 130Z** | |  |
| **MUSC 131** | Jazz Ensemble |  |
| **MUSC 133** | Wind Ensemble |  |
| **MUSC 134** | Ensemble - Chamber Orchestra |  |
| **MUSC 135B-MUSC 135E** | |  |
| **Music Industry Courses** | |  |
| **ECON 224** | Introduction to Economics | 3 |
| **MUSC 305** | Introduction to Music Industry Studies | 3 |
| **MUSC 365** | An Introduction to Audio Recording Techniques | 3 |
| **MUSC 498** | Music Industry Capstone | 3 |
| **MUSC 582** | Music and Money | 3 |
| **MUSC 593** | Arts Marketing | 3 |
| **SPTE 202** | Introduction to Live Entertainment Management | 3 |
| **SPTE 240** | Business Law | 3 |
| **SPTE 302** | Artist Representation and Management | 3 |
| **SPTE 303** | Live Entertainment Tour Management | 3 |
| **Total Credit Hours** | | **60** |
| Course List | | |

**1** Must complete 5 semesters

**Additional Hours for Music Industry Studies Major if no Concentration Selected (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select One of the following courses: | | 3 |
| MUSC 496 | Course MUSC 496 Not Found |  |
| MUSC 497 | Course MUSC 497 Not Found |  |
| **MUSC 498** | Music Industry Capstone |  |
| **MUSC 565** | Advanced Audio Recording Techniques | 3 |
| Select one: | | 3 |
| **MUSC 566** | Fundamentals of Sound Use for Media |  |
| **MUSC 567** | Recording Studio Techniques |  |
| **MUSC 590** | Seminar in Music Industry | 3 |
| **Total Credit Hours** | | **12** |
| Course List | | |

**~~Musicianship (17 hours)~~**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~MUSC 113~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20113) | ~~Special Topics in Popular Music~~ | ~~3~~ |
| ~~or~~[**~~MUSC 140~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20140) | ~~Jazz and American Popular Music~~ | |
| [**~~MUSC 115~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20115) | ~~Music Theory I~~ | ~~3~~ |
| [**~~MUSC 215~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20215) | ~~Music Theory II~~ | ~~3~~ |
| [**~~MUSC 117~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20117) | ~~Aural Skills I~~ | ~~1~~ |
| [**~~MUSC 118~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20118) | ~~Aural Skills II~~ | ~~1~~ |
| [**~~MUSC 210~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20210) | ~~Understanding the Psychology of Music~~ | ~~3~~ |
| [**~~MUSC 230~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20230) | ~~Introduction to Beat Making and Digital Audio Production~~ | ~~3~~ |
| ~~or~~[**~~MUSC 231~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20231) | ~~Introduction to Digital Music Creation~~ | |
| **~~Total Credit Hours~~** | | **0** |
| Course List | | |

**~~Applied Music Courses (8 hours)~~**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~MUSC 104~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20104) | ~~Introduction to Piano~~ | ~~2~~ |
| ~~Select 3 courses from the following:~~ | | ~~6~~ |
| [**~~MUED 155~~**](https://uscbulletins-next.sc.edu/search/?P=MUED%20155) | ~~Group Piano~~ |  |
| [**~~MUED 156~~**](https://uscbulletins-next.sc.edu/search/?P=MUED%20156) | ~~Group Piano~~ |  |
| [**~~MUED 165~~**](https://uscbulletins-next.sc.edu/search/?P=MUED%20165) | ~~Class Voice (Basic)~~ |  |
| [**~~MUED 265~~**](https://uscbulletins-next.sc.edu/search/?P=MUED%20265) | ~~Class Voice (Intermediate)~~ |  |
| [**~~MUSC 101A~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20101A)~~-~~[**~~MUSC 101Z~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20101Z)~~;~~[**~~MUSC 111A~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111A)~~-~~[**~~MUSC 111Z~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20111Z)~~;~~[**~~MUSC 211A~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211A)~~-~~[**~~MUSC 211Z~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20211Z) | |  |
| [**~~MUSC 103~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20103) | ~~Basic Guitar~~ |  |
| [**~~MUSC 105~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20105) | ~~Introduction to Singing~~ |  |
| [**~~MUSC 203~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20203) | ~~Basic Guitar II~~ |  |
| **Total Credit Hours** | | **~~0~~** |
| Course List | | |

**~~Ensembles (4 hours)~~**

~~Students are required to participate in an ensemble for 4 semesters. Major ensembles require an audition for membership. Students enrolling in an ensemble to fulfill a degree requirement must register for at least 1 credit hour.~~

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| ~~Select 4 semesters of Music Ensemble from the following:~~ | | ~~4~~ |
| [**~~MUSC 123~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20123) | ~~The Marching Band~~ |  |
| [**~~MUSC 124~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20124) | ~~Symphonic Winds~~ |  |
| [**~~MUSC 125~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20125) | ~~University Concert Choir~~ |  |
| [**~~MUSC 126~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20126) | ~~University Orchestra~~ |  |
| [**~~MUSC 129~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20129) | ~~University Chorus~~ |  |
| [**~~MUSC 130A~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130A)~~-~~[**~~MUSC 130Z~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z) | |  |
| [**~~MUSC 131~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20131) | ~~Jazz Ensemble~~ |  |
| [**~~MUSC 133~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20133) | ~~Wind Ensemble~~ |  |
| [**~~MUSC 134~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20134) | ~~Ensemble - Chamber Orchestra~~ |  |
| [**~~MUSC 135B~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20135B)~~-~~[**~~MUSC 135E~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20135E) | |  |
| **~~Total Credit Hours~~** | | **~~0~~** |
| Course List | | |

**Major ~~Music~~ Electives (9 ~~(6~~ hours)**

Students must complete a minimum of 9 ~~6~~ hours of music major electives.

* any MUSC or MUED courses

**Concentrations (12 hours) *optional***

Students may choose to complete a concentration in place of the 12 hours of Additional Music Industry Studies Courses.

**Audio Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **MUSC 366** | Introduction to Live Audio Techniques | 3 |
| **MUSC 565** | Advanced Audio Recording Techniques | 3 |
| **MUSC 567** | Recording Studio Techniques | 3 |
| **MUSC 498** | Music Industry Capstone | 3 |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Live Promotion Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **MUSC 366** | Introduction to Live Audio Techniques | 3 |
| MUSC 385 | Course MUSC 385 Not Found | 3 |
| MUSC 495 | Course MUSC 495 Not Found | 3 |
| MUSC 497 | Course MUSC 497 Not Found | 3 |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Record Label Concentration (12 hours)**

| **Course** |  | | **Title** | **Credits** |
| --- | --- | --- | --- | --- |
| MUSC 385 |  | | Course MUSC 385 Not Found | 3 |
| **MUSC 496** |  | | Course MUSC 496 Not Found | 3 |
| **MUSC 588** |  | | Business of Music | 3 |
| **SPTE 342** |  | | Sport and Entertainment Contracts and Negotiations | 3 |
|  | | **Total Credit Hours** | | **12** |
|  | | Course List | | |

**~~Music Industry (46 hours)~~**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**~~ECON 224~~**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | ~~Introduction to Economics~~ | ~~3~~ |
| [**~~MGMT 371~~**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | ~~Principles of Management~~ | ~~3~~ |
| [**~~MUSC 305~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20305) | ~~Introduction to Music Industry Studies~~ | ~~1~~ |
| [**~~MUSC 365~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20365) | ~~An Introduction to Audio Recording Techniques~~ | ~~3~~ |
| [**~~MUSC 498~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20498) | ~~Music Industry Capstone~~ | ~~6~~ |
| [**~~MUSC 565~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20565) | ~~Advanced Audio Recording Techniques~~ | ~~3~~ |
| [**~~MUSC 566~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20566) | ~~Fundamentals of Sound Use for Media~~ | ~~3~~ |
| ~~or~~[**~~MUSC 567~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20567) | ~~Recording Studio Techniques~~ | |
| [**~~MUSC 582~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20582) | ~~Music and Money~~ | ~~3~~ |
| [**~~MUSC 588~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20588) | ~~Business of Music~~ | ~~3~~ |
| [**~~MUSC 590~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20590) | ~~Seminar in Music Industry~~ | ~~3~~ |
| [**~~MUSC 593~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20593) | ~~Arts Marketing~~ | ~~3~~ |
| [**~~SPTE 202~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20202) | ~~Introduction to Live Entertainment Management~~ | ~~3~~ |
| [**~~SPTE 240~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20240) | ~~Business Law~~ | ~~3~~ |
| [**~~SPTE 302~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20302) | ~~Artist Representation and Management~~ | ~~3~~ |
| [**~~SPTE 303~~**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20303) | ~~Live Entertainment Tour Management~~ | ~~3~~ |
| **~~Total Credit Hours~~** | | **~~0~~** |
| Course List | | |

* 1. **Music Industry Studies Minor**

Updating Minor Requirements

**Minor Requirements (18 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Required Courses: | |  |
| [**MUSC 150**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20150) | Music Industry Convocation (3 semesters) | 0 |
| [**MUSC 305**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20305) | Introduction to Music Industry Studies | 3 |
| [**MUSC 498**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20498) | Music Industry Capstone | 3 |
| [**MUSC 582**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20582) | Music and Money | 3 |
| Select three elective courses: 1 | | 9 |
| [**MUSC 365**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20365) | An Introduction to Audio Recording Techniques |  |
| [**MUSC 366**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20366) | Introduction to Live Audio Techniques |  |
| [**MUSC 380**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20380) | Songwriting Workshop |  |
| **MUSC 385** | DIY Musician |  |
| MUSC 495 | Course MUSC 495 Not Found |  |
| **MUSC 496** | Greene Street Records Capstone |  |
| **MUSC 497** | Music Festival Capstone |  |
| [**MUSC 580**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20580) | Music & Arts Entrepreneurship |  |
| [**MUSC 588**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20588) | Business of Music |  |
| [**MUSC 590**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20590) | Seminar in Music Industry |  |
| [**MUSC 593**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20593) | Arts Marketing |  |
| [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | Introduction to Economics |  |
| [**MKTG 350**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20350) | Principles of Marketing |  |
| [**SPTE 202**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20202) | Introduction to Live Entertainment Management |  |
| [**SPTE 402**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20402) | Entertainment and the Law |  |
| **Total Credit Hours** | | **18** |
| Course List | | |

**1** Select at least one course offered outside of the music school.

* 1. **Music Minor**

Updating Minor Requirements

**Minor Requirements**

***Consultation with the undergraduate director in the School of Music is required.***

**~~Minor Requirements~~**

**Prerequisite Courses (3 Hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 114**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20114) | Introduction to Music Theory 1 | 3 |
| **Total Credit Hours** | | **3** |
| Course List | | |

**1** May be used to fulfill the AIU portion of the Carolina Core Requirements.

**Core Requirements (10 Hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MUSC 100**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20100) | Music Convocation (2 semesters) | 0 |
| [**MUSC 110**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20110) | Introduction to Music | 3 |
| [**MUSC 115**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20115) | Music Theory I | 3 |
| [**MUSC 117**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20117) | Aural Skills I | 1 |
| [**MUSC 118**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20118) | Aural Skills II | 1 |
| Select music ensemble for 2 semesters from the following: | | 2 |
| [**MUSC 123**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20123) | The Marching Band |  |
| [**MUSC 124**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20124) | Symphonic Winds |  |
| [**MUSC 125**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20125) | University Concert Choir |  |
| [**MUSC 126**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20126) | University Orchestra |  |
| [**MUSC 129**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20129) | University Chorus |  |
| [**MUSC 130A**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130A)-[**MUSC 130Z**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20130Z) | |  |
| [**MUSC 131**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20131) | Jazz Ensemble |  |
| [**MUSC 133**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20133) | Wind Ensemble |  |
| [**MUSC 134**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20134) | Ensemble - Chamber Orchestra |  |
| [**MUSC 135B**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20135B)-[**MUSC 135E**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20135E) | |  |
| **Total Credit Hours** | | **10** |
| Course List | | |

**Music Electives (8 Hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select 8 hours in any combination from the following categories: | |  |
| **Ensemble** | | **4** |
| Select a maximum of four hours from the ensemble options listed above | |  |
| **Applied** | | **8** |
| ~~Maximum of eight (8) credits.~~~~1~~ | |  |
| **MUSC 101A-MUSC 101Z** Audition required. | |  |
| **MUSC 103** | Basic Guitar |  |
| **MUSC 104** | Introduction to Piano |  |
| **MUSC 105** | Introduction to Singing |  |
| **Theory or History** | | **1-3** |
| ~~Select a 200-level or higher course from the following:~~ | |  |
| **MUSC 113** | Special Topics in Popular Music |  |
| **MUSC 140** | Jazz and American Popular Music |  |
| **MUSC 210** | Understanding the Psychology of Music |  |
| [**MUSC 215**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20215) | Music Theory II |  |
| [**~~MUSC 216~~**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20216) | ~~Music Theory IV~~ |  |
| [**MUSC 217**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20217) | Aural Skills III |  |
| [**MUSC 218**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20218) | Aural Skills IV |  |
| [**MUSC 312**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20312) | Counterpoint |  |
| [**MUSC 313**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20313) | Twentieth-Century Techniques and Materials |  |
| [**MUSC 315**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20315) | Topics in Music Theory |  |
| [**MUSC 353**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20353) | History of Western Music I |  |
| [**MUSC 354**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20354) | History of Western Music II |  |
| [**MUSC 445**](https://uscbulletins-next.sc.edu/search/?P=MUSC%20445) | Special Topics in Musicology and Ethnomusicology |  |
| **Music Education** | | **3** |
| Any MUED course | |  |
| Course List | | |

**~~1~~** ~~The student may receive credit for two semesters of study at the 101 level (MUSC 101A-MUSC 101Z), but must make normal progress in the applied sequence (MUSC 111A-MUSC 111Z, MUSC 211A-MUSC 211Z, MUSC 311A-MUSC 311Z, MUSC 411A-MUSC 411Z) for more than two (2) semesters to be allowed toward the minor~~

**Course changes:**

MUSC 130Z – Updating schedule type; Updating credit hours

Schedule type: ~~Private Instruction~~

Studio/Studio PE Course

Credit hours: 0-2 ~~0-1~~

MUSC 305 – Updating credit hours; Updating course description

Credit hours: 3 ~~1~~

Course description: An overview of the music industry. Overview of the music industry,

including exploration of ~~Students will explore~~ a variety of music industry career paths in

areas such as arts management, music products and merchandising, ~~merchandizing,~~

public relations, music production and recording, publishing, online music distribution, and live music event organization.

MUSC 310 – Removing Carolina Core designation; Updating alternate grade modes

Is this course a Carolina Core course or are you proposing it to be one? No ~~Yes~~

Does this course include any alternate grade modes? A – Audit

~~P – Pass/Fail~~

**New Courses:**

MUSC 495

MUSC 524

1. **Darla Moore School of Business**

**Program Changes:**

* 1. **Accounting, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)
  + Or [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or STAT 205

Updating Program Requirements

**3. Program Requirements (9-30 hours)**

**Supporting Courses (0-9 hours)**

**Electives (0-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 125 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours. ~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of [**UNIV 101**](https://uscbulletins-next.sc.edu/search/?P=UNIV%20101). All directed coursework electives must be passed with a grade of C or better. ~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex.~~[**~~MATH 111~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20111)~~or~~[**~~STAT 110~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20110)~~) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (24-33 hours)**

*a minimum grade of C is required in all major courses*

**Major Courses (18 hours)**

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Required Courses** | | **3** |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business |  |
| **Elective Courses** | | **6** |
| Select two of the following: | |  |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| **ECON 336** | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| **ECON 594** | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| **FINA 462** | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| **MGMT 408** | Diversity and Inclusion |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

* 1. **Finance, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or STAT 205

Updating Program Requirements

**3. Program Requirements (15-30 hours)**

**Supporting Courses (0-9 hours)**

**Internationalization Requirement (0-9 hours)**

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

**Language:** Two language courses at the 200 level or above

OR

**Electives:**Two approved courses with international content taken either inside or outside the Moore School of Business.  See the [**list of available internationally-focused courses.**](https://uscbulletins-next.sc.edu/undergraduate/business/international-requirement)

**Minor or Cognate (12-18 hours) *optional***

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. 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. Cognates do not earn an additional designation on the transcript.

**Electives (6-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours.~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better.~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (21-24 hours)**

*a minimum grade of C is required in all major courses*

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| Select two of the following: | | 6 |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| **ECON 336** | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| **ECON 594** | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management (Designated sections only) |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| MGMT 408 | Diversity and Inclusion |  |
| FINA 462 | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

* 1. **Business Economics, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or STAT 205

Updating Program Requirements

**3. Program Requirements (15-30 hours)**

**Supporting Courses (0-9 hours)**

**Internationalization Requirement (0-9 hours)**

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

**Language:** Two language courses at the 200 level or above

OR

**Electives:** Two approved courses with international content taken either inside or outside the Moore School of Business.  See the [**list of available internationally-focused courses.**](https://uscbulletins-next.sc.edu/undergraduate/business/international-requirement)

**Minor or Cognate (12-18 hours) *optional***

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. 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. Cognates do not earn an additional designation on the transcript.

**Electives (6-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours. ~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. ~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (21-24 hours)**

*a minimum grade of C is required in all major courses*

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| Select two of the following: | | 6 |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| **ECON 336** | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| **ECON 594** | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| **FINA 462** | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| **MGMT 408** | Diversity and Inclusion |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| Course List | | |

Note:  Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| MGMT 408 | Diversity and Inclusion |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| **FINA 462** | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

* 1. **Management, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or **STAT 205**

Updating Program Requirements

**3. Program Requirements (0-30 hours)**

**Supporting Courses (0-9 hours)**

**Electives (0-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours. ~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of [**UNIV 101**](https://uscbulletins-next.sc.edu/search/?P=UNIV%20101). All directed coursework electives must be passed with a grade of C or better. ~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex.~~[**~~MATH 111~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20111)~~or~~[**~~STAT 110~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20110)~~) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (21-45 hours)**

*A minimum grade of C is required in all major courses.*

Students must choose either the Management of Human Resources Concentration, the Entrepreneurship ~~and Organizational Leadership~~ Concentration or the Business Leadership ~~Entrepreneurship~~ Concentration.

**Concentrations (21-45 hours)**

**Management of Human Resources (21 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGMT 374**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20374) | Strategic Human Resource Management | 3 |
| Select one of the following: | | 3 |
| [**MGMT 373**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20373) | Entrepreneurship and New Venture Opportunities |  |
| [**MGMT 376**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20376) | Employee Engagement |  |
| [**MGMT 401**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20401) | Negotiation and Conflict in the Workplace |  |
| [**MGMT 402**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20402) | Managing Teams in the Workplace |  |
| [**MGMT 403**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20403) | Leadership in Organizations |  |
| [**MGMT 408**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20408) | Diversity and Inclusion |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| Select three of the following: | | 9 |
| [**MGMT 376**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20376) | Employee Engagement |  |
| [**MGMT 401**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20401) | Negotiation and Conflict in the Workplace |  |
| [**MGMT 402**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20402) | Managing Teams in the Workplace |  |
| [**MGMT 403**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20403) | Leadership in Organizations |  |
| [**MGMT 404**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20404) | Compensation and Retention |  |
| [**MGMT 405**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20405) | Talent Management |  |
| [**MGMT 406**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20406) | International Human Resource Management 1 |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management 1 |  |
| [**MGMT 408**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20408) | Diversity and Inclusion |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGMT 431**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20431) | Intercultural Competencies for Working in International Teams |  |
| [**MGMT 476**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20476) | Collective Bargaining |  |
| [**MGMT 499**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20499) | Business Internship in Management |  |
| Upper-Level Business Electives 2 | | 6 |
| **Total Credit Hours** | | **21** |
| Course List | | |

**1**

International-focused course.

**2** Students with a single major in Management must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

**Entrepreneurship (27-36 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGMT 373**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20373) | Entrepreneurship and New Venture Opportunities | 3 |
| [**MGMT 473**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20473) | Developing and Launching New Ventures | 3 |
| [**MGMT 474**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20474) | Executing Strategy in New Ventures | 3 |
| [**MGMT 479**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20479) | Applications in Entrepreneurship and New Ventures | 3 |
| **Second Major** | |  |
| Entrepreneurship requires completion of a second, non-Management major in business. | | 15-24 |
| **Total Credit Hours** | | **27-36** |
| Course List | | |

**Business Leadership (27-36 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **MGMT 376** | Employee Engagement | 3 |
| **MGMT 402** | Managing Teams in the Workplace | 3 |
| **MGMT 403** | Leadership in Organizations | 3 |
| **MGMT 407** | Corporate Social Responsibility and Stakeholder Management 1 | 3 |
| **Second Major** | |  |
| Business Leadership requires completion of a second, non-Management major in business. | | 15-24 |
| **Total Credit Hours** | | **27-36** |
| Course List | | |

**1** International-focused course.

**~~1~~**~~International-focused course.~~

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| Select two of the following: | | 6 |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| [**ECON 336**](https://uscbulletins-next.sc.edu/search/?P=ECON%20336) | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| [**ECON 594**](https://uscbulletins-next.sc.edu/search/?P=ECON%20594) | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| **Total Credit Hours** | | **9** |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and Research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| [**FINA 462**](https://uscbulletins-next.sc.edu/search/?P=FINA%20462) | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| [**MGMT 408**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20408) | Diversity and Inclusion |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| [**MKTG 479**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20479) | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

* 1. **Operations and Supply Chain, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or STAT 205

Updating Program Requirements

**3. Program Requirements (15-30 hours)**

**Supporting Courses (0-9 hours)**

**Internationalization Requirement (0-9 hours)**

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

**Language:** Two language courses at the 200 level or above

OR

**Electives:** Two approved courses with international content taken either inside or outside the Moore School of Business.  See the [**list of available internationally-focused courses.**](https://uscbulletins-next.sc.edu/undergraduate/business/international-requirement)

**Minor or Cognate (12-18 hours) optional**

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. 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. Cognates do not earn an additional designation on the transcript.

**Electives (6-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 123 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours.~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better.~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (22-25 hours)**

*a minimum grade of C is required in all major courses*

**Major Courses (16 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 485**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20485) | Business Process Management | 3 |
| Select one of the following: | | 4 |
| [**MGSC 495**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20495) | Supply Chain Planning and Execution |  |
| [**MGSC 497**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20497) | OSC Capstone Project |  |
| Select two of the following: | | 6 |
| [**MGSC 487**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20487) | Global Sourcing Strategies and Application |  |
| [**MGSC 491**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20491) | Supply Chain Management |  |
| [**MGSC 492**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20492) | Logistics, Transportation and Distribution |  |
| Select one of the following: | | 3 |
| [**MGSC 450**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20450) | Special Topics in Management Science |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MGSC 488**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20488) | Innovation and Design |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| [**MGSC 498**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20498) | Project Management for Business |  |
| **Total Credit Hours** | | **16** |
| Course List | | |

Note: Students must apply for placement into [**MGSC 495**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20495) and [**MGSC 497**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20497) through a competitive application process.

**Major Electives (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Upper-Level Business Electives 1 | | 6 |
| Course List | | |

**1** Students with a single major in Operations and Supply Chain must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 22 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| Select two of the following: | | 6 |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| **ECON 336** | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| **ECON 594** | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| Course List | | |

 Note: Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| **FINA 462** | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| **MGMT 408** | Diversity and Inclusion |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

* 1. **Marketing, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or **STAT 205**

Updating Program Requirements

**3. Program Requirements (9-30 hours)**

**Supporting Courses (0-9 hours)**

**Electives (0-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours. ~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of [**UNIV 101**](https://uscbulletins-next.sc.edu/search/?P=UNIV%20101). All directed coursework electives must be passed with a grade of C or better. ~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex.~~[**~~MATH 111~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20111)~~or~~[**~~STAT 110~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20110)~~) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (21-30 hours)**

*a minimum grade of C is required in all major courses*

Students must complete the Marketing major requirements and two upper-level business electives or choose a concentration in Product Management or Sales Leadership and one upper-level business elective.  Students may choose to add an *optional* Business Analytics Concentration and/or Sustainability in Business Concentration, which may replace the upper-level business elective(s) requirement(s).  Please consult your Academic advisor before deciding on concentrations.

**Major Courses (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research | 3 |
| [**MKTG 465**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20465) | Marketing Strategy and Planning | 3 |
| **Total Credit Hours** | | **6** |
| Course List | | |

**Major  Electives (15 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select 9 hours from the following: | | 9 |
| [**MKTG 351**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20351) | Consumer Behavior |  |
| [**MKTG 445**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20445) | Sales Strategy |  |
| [**MKTG 446**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20446) | Sales Automation and Customer Management |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 451**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20451) | Topics in Marketing |  |
| [**MKTG 453**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20453) | Marketing Practicum |  |
| MKTG 452 | Course MKTG 452 Not Found |  |
| [**MKTG 454**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20454) | Business-to-Business Marketing |  |
| [**MKTG 455**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20455) | Marketing Communications and Strategy |  |
| **MKTG 456** | Sales Management |  |
| [**MKTG 457**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20457) | Introduction To Sales |  |
| [**MKTG 459**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20459) | Marketing Channels and Distribution |  |
| [**MKTG 460**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20460) | Product and Brand Management |  |
| [**MKTG 461**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20461) | Retailing Management |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability |  |
| [**MKTG 475**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20475) | Consultative Selling with Certification |  |
| [**MKTG 477**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20477) | Social Media Marketing |  |
| [**IBUS 402**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20402) | International Marketing 1 |  |
| Upper-level Business Electives 2 | | 6 |
| **Total Credit Hours** | | **15** |
| Course List | | |

**1** International-focused course

**2** Students with a single major in Marketing must complete additional upper-level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a Business Analytics or Sustainability in Business Concentration in place of Upper-Level Business Electives.

**Product Management Concentration (21 hours)**

Please consult an academic advisor or the department on the courses recommended for the concentration.  The concentration is one of three options to complete the Marketing major.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research | 3 |
| [**MKTG 460**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20460) | Product and Brand Management | 3 |
| [**MKTG 465**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20465) | Marketing Strategy and Planning | 3 |
| Select nine hours from the following: | | 9 |
| [**MKTG 351**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20351) | Consumer Behavior |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 453**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20453) | Marketing Practicum |  |
| [**MKTG 455**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20455) | Marketing Communications and Strategy |  |
| [**MKTG 459**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20459) | Marketing Channels and Distribution |  |
| [**MKTG 477**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20477) | Social Media Marketing |  |
| Upper-level Business Elective 1 | | 3 |
| **Total Credit Hours** | | **21** |
| Course List | | |

**1** Students with a single major in Marketing (Product Management Concentration) must complete an additional upper-level (300-level or above) business/economics course (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a Business Analytics or Sustainability in Business Concentration in place of Upper-Level Business Electives.

**Sales Leadership Concentration (21 hours)**

Please consult an academic advisor or the department on the courses recommended for the concentration. The concentration is one of three options to complete the Marketing major.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research | 3 |
| [**MKTG 457**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20457) | Introduction To Sales | 3 |
| [**MKTG 465**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20465) | Marketing Strategy and Planning | 3 |
| Select nine hours from the following: | | 9 |
| [**MKTG 445**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20445) | Sales Strategy |  |
| [**MKTG 446**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20446) | Sales Automation and Customer Management |  |
| MKTG 452 | Course MKTG 452 Not Found |  |
| [**MKTG 453**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20453) | Marketing Practicum |  |
| MKTG 456 | Sales Management |  |
| [**MKTG 459**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20459) | Marketing Channels and Distribution |  |
| [**MKTG 475**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20475) | Consultative Selling with Certification |  |
| Upper-level Business Elective 1 | | 3 |
| **Total Credit Hours** | | **21** |
| Course List | | |

**1** Students with a single major in Marketing (Sales Leadership Concentration) must complete an additional upper-level (300-level or above) business/economics course (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a Business Analytics or Sustainability in Business Concentration in place of Upper-Level Business Electives.

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| Select two of the following: | | 6 |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| **ECON 336** | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| **ECON 594** | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| **Total Credit Hours** | | **9** |
| Course List | | |

 Note: Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| **MGMT 408** | Diversity and Inclusion |  |
| **FINA 462** | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

* 1. **Risk Management and Insurance, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or **STAT 205**

Updating Program Requirements

**3. Program Requirements (15-30 hours)**

**Supporting Courses (0-9 hours)**

**Electives (6-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours. ~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better.~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (21-24 hours)**

*A minimum grade of C is required in all major courses.*

**Major Courses (6 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**FINA 341**](https://uscbulletins-next.sc.edu/search/?P=FINA%20341) | Management of Risk and Insurance | 3 |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management | 3 |
| **Total Credit Hours** | | **6** |
| Course List | | |

**Major Electives (15 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select three of the following: | | 9 |
| [**FINA 442**](https://uscbulletins-next.sc.edu/search/?P=FINA%20442) | Life and Health Insurance |  |
| [**FINA 443**](https://uscbulletins-next.sc.edu/search/?P=FINA%20443) | Property and Liability Insurance |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 445**](https://uscbulletins-next.sc.edu/search/?P=FINA%20445) | Employee Benefits |  |
| [**FINA 446**](https://uscbulletins-next.sc.edu/search/?P=FINA%20446) | Insurance Operations |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 471**](https://uscbulletins-next.sc.edu/search/?P=FINA%20471) | Derivative Securities |  |
| [**ECON 531**](https://uscbulletins-next.sc.edu/search/?P=ECON%20531) | Health Economics |  |
| [**IBUS 436**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20436) | Risk Management and Security Strategies in International Business |  |
| Upper-Level Business Electives 2 | | 6 |
| **Total Credit Hours** | | **15** |
| Course List | | |

**1** Depending on the semester or nature of the project, [**FINA 490**](https://uscbulletins-next.sc.edu/search/?P=FINA%20490) may or may not be applicable to the Risk Management and Insurance major.  Please consult your adivsor to determine if it is applicable in the semester you wish to enroll in the project course.

**2** Students with a single major in Risk Management and Insurance must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| Select two of the following: | | 6 |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| **ECON 336** | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| **ECON 594** | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| Course List | | |

 Note: Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| **FINA 462** | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| **MGMT 408** | Diversity and Inclusion |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements

* 1. **Real Estate, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or **STAT 205**

Updating Program Requirements

**3. Program Requirements (15-30 hours)**

**Supporting Courses (0-9 hours)**

**Electives (6-30 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours.~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better.~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (21-24 hours)**

*a minimum grade of C is required in all major courses*

**Major Courses (9 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**FINA 366**](https://uscbulletins-next.sc.edu/search/?P=FINA%20366) | Introduction to Real Estate and Urban Development | 3 |
| [**FINA 466**](https://uscbulletins-next.sc.edu/search/?P=FINA%20466) | Real Estate Investment Fundamentals | 3 |
| [**FINA 467**](https://uscbulletins-next.sc.edu/search/?P=FINA%20467) | Real Estate Finance | 3 |
| **Total Credit Hours** | | **9** |
| Course List | | |

**Major Electives (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one of the following: | | 3 |
| [**FINA 365**](https://uscbulletins-next.sc.edu/search/?P=FINA%20365) | Corporate Financial Analysis |  |
| **FINA 444** | Corporate Risk Management |  |
| **FINA 463** | Case Studies in Corporate Finance |  |
| **FINA 464** | Financial Innovation |  |
| [**FINA 465**](https://uscbulletins-next.sc.edu/search/?P=FINA%20465) | Commercial Bank Practice and Policy |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| **FINA 471** | Derivative Securities |  |
| **FINA 475** | Fixed Income Securities |  |
| Select one of the following: | | 3 |
| [**FINA 367**](https://uscbulletins-next.sc.edu/search/?P=FINA%20367) | Real Estate Market Analysis |  |
| [**FINA 468**](https://uscbulletins-next.sc.edu/search/?P=FINA%20468) | Real Estate Appraisal |  |
| [**FINA 477**](https://uscbulletins-next.sc.edu/search/?P=FINA%20477) | Real Estate Development |  |
| [**FINA 480**](https://uscbulletins-next.sc.edu/search/?P=FINA%20480) | Global Real Estate Capital Markets |  |
| Upper-Level Business Electives 1 | | 6 |
| **Total Credit Hours** | | **12** |
| Course List | | |

**1** Students with a single major in Real Estate must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

**Business Analytics Concentration (9 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MGSC 394**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20394) | Data Analytics for Business | 3 |
| Select two of the following: | | 6 |
| [**ACCT 404**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20404) | Accounting Information Systems I |  |
| [**ACCT 475**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20475) | Integrated Business Processes with Enterprise Systems |  |
| **ECON 336** | Introduction to Data Science for Economists |  |
| [**ECON 436**](https://uscbulletins-next.sc.edu/search/?P=ECON%20436) | Introductory Econometrics |  |
| **ECON 594** | Advanced Econometrics |  |
| [**FINA 444**](https://uscbulletins-next.sc.edu/search/?P=FINA%20444) | Corporate Risk Management |  |
| [**FINA 464**](https://uscbulletins-next.sc.edu/search/?P=FINA%20464) | Financial Innovation |  |
| [**FINA 469**](https://uscbulletins-next.sc.edu/search/?P=FINA%20469) | Investment Analysis and Portfolio Management |  |
| [**FINA 472**](https://uscbulletins-next.sc.edu/search/?P=FINA%20472) | Student-Managed Investments |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**MGMT 425**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20425) | Analytics for the Human Resources Professional |  |
| [**MGSC 390**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20390) | Business Information Systems |  |
| [**MGSC 391**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20391) | Applied Statistical Modeling |  |
| [**MGSC 486**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20486) | Service Operations Management |  |
| [**MKTG 352**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20352) | Principles of Marketing Research |  |
| [**MKTG 447**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20447) | Pricing Strategy and Analytics |  |
| [**MKTG 448**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20448) | Data Science for Business Decision-Making |  |
| [**MKTG 470**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20470) | Digital Marketing & Social Media Analytics |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| Select six to nine hours from the following: | | 6-9 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| **FINA 462** | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| **MGMT 408** | Diversity and Inclusion |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| **MKTG 479** | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

* 1. **International Business, B.S.B.A.**

Updating Carolina Core Requirements

**1. Carolina Core Requirements (31-43 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*must be passed with a grade of C or higher​*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) **or** [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) or **STAT 205**

Updating Program Requirements

**3. Program Requirements (0-24 hours\*)**

\*Students who are not native speakers in approved languages and exempt from the 12-hour foreign language requirement will have a range of 12-24 hours of Program Requirements.

**Supporting Courses (0-12 hours)**

**Electives (0-24 hours)**

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate.  Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours.~~No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.~~

Options to meet this requirement may include:

* Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
* A maximum of 4 courses towards completion of an accelerated master’s program if not counted elsewhere in the degree.
* Directed Electives:  Students may select courses of interest with their advisor.  Students are strongly encouraged to take a business section of [**UNIV 101**](https://uscbulletins-next.sc.edu/search/?P=UNIV%20101). All directed coursework electives must be passed with a grade of C or better.~~Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex.~~[**~~MATH 111~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20111)~~or~~[**~~STAT 110~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20110)~~) or 1 credit performance classes.~~

Updating Major Requirements

**4. Major Requirements (27-39 hours)**

Students majoring in International Business are required to study outside the United States for a period of one semester, normally the spring semester of the academic year after which [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310) is taken, at an approved institution. Exceptions to this requirement will be granted in cases of hardship. Students in regional cohort tracks meet the overseas study requirement at the cohort partner institution. The curriculum of the International Business major satisfies the Moore School internationalization requirement.

*A minimum grade of C is required in all major courses.*

**Major Courses (3 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310) | Globalization and Business | 3 |
| **Total Credit Hours** | | **3** |
| Course List | | |

**Major Electives (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Functional Courses** | |  |
| Select one of the following: | | 3 |
| [**ACCT 426**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20426) | International Financial Reporting |  |
| [**IBUS 501**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20501) | International Financial Management |  |
| [**IBUS 502**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20502) | International Marketing |  |
| [**IBUS 503**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20503) | International Entrepreneurship |  |
| [**IBUS 405**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20405) | International Information Systems |  |
| [**IBUS 430**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20430) | Research in International Business |  |
| [**IBUS 432**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20432) | The Business Case for Services Offshoring |  |
| [**MGMT 406**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20406) | International Human Resource Management |  |
| [**MGSC 405**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20405) | International Information Systems |  |
| [**ECON 503**](https://uscbulletins-next.sc.edu/search/?P=ECON%20503) | International Trade Economics |  |
| [**ECON 504**](https://uscbulletins-next.sc.edu/search/?P=ECON%20504) | International Monetary Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| **Thematic Courses** | |  |
| Select one of the following: | | 3 |
| [**IBUS 422**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20422) | Foreign Market Entry and Growth |  |
| [**IBUS 423**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20423) | Cross-Cultural Behavior and Negotiations |  |
| [**IBUS 424**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20424) | Exporting and Importing |  |
| [**IBUS 425**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20425) | Competitive Strategies in Developing Countries |  |
| [**IBUS 426**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20426) | Global Competitive Analysis |  |
| [**IBUS 427**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20427) | Global Stakeholder Management |  |
| [**IBUS 428**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20428) | Islamic Economics and Finance |  |
| [**IBUS 429**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20429) | Comparative Innovation Systems |  |
| [**IBUS 431**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20431) | Intercultural Competencies for Working in International Teams |  |
| [**IBUS 433**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20433) | Economic Globalization: Leadership and the Transnational Mindset |  |
| [**IBUS 434**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20434) | Social Networks and Global Leadership |  |
| [**IBUS 435**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20435) | Market Development and Global Strategy |  |
| [**IBUS 519**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20519) | Social Networks and Global Leadership |  |
| [**IBUS 521**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20521) | Ethnographic Methods in International Marketing |  |
| **Regional Courses** | |  |
| Select one of the following: | | 3 |
| [**IBUS 541**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20541) | Business in Latin America 1 |  |
| [**IBUS 542**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20542) | Business in Asia 1 |  |
| [**IBUS 543**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20543) | Business in Europe 1 |  |
| [**IBUS 544**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20544) | Business in Africa 1 |  |
| **Additional Functional or Thematic Course** | |  |
| Select 3 hours | | 3 |
| **Total Credit Hours** | | **12** |
| Course List | | |

**1** Because one or more of these courses may not be offered on campus during the two years that a student may be taking major-level courses, these courses are most appropriate for study abroad.

**Second Major (12-24 hours)**

The International Business major must be taken in combination with a second major in business.

**Regional Cohort Concentrations (15 hours)**

Students in each regional concentration of the International Business major meet the regional course requirements with courses dealing primarily in that region.

**Competitive Admission**

Admission to each concentration of the international business major is highly competitive, and enrollment is limited.  Individual limits apply to language selections in the regional concentrations.

**Double Major**

All students selecting international business as a major, regardless of concentration, are required to complete a second major in business.

**Foreign Study**

Students are placed at partner schools through a competitive application process. Students in regional cohort concentrations meet the overseas study requirement at the cohort partner institution and spend a minimum of two semesters abroad depending on cohort concentration. Experiential program requirements are outlined in the Program Expectations for each cohort concentration.

**Conduct**

Regional Cohort Concentrations have specific behavioral requirements. Those requirements are outlined in the Program Expectations for each cohort.

**Chinese Business Concentration (15 hours)**

The Chinese Business concentration in the International Business major allows the student to focus on International Business activities with China. Students in this concentration meet the foreign language requirement by selecting Chinese as the language of study. The Chinese language placement test will determine at which level the student will begin.  Foreign language courses may be included as part of the student’s selected minor, cognate, or elective hours. The language requirement for Chinese Business is heavily dependent on incoming language level. If students enroll at USC ~~UofSC~~ with C7 on their Chinese placement test, they may not be required to participate in the summer language institutes.

* [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310)
* One functional course from the list above (3 hours)
* One thematic course from the list above (3 hours)
* One ~~Two~~ regional course ~~courses~~ with Asian focus while abroad (3 ~~(6~~ hours)
* One additional regional, functional or thematic course from the list above (3 hours)

**European Business Concentration (15 hours)**

The European Business concentration in the International Business major allows the student to focus on International Business activities with this region. Specific languages and functional majors may be required based on study abroad location and partner university. The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student’s selected minor, cognate, or elective hours.

* [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310)
* One functional course from the list above (3 hours)
* One thematic course from the list above (3 hours)
* Two regional courses with a European focus (6 hours)

**Global Business Concentration (15 hours)**

The Global Business concentration in the International Business major allows the student to focus on International Business activities within a global context. Specific languages and functional majors may be required based on study location and partner university. The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student’s selected minor, cognate, or elective hours.

* [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310)
* One functional course from the list above (3 hours)
* One thematic course from the list above (3 hours)
* Two regional courses with focus on the specific study abroad region (6 hours)

**Global Business Innovation Concentration (15 hours)**

The Global Business Innovation Concentration in the International Business major allows the student to focus on International Business activities within a global context. Specific languages and functional majors may be required based on study location and partner university. The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student’s selected minor, cognate, or elective hours.

* [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310)
* One functional course from the list above (3 hours)
* One thematic course from the list above (3 hours)
* Two regional courses with focus on the specific study abroad region (6 hours)

**Middle East and North Africa (MENA) Business Concentration (15 hours)**

The Middle East and North Africa (MENA) Business concentration in the International Business major allows the student to focus on International Business activities with this region.  Students in this concentration meet the foreign language requirement by selecting Arabic as the language of study. The Arabic language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student’s selected minor, cognate, or elective hours. The language requirement for the MENA program is heavily dependent on incoming language level. If students enroll at USC ~~UofSC~~ with A4 on their Arabic placement test, they are not required to participate in both summer language institutes. Only one may be required based on evaluation of proficiency.

* [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310)
* One functional course from the list above (3 hours)
* One thematic course from  the list above (3 hours)
* Two regional courses with focus on the MENA region (6 hours)

**South American Business Concentration (15 hours)**

The South American Business concentration in the International Business major allows the student to focus on International Business activities with this region. Students in this concentration meet the foreign language requirement by selecting Portuguese or Spanish as the language of study. Specific languages and functional majors may be required based on study location and partner university.  The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student’s selected minor, cognate, or elective hours.

* [**IBUS 310**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20310)
* One functional course from the list above (3 hours)
* One thematic course from the list above (3 hours)
* Two regional courses with focus on South America (6 hours)

**Sustainability in Business Concentration (12 hours) *optional***

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The sustainability concentration must be taken in conjunction with a major. The department may add additional electives to the Sustainability in Business Concentration, subject to the approval of the Sustainability Curriculum and research Faculty Committee.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MKTG 472**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20472) | Business, Markets and Sustainability | 3 |
| [**IBUS 427**](https://uscbulletins-next.sc.edu/search/?P=IBUS%20427) | Global Stakeholder Management | 3 |
| Select three to six hours from the following: | | 3-6 |
| ACCT 550 | Course ACCT 550 Not Found |  |
| [**MGMT 407**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20407) | Corporate Social Responsibility and Stakeholder Management |  |
| [**MGMT 408**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20408) | Diversity and Inclusion |  |
| [**FINA 462**](https://uscbulletins-next.sc.edu/search/?P=FINA%20462) | Climate Change Risk Management, Insurance, and Finance |  |
| [**FINA 473**](https://uscbulletins-next.sc.edu/search/?P=FINA%20473) | Corporate Governance and Agency Conflicts |  |
| [**ECON 500**](https://uscbulletins-next.sc.edu/search/?P=ECON%20500) | Urban Economics |  |
| [**ECON 505**](https://uscbulletins-next.sc.edu/search/?P=ECON%20505) | International Development Economics |  |
| [**ECON 548**](https://uscbulletins-next.sc.edu/search/?P=ECON%20548) | Environmental Economics |  |
| [**MGSC 489**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20489) | Sustainable Operations & Supply Chain |  |
| [**MKTG 479**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20479) | Marketing for Nonprofit Organizations |  |
| Select zero to three hours from the following: | | 0-3 |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**ENVR 322**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20322) | Environmental Ethics |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 321**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20321) | Sustainable Cities |  |
| [**HTMT 485**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20485) | Sustainable Tourism |  |
| [**POLI 478**](https://uscbulletins-next.sc.edu/search/?P=POLI%20478) | Environmental Policy |  |
| Course List | | |

Note: Courses applied in the major may not also fulfill concentration requirements.

**New Courses:**

ACCT 550

FINA 474

FINA 478

FINA 479

MKTG 452

1. **Interdisciplinary Programs**

**Program Changes:**

1. **Data Analytics and Visualization, Certificate**

Updating Degree Requirements

**Degree Requirements (12-13 ~~(12~~ Hours)**

The student will select a minimum 12 credits (4 courses) and must be earned in concurrence with an undergraduate degree program.

Some courses or course sections may have enrollment restrictions. Pursuing this certificate does not override those restrictions and another course or section should be chosen from the Course List.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select four courses from the following: | | 12-13 |
| [**ARTS 102**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20102) | Design Technology and Concepts |  |
| [**ARTS 245**](https://uscbulletins-next.sc.edu/search/?P=ARTS%20245) | Typographic Design I |  |
| [**~~CSCE 101~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20101) | ~~Introduction to Computer Concepts~~ |  |
| [**~~CSCE 102~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20102) | ~~General Applications Programming~~ |  |
| [**~~CSCE 104~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20104) | ~~Program Design and Development~~ |  |
| ~~or~~[**~~ITEC 104~~**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20104) | ~~Program Design and Development~~ | |
| [**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | Scientific Applications Programming |  |
| [**~~GEOG 105~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20105) | ~~The Digital Earth~~ |  |
| **CSCE 207** | UNIX System Administration |  |
| **CSCE 567** | Visualization Tools |  |
| [**GEOG 263**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20263) | Geographic Information Systems |  |
| [**~~ISCI 201~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20201) | ~~Data, Information & Society~~ |  |
| [**~~ISCI 202~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20202) | ~~Information Literacy and Technology~~ |  |
| [**GEOG 341**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20341) | Cartography |  |
| **GEOG 345** | Introduction to Remote Sensing |  |
| **GEOG 554** | Spatial Programming |  |
| **GEOG 563** | Advanced Geographic Information Systems |  |
| **GEOG 564** | GIS-Based Modeling |  |
| [**ISCI 250**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20250) | Information Design |  |
| [**ISCI 301**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20301) | Text Mining in Big Data Analytics |  |
| [**ISCI 310**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20310) | Information Science Data Analysis and Evaluation |  |
| [**~~ITEC 264~~**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20264) | ~~Computer Applications in Business I~~ |  |
| **ISCI 560** | Data Visualization |  |
| [**JOUR 203**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20203) | Principles of Visual Communications |  |
| [**JOUR 346**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20346) | Graphics for Visual Communications |  |
| [**JOUR 400**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20400) | Digital Media and Big Data Analysis |  |
| [**MGSC 290**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20290) | Computer Information Systems in Business |  |
| [**MGSC 291**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20291) | Applied Statistics for Business |  |
| or [**STAT 301**](https://uscbulletins-next.sc.edu/search/?P=STAT%20301) | Statistical Methods for Data Analytics | |
| [**PSYC 220**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20220) | Psychological Statistics |  |
| or [**SOCY 392**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20392) | Elementary Statistics for Sociologists | |
| or [**STAT 201**](https://uscbulletins-next.sc.edu/search/?P=STAT%20201) | Elementary Statistics | |
| or [**STAT 205**](https://uscbulletins-next.sc.edu/search/?P=STAT%20205) | Elementary Statistics for the Biological and Life Sciences | |
| or [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) | Elementary Statistics for Business | |
| or [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers | |
| or [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) | Statistical Methods I | |
| **Total Credit Hours** | | **12-13** |
| Course List | | |

1. **Digital Studies, Certificate**

Updating Degree Requirements

**Degree Requirements (12 Hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one course from the following: | | 3 |
| [**CSCE 101**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20101) | Introduction to Computer Concepts |  |
| [**GEOG 105**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20105) | The Digital Earth |  |
| [**MART 210**](https://uscbulletins-next.sc.edu/search/?P=MART%20210) | Digital Media Arts Fundamentals |  |
| [**ISCI 201**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20201) | Data, Information & Society |  |
| [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101) | Thriving in the Tech Age |  |
| Select three courses from the following: | | 9 |
| [**CSCE 102**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20102) | General Applications Programming |  |
| [**CSCE 104**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20104) | Program Design and Development |  |
| or [**ITEC 104**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20104) | Program Design and Development | |
| [**~~CSCE 106~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | ~~Scientific Applications Programming~~ |  |
| [**CSCE 201**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20201) | Introduction to Computer Security |  |
| [**~~CSCE 207~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20207) | ~~UNIX System Administration~~ |  |
| [**CSCE 500**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20500) | Computer Programming and Applications |  |
| [**~~CSCE 567~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20567) | ~~Visualization Tools~~ |  |
| [**ITEC 233**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20233) | Introduction to Computer Hardware and Software |  |
| [**ITEC 245**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20245) | Introduction to Networking |  |
| [**ITEC 264**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20264) | Computer Applications in Business I |  |
| [**ITEC 265**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20265) | Introduction to Databases |  |
| [**ITEC 362**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20362) | Introduction to Web Systems |  |
| [**ITEC 370**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20370) | Database Systems in Information Technology |  |
| [**ITEC 560**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20560) | Project Management Methods |  |
| [**ISCI 202**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20202) | Information Literacy and Technology |  |
| [**~~ISCI 301~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20301) | ~~Text Mining in Big Data Analytics~~ |  |
| [**~~ISCI 402~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20402) | ~~Management in Data Driven Organizations~~ |  |
| [**ISCI 415**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20415) | Social Issues in Information and Communications Technologies |  |
| [**~~ISCI 430~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20430) | ~~User-Centered Information Architecture~~ |  |
| [**~~ISCI 560~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20560) | ~~Data Visualization~~ |  |
| [**~~GEOG 263~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20263) | ~~Geographic Information Systems~~ |  |
| [**~~GEOG 341~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20341) | ~~Cartography~~ |  |
| [**~~GEOG 345~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20345) | ~~Introduction to Remote Sensing~~ |  |
| [**~~GEOG 554~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20554) | ~~Spatial Programming~~ |  |
| [**~~GEOG 563~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20563) | ~~Advanced Geographic Information Systems~~ |  |
| [**~~GEOG 564~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20564) | ~~GIS-Based Modeling~~ |  |
| [**MART 262**](https://uscbulletins-next.sc.edu/search/?P=MART%20262) | Digital Compositing |  |
| [**MART 371**](https://uscbulletins-next.sc.edu/search/?P=MART%20371) | The Moving Image |  |
| [**MART 380**](https://uscbulletins-next.sc.edu/search/?P=MART%20380) | New Media Art |  |
| [**MART 571C**](https://uscbulletins-next.sc.edu/search/?P=MART%20571C) | Moving Image Advanced: Animation |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

1. **Project Leadership and Management, Certificate**

Updating Degree Requirements

**Degree Requirements (12 Hours)**

The student will select a minimum 12 credits (4 courses) and must be earned in concurrence with an undergraduate degree program.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select four courses from the following: | | 12 |
| [**EDLP 317**](https://uscbulletins-next.sc.edu/search/?P=EDLP%20317) | Law and Policy Studies in Education |  |
| [**ENGL 387**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20387) | Introduction to Rhetoric |  |
| or [**SPCH 387**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20387) | Introduction to Rhetoric | |
| [**ENGL 462**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20462) | Technical Writing |  |
| [**ENGL 463**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20463) | Business Writing |  |
| [**ENGL 468**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20468) | Digital Writing |  |
| [**HTMT 490**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20490) | Strategic Hospitality Management and Leadership |  |
| **ISCI 402** | Management in Data Driven Organizations |  |
| **ISCI 410** | Knowledge Work as an Organizational Asset |  |
| **JOUR 348** | Creative Thinking and Problem Solving |  |
| [**JOUR 451**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20451) | Freelancing for Creative Professionals |  |
| [**JOUR 480**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20480) | Media Management |  |
| [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management |  |
| [**MGSC 498**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20498) | Project Management for Business |  |
| [**PEDU 302**](https://uscbulletins-next.sc.edu/search/?P=PEDU%20302) | Foundations of Coaching |  |
| [**POLI 215**](https://uscbulletins-next.sc.edu/search/?P=POLI%20215) | Introduction to Leadership Studies |  |
| [**POLI 370**](https://uscbulletins-next.sc.edu/search/?P=POLI%20370) | Introduction to Public Administration |  |
| [**RETL 351**](https://uscbulletins-next.sc.edu/search/?P=RETL%20351) | Retail Entrepreneurship |  |
| [**PSYC 350**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20350) | Industrial Psychology |  |
| [**SOCY 101**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20101) | Introductory Sociology |  |
| [**SOCY 311**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20311) | Ecology of Human Social Systems |  |
| [**SPCH 330**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20330) | Small Group Communication |  |
| [**SPCH 331**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20331) | Organizational Communication |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

1. **Strategic Thinking and Communications, Certificate**

Updating Degree Requirements

**Degree Requirements (12 Hours)**

The student will select a minimum 12 credits (4 courses)  from the following course selection and must be earned in concurrence with an undergraduate degree program.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select four courses from the following: | | 12 |
| [**ANTH 273**](https://uscbulletins-next.sc.edu/search/?P=ANTH%20273) | Cross-Cultural Communication |  |
| or [**LING 273**](https://uscbulletins-next.sc.edu/search/?P=LING%20273) | Cross-Cultural Communication | |
| [**ENGL 363**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20363) | Introduction to Professional Writing |  |
| [**FORL 360**](https://uscbulletins-next.sc.edu/search/?P=FORL%20360) | Introduction to Intercultural Communication |  |
| [**~~ISCI 415~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20415) | ~~Social Issues in Information and Communications Technologies~~ |  |
| [**~~ISCI 420~~**](https://uscbulletins-next.sc.edu/search/?P=ISCI%20420) | ~~Information and Communication Needs and Assessment~~ |  |
| [**ITEC 242**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20242) | Business Communications |  |
| [**JOUR 201**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20201) | Principles of Public Relations |  |
| [**JOUR 285**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20285) | Social Media and Society |  |
| [**JOUR 291**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20291) | Writing for Mass Communications |  |
| [**JOUR 303**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20303) | Law and Ethics of Mass Communications |  |
| [**JOUR 304**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20304) | Internet and Social Media Law |  |
| [**JOUR 333**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20333) | Public Relations for Nonprofit Organizations |  |
| [**PHIL 213**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20213) | Communicating Moral Issues |  |
| [**PHIL 321**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20321) | Medical Ethics |  |
| or [**PHIL 324**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20324) | Business Ethics | |
| or [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) | Engineering Ethics | |
| [**POLI 240**](https://uscbulletins-next.sc.edu/search/?P=POLI%20240) | Language Conflict and Language Rights |  |
| or [**LING 240**](https://uscbulletins-next.sc.edu/search/?P=LING%20240) | Language Conflict and Language Rights | |
| [**PSYC 430**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20430) | Survey of Social Psychology |  |
| [**RETL 487**](https://uscbulletins-next.sc.edu/search/?P=RETL%20487) | Retail Management Strategies |  |
| [**SAEL 200**](https://uscbulletins-next.sc.edu/search/?P=SAEL%20200) | Social Advocacy and Ethical Life |  |
| [**SPCH 140**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20140) | Public Communication |  |
| or [**SPCH 145**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20145) | Online Public Communication | |
| [**SPCH 213**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20213) | Communicating Moral Issues |  |
| [**SPCH 230**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20230) | Business and Professional Speaking |  |
| [**SPCH 260**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20260) | Argumentation and Debate |  |
| [**SPCH 380**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20380) | Persuasive Communication |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

1. **College of Education**

**Program Changes:**

* 1. **Counselor Education Minor**

Updating Minor Requirements

**Minor Requirements (18 Hours)**

The Counselor Education minor requires:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Core Courses** | |  |
| [**EDCE 210**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20210) | Career Planning and Development | 3 |
| [**EDCE 340**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20340) | Counseling Through a Multicultural Lens: Understanding Self and Others | 3 |
| [**EDCE 350**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20350) | Interpersonal Communication Skills | 3 |
| [**EDCE 360**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20360) | Introduction to the Counseling Profession | 3 |
| EDCE 370 | Course EDCE 370 Not Found | 3 |
| **Elective Courses** | |  |
| Select three hours (one course) from the following: | | 3 |
| [**EDCE 570**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20570) | Seminar in Counseling |  |
| [**EDFI 300**](https://uscbulletins-next.sc.edu/search/?P=EDFI%20300) | Schools in Communities |  |
| [**PSYC 301**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20301) | Psychology of Marriage |  |
| [**PSYC 310**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20310) | Psychology of Women |  |
| [**SOCY 301**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20301) | Sex and Gender |  |
| [**SOCY 305**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20305) | Sociology of Families |  |
| **Total Credit Hours** | | **18** |
| Course List | | |

**Course Changes:**

PEDU 515 – Updating pre- or co-requisites

Does this course have pre- or co-requisites? No ~~Yes~~

**New Courses:**

EDCE 370

PEDU 157

PEDU 158

**Course Inactivation:**

PEDU 577/DANC 577

1. **Molinaroli College of Engineering and Computing**

**Program Changes:**

* 1. **Aerospace Engineering, B.S.E.**

Updating Admission Requirements

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

Updating Degree Requirements

**Degree Requirements (125-134 ~~(125-137~~ hours)**

See [**College of Engineering and Computing**](https://uscbulletins-next.sc.edu/undergraduate/engineering-computing/) for progression requirements and special academic opportunities.

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 34-43 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 46 |
| 4. Major Requirements | 45 |
| Program Summary | |

Updating Carolina Core Requirements

**1. Carolina Core Requirements (34-43 ~~(34-46~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)-**

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101) - *must be passed with a grade of C or higher*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

*must be passed with a grade of C or higher*

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)

**SCI – Scientific Literacy (8 hours)**

*must be passed with a grade of C or higher*

* [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) & [**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)
* [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) & [**PHYS 211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* any overlay or stand-alone [**CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0 ~~(0-3~~ hours)**

* ENGL 102
* ~~any overlay or stand-alone~~[**~~CC-INF course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

* 1. **Biomedical Engineering, B.A.**

Updating Admission Requirements

Does these admissions requirements differ from the admissions standards currently approved by Faculty Senate? Yes ~~No~~

Admission Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

~~Admission requirements for freshman are established by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~. Admissions requirements for transfer, major change and readmitted students are established by the College of Engineering and Computing.~~  Transfer ~~For the BA Biomedical Engineering program, transfer~~ applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. ~~scale.~~ Current University of South Carolina students, ~~students who wish to enter the College of Engineering~~ and ~~Computing, and~~ former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

Updating Overview/Introduction

**Academic Standards**

**Program GPA**

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Biomedical Engineering B.A. ~~B.S.~~ program: all Biomedical Engineering Major courses and all courses used to satisfy Biomedical Engineering Electives.

Updating Carolina Core Requirements

**1. Carolina Core Requirements (32-42 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

* [**ENGL 101**](https://academicbulletins.sc.edu/search/?P=ENGL%20101) *must be passed with a grade of C or higher​*
* [**ENGL 102**](https://academicbulletins.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6-7 hours)**

*must be passed with a grade of C or higher*

* [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) or [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**STAT 201**](https://uscbulletins-next.sc.edu/search/?P=STAT%20201) or [**STAT 205**](https://uscbulletins-next.sc.edu/search/?P=STAT%20205) or [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206)

**SCI – Scientific Literacy (8 hours)**

*must be passed with a grade of C or higher*

* [**BIOL 101**](https://academicbulletins.sc.edu/search/?P=BIOL%20101)
* [**BIOL 101L**](https://academicbulletins.sc.edu/search/?P=BIOL%20101L)
* [**CHEM 111**](https://academicbulletins.sc.edu/search/?P=CHEM%20111)
* [**CHEM 111L**](https://academicbulletins.sc.edu/search/?P=CHEM%20111L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* any overlay or stand-alone [**CC-CMS course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0 ~~(0-3~~ hours)**

* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* any overlay or stand-alone [**CC-VSR course**](https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

Updating Program Requirements

**3. Program Requirements (46-52 hours)**

**Supporting Courses (46 hours)**

**Foundational Courses (19 hours)**

Complete the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**BIOL 102**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20102) | Biological Principles II | 3 |
| [**BIOL 102L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20102L) | Biological Principles II Laboratory | 1 |
| [**PHYS 201**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201) | General Physics I | 3 |
| [**PHYS 201L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201L) | General Physics Laboratory I | 1 |
| [**CHEM 112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) | General Chemistry II | 3 |
| [**CHEM 112L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L) | General Chemistry II Lab | 1 |
| [**CHEM 333**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333) | Organic Chemistry I | 3 |
| [**CHEM 331L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20331L) | Essentials of Organic Chemistry Laboratory I | 1 |
| or [**CHEM 333L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333L) | Comprehensive Organic Chemistry Laboratory I | |
| [**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | Scientific Applications Programming (Scientific Applications Programming) | 3 |
| **Total Credit Hours** | | **19** |
| Course List | | |

**Specialty Courses (27 hours)**

Students must take 27 credit hours of specialty electives. Undergraduate courses that may be used to satisfy this requirement are listed below.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ACCT 222**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20222) | Survey of Accounting | 3 |
| [**ANTH 101**](https://uscbulletins-next.sc.edu/search/?P=ANTH%20101) and above | |  |
| [**BIOL 120**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20120) and above | |  |
| CHEM (except [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111)/[**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L), [**CHEM 112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112)/[**CHEM 112L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L), [**CHEM 333**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333), [**CHEM 333L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333L), [**CHEM 331L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20331L)) | |  |
| [**CLAS 220**](https://uscbulletins-next.sc.edu/search/?P=CLAS%20220) and above | |  |
| [**CRJU 101**](https://uscbulletins-next.sc.edu/search/?P=CRJU%20101) and above | |  |
| [**CYBR 390**](https://uscbulletins-next.sc.edu/search/?P=CYBR%20390) | Special Topics in Cyber Intelligence | 3 |
| CSCE higher than 106 | |  |
| ECHE 200 and above (except for [**ECHE 310**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20310)) | |  |
| [**ECIV 200**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20200) and above | |  |
| [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | Introduction to Economics | 3 |
| [**EDCE 210**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20210) | Career Planning and Development | 3 |
| [**EDCE 340**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20340) | Counseling Through a Multicultural Lens: Understanding Self and Others | 3 |
| [**EDCE 350**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20350) | Interpersonal Communication Skills | 3 |
| [**EDCE 360**](https://uscbulletins-next.sc.edu/search/?P=EDCE%20360) | Introduction to the Counseling Profession | 3 |
| [**EDEX 205**](https://uscbulletins-next.sc.edu/search/?P=EDEX%20205) | Understanding the Foundations of Disability | 3 |
| [**EDEX 301**](https://uscbulletins-next.sc.edu/search/?P=EDEX%20301) | Introduction to Students with Autism | 3 |
| [**EDEX 523**](https://uscbulletins-next.sc.edu/search/?P=EDEX%20523) | Introduction to Exceptional Children | 3 |
| [**EDFI 300**](https://uscbulletins-next.sc.edu/search/?P=EDFI%20300) | Schools in Communities | 3 |
| [**EDFI 361**](https://uscbulletins-next.sc.edu/search/?P=EDFI%20361) | Comparative and International Education | 3 |
| [**EDLP 317**](https://uscbulletins-next.sc.edu/search/?P=EDLP%20317) | Law and Policy Studies in Education | 3 |
| [**EDPY 401**](https://uscbulletins-next.sc.edu/search/?P=EDPY%20401) | Learners and the Diversity of Learning | 3 |
| [**EDTE 202**](https://uscbulletins-next.sc.edu/search/?P=EDTE%20202) | Global Citizenship and Social Responsibility through Education | 3 |
| [**EDTE 218**](https://uscbulletins-next.sc.edu/search/?P=EDTE%20218) | Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary | 3 |
| ELCT 200 and above | |  |
| [**EMCH 200**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20200) and above | |  |
| [**ENCP 200**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20200) and above | |  |
| ENGL 300 and above | |  |
| [**ENHS 223**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20223) and above | |  |
| [**ENTR 201**](https://uscbulletins-next.sc.edu/search/?P=ENTR%20201) | Entrepreneurism and Free Enterprise | 3 |
| [**ENTR 301**](https://uscbulletins-next.sc.edu/search/?P=ENTR%20301) | Startup Finance, Legal Structures, and Business Systems | 3 |
| [**ENTR 401**](https://uscbulletins-next.sc.edu/search/?P=ENTR%20401) | Applied Entrepreneurship | 3 |
| [**ENTR 501**](https://uscbulletins-next.sc.edu/search/?P=ENTR%20501) | Independent Study in Entrepreneurship | 1-3 |
| [**ENVR 101**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20101) and above | |  |
| [**EPID 349**](https://uscbulletins-next.sc.edu/search/?P=EPID%20349) and above | |  |
| [**EXSC 191**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20191) and above (except [**EXSC 335**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20335) if used as Biomedical Elective) | |  |
| [**FINA 333**](https://uscbulletins-next.sc.edu/search/?P=FINA%20333) | Finance and Markets | 3 |
| [**HGEN 400**](https://uscbulletins-next.sc.edu/search/?P=HGEN%20400) and above | |  |
| [**HPEB 300**](https://uscbulletins-next.sc.edu/search/?P=HPEB%20300) and above | |  |
| [**HSPM 401**](https://uscbulletins-next.sc.edu/search/?P=HSPM%20401) and above | |  |
| INDE 200 and above | |  |
| ITEC 200 and above | |  |
| MATH (except [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122)) | |  |
| [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management | 3 |
| [**MGSC 290**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20290) | Computer Information Systems in Business | 3 |
| [**MKTG 350**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20350) | Principles of Marketing | 3 |
| [**NSCI 300**](https://uscbulletins-next.sc.edu/search/?P=NSCI%20300) and above | |  |
| [**PEDU 302**](https://uscbulletins-next.sc.edu/search/?P=PEDU%20302) | Foundations of Coaching | 3 |
| [**PEDU 420**](https://uscbulletins-next.sc.edu/search/?P=PEDU%20420) | Motor Learning in Physical Education | 3 |
| [**PEDU 520**](https://uscbulletins-next.sc.edu/search/?P=PEDU%20520) | Observational Analysis of Sports Techniques and Tactics | 3 |
| PHIL 200 and above | |  |
| PHYS 200 and above (except [**PHYS 101**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20101)/[**PHYS 101L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20101L), [**PHYS 102**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20102)/[**PHYS 102L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20102L), [**PHYS 151**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20151)/[**PHYS 151L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20151L), [**PHYS 155**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20155)/[**PHYS 155L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20155L), [**PHYS 201**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201)/[**PHYS 201L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20201L) | |  |
| [**POLI 101**](https://uscbulletins-next.sc.edu/search/?P=POLI%20101) and above | |  |
| [**PSYC 101**](https://uscbulletins-next.sc.edu/search/?P=PSYC%20101) and above | |  |
| [**PUBH 302**](https://uscbulletins-next.sc.edu/search/?P=PUBH%20302) and above | |  |
| [**SOCY 101**](https://uscbulletins-next.sc.edu/search/?P=SOCY%20101) and above | |  |
| SPCH 200 and above | |  |
| STAT except for [**STAT 201**](https://uscbulletins-next.sc.edu/search/?P=STAT%20201), [**STAT 205**](https://uscbulletins-next.sc.edu/search/?P=STAT%20205), or [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206) | |  |
| [**UNIV 101**](https://uscbulletins-next.sc.edu/search/?P=UNIV%20101) | The Student in the University | 3 |
| Course List | | |

Updating Major Requirements

**4. Major Requirements (36-38 hours)**

**Major Courses (24-26 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**BMEN 101**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20101) | Introduction to Biomedical Engineering | 1-3 |
| or [**ENCP 101**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20101) | Introduction to Engineering | |
| [**BMEN 240**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20240) | Cellular and Molecular Biology with Engineering Applications (must be passed with a grade of C or better) | 4 |
| [**BMEN 345**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20345) | Human Anatomy and Physiology for Biomedical Engineers | 4 |
| [**BMEN 270**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20270) | Materials in Medicine | 3 |
| [**BMEN 360**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20360) | Biomedical Analysis | 3 |
| [**BMEN 302**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20302) | Professional Development and Ethics in Biomedical Engineering | 2 |
| [**BMEN 340**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20340) | Biochemistry with Engineering Applications | 4 |
| [**BMEN 363**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20363) | Biomedical Instrumentation | 3 |
| **Total Credit Hours** | | **24-26** |
| Course List | | |

**Biomedical Engineering Major Electives (12 hours)**

Students must take 12 credit hours of Biomedical Engineering electives.  Of these 12 credit hours, at most 3 credit hours may come from [**BMEN 499**](https://academicbulletins.sc.edu/search/?P=BMEN%20499).  Undergraduate courses that may be used to satisfy this requirement are listed below.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**BMEN 212**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20212) | Fundamentals of Biomedical Systems (must be passed with a grade of C or better) | 3 |
| [**BMEN 263**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20263) | Introduction to Biomechanics | 3 |
| [**BMEN 290**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20290) | Thermodynamics of Biomolecular Systems | 3 |
| [**BMEN 342**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20342) | Infectious Disease & Immunology for Biomedical Engineers | 3 |
| [**BMEN 346**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20346) | Medical Microbiology for Biomedical Engineers | 3 |
| [**BMEN 389**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20389) | Special Topics in Biomedical Engineering for Undergraduates | 1-3 |
| [**BMEN 392**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20392) | Fundamentals of Biochemical Engineering | 3 |
| [**BMEN 499**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20499) | Independent Research | 1-3 |
| [**BMEN 532**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20532) | Micro/nanofluidics and Lab-on-a-Chip | 3 |
| [**BMEN 537**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20537) | Bio Nano/Micro Electro-Mechanical Systems | 3 |
| [**BMEN 546**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20546) | Delivery of Bioactive Agents | 3 |
| [**BMEN 547**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20547) | Immunoengineering | 3 |
| [**BMEN 548**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20548) | Cardiovascular System: From Development to Disease | 3 |
| [**BMEN 565**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20565) | Advanced Biomechanics | 3 |
| [**BMEN 572**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20572) | Tissue Engineering | 3 |
| [**BMEN 575**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20575) | Engineering of Soft Materials | 3 |
| [**BMEN 589**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20589) | Special Topics in Biomedical Engineering | 1-3 |
| [**ECHE 430**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20430) | Chemical Engineering Kinetics | 3 |
| **ELCT 391** | Biometric Measurements in Healthcare and Wearables | 3 |
| [**EMCH 580**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20580) | Mechanics of Solid Biomaterials | 3 |
| [**EXSC 335**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20335) | Biomechanics of Human Movement |  |
| Course List | | |

* 1. **Biomedical Engineering, B.S.**

Updating Admissions Requirements

Does these admissions requirements differ from the admissions standards currently approved by the Faculty Senate? Yes ~~No~~

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

Updating Overview/ Introduction

**Academic Standards**

**Program GPA**

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Biomedical Engineering B.S. program: all Biomedical Engineering Major courses, all Lower Division Engineering ~~lower division~~ courses, and all ~~courses used to satisfy a~~ Biomedical Engineering Electives. ~~Elective, and all courses used to satisfy an Engineering Elective.~~

Updating Degree Requirements

**Degree Requirements (122-133 ~~(122-136~~ hours)**

See [**College of Engineering and Computing**](https://uscbulletins-next.sc.edu/undergraduate/engineering-computing/) for progression requirements and special academic opportunities.

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core Requirements | 34-43 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 52-54 |
| 4. Major Requirements | 36 |
| Program Summary | |

Updating Carolina Core Requirements

**1. Carolina Core Requirements (34-43 ~~(34-46~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101) *must be passed with a grade of C or higher​*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

*must be passed with a grade of C or higher*

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)

**SCI – Scientific Literacy (8 hours)**

*must be passed with a grade of C or higher*

* [**BIOL 101**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20101)
* [**BIOL 101L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20101L)
* [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111)
* [**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* any overlay or stand-alone [**CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0 ~~(0-3~~ hours)**

* **ENGL 102**
* ~~any overlay or stand-alone~~[**~~CC-INF course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

Updating Program Requirements

**3. Program Requirements (52-54 hours)**

**Supporting Courses (52-54 hours)**

**Foundational Courses (18 hours)**

Complete all of the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**CHEM 112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) | General Chemistry II (must be passed with a grade of C or higher) | 3 |
| [**CHEM 112L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L) | General Chemistry II Lab (must be passed with a grade of C or higher) | 1 |
| [**CHEM 333**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333) | Organic Chemistry I (must be passed with a grade of C or higher) | 3 |
| [**CHEM 331L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20331L) | Essentials of Organic Chemistry Laboratory I | 1 |
| or [**CHEM 333L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333L) | Comprehensive Organic Chemistry Laboratory I | |
| [**MATH 242**](https://uscbulletins-next.sc.edu/search/?P=MATH%20242) | Elementary Differential Equations (must be passed with a grade of C or higher) | 3 |
| [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) | Essentials of Physics I (must be passed with a grade of C or higher) | 3 |
| [**PHYS 211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L) | Essentials of Physics I Lab (must be passed with a grade of C or higher) | 1 |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers | 3 |
| **Total Credit Hours** | | **18** |
| Course List | | |

**Biomedical Engineering Electives (12 hours)**

Students must take 12 credit hours of Biomedical Engineering electives.  Of these 12 credit hours, at most 3 credit hours may come from [**BMEN 499**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20499).  Undergraduate courses that may be used to satisfy this requirement are listed below.  In addition, BMEN courses numbered 700 and above may be used to satisfy this requirement, provided the student is admitted to an Accelerated Bachelor’s/Graduate Program.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**BMEN 342**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20342) | Infectious Disease & Immunology for Biomedical Engineers | 3 |
| [**BMEN 346**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20346) | Medical Microbiology for Biomedical Engineers | 3 |
| [**BMEN 389**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20389) | Special Topics in Biomedical Engineering for Undergraduates | 1-3 |
| [**BMEN 392**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20392) | Fundamentals of Biochemical Engineering | 3 |
| [**BMEN 499**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20499) | Independent Research | 1-3 |
| [**BMEN 532**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20532) | Micro/nanofluidics and Lab-on-a-Chip | 3 |
| [**BMEN 537**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20537) | Bio Nano/Micro Electro-Mechanical Systems | 3 |
| [**BMEN 546**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20546) | Delivery of Bioactive Agents | 3 |
| [**BMEN 547**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20547) | Immunoengineering | 3 |
| [**BMEN 548**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20548) | Cardiovascular System: From Development to Disease | 3 |
| [**BMEN 565**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20565) | Advanced Biomechanics | 3 |
| [**BMEN 572**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20572) | Tissue Engineering | 3 |
| [**BMEN 575**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20575) | Engineering of Soft Materials | 3 |
| [**BMEN 589**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20589) | Special Topics in Biomedical Engineering | 1-3 |
| [**ECHE 430**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20430) | Chemical Engineering Kinetics | 3 |
| **ELCT 391** | Biometric Measurements in Healthcare and Wearables | 3 |
| [**EMCH 580**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20580) | Mechanics of Solid Biomaterials | 3 |
| [**EXSC 335**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20335) | Biomechanics of Human Movement | 3 |
| Course List | | |

**Program Electives (3 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Any Biomedical Engineering Elective | |  |
| Any CSCE course at a 200 level and above | |  |
| Any ECHE course at a 300 level and above | |  |
| Any ELCT course at a 300 level and above | |  |
| Any EMCH course at a 300 level and above | |  |
| Any INDE course at a 300 level and above | |  |
| [**BIOL 102**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20102) | Biological Principles II | 3 |
| [**BIOL 102L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20102L) | Biological Principles II Laboratory | 1 |
| [**BIOL 250**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20250) | Microbiology | 3 |
| [**BIOL 250L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20250L) | Microbiology Laboratory | 1 |
| [**BIOL 270**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20270) | Introduction to Environmental Biology | 3 |
| [**BIOL 270L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20270L) | Introduction to Environmental Biology Laboratory | 1 |
| [**BIOL 301**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20301) | Ecology and Evolution | 3 |
| [**BIOL 302L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20302L) | Cell and Molecular Biology Laboratory | 1 |
| [**BIOL 303**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20303) | Fundamental Genetics | 3 |
| [**BIOL 415**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20415) | Comparative Vertebrate Anatomy | 4 |
| [**BIOL 460**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20460) | Advanced Human Physiology | 3 |
| [**BIOL 505**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20505) | Developmental Biology | 3 |
| [**BIOL 530**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20530) | Histology | 4 |
| [**BIOL 531**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20531) | Parasitology | 4 |
| or [**ENHS 661**](https://uscbulletins-next.sc.edu/search/?P=ENHS%20661) | Parasitology | |
| or [**EPID 661**](https://uscbulletins-next.sc.edu/search/?P=EPID%20661) | Parasitology | |
| [**BIOL 534**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20534) | Animal Behavior | 3 |
| [**BIOL 553**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20553) | Genomics | 3 |
| [**BIOL 610**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20610) | Hallmarks of Cancer | 3 |
| [**BIOL 612**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20612) | Virology - Classical and Emerging Concepts | 3 |
| [**BIOL 620**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20620) | Immunobiology | 3 |
| [**BIOL 635**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20635) | Neurophysiology | 4 |
| [**BIOL 653**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20653) | Bioinformatics | 3 |
| [**BIOL 655**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20655) | Biotechnology | 3 |
| [**BIOL 656**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20656) | Experimental Biotechnology | 4 |
| [**BIOL 662**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20662) | Signal Transduction and Pathogenesis | 3 |
| [**BIOL 665**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20665) | Human Molecular Genetics | 3 |
| [**BIOL 667**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20667) | Molecular and Genetic Mechanisms of Disease Pathogenesis | 3 |
| [**BIOL 690**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20690) | Ultramicroscopy | 3 |
| [**CHEM 321**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20321) | Quantitative Analysis | 3 |
| or [**CHEM 322**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20322) | Analytical Chemistry | |
| [**CHEM 321L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20321L) | Quantitative Analysis Laboratory | 1 |
| or [**CHEM 322L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20322L) | Analytical Chemistry Laboratory | |
| [**CHEM 334**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334) | Organic Chemistry II | 3 |
| [**CHEM 332L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20332L) | Essentials of Organic Chemistry Laboratory II | 1 |
| [**CHEM 340**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20340) | Elementary Biophysical Chemistry | 3 |
| [**CHEM 541**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20541) | Physical Chemistry | 3 |
| [**CHEM 541L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20541L) | Physical Chemistry Laboratory | 2 |
| [**CHEM 542**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20542) | Physical Chemistry | 3 |
| [**CHEM 545**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20545) | Physical Biochemistry | 3 |
| [**CHEM 550**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20550) | Biochemistry | 3 |
| or [**BIOL 541**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541) | Biochemistry | |
| [**CHEM 550L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20550L) | Biochemistry Laboratory | 1 |
| or [**BIOL 541L**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20541L) | Biochemistry Laboratory | |
| [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | Algorithmic Design I | 4 |
| [**EMCH 111**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20111) | Introduction to Computer-Aided Design | 3 |
| [**EXSC 330**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20330) | Exercise Physiology | 3 |
| [**EXSC 562**](https://uscbulletins-next.sc.edu/search/?P=EXSC%20562) | Impairments of the Human Motor System | 3 |
| MATH 241 | Vector Calculus | 3 |
| [**MATH 344**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344) | Applied Linear Algebra | 3 |
| or [**MATH 526**](https://uscbulletins-next.sc.edu/search/?P=MATH%20526) | Numerical Linear Algebra | |
| [**MATH 374**](https://uscbulletins-next.sc.edu/search/?P=MATH%20374) | Discrete Structures | 3 |
| [**MATH 520**](https://uscbulletins-next.sc.edu/search/?P=MATH%20520) | Ordinary Differential Equations | 3 |
| [**MATH 524**](https://uscbulletins-next.sc.edu/search/?P=MATH%20524) | Nonlinear Optimization | 3 |
| [**MATH 544**](https://uscbulletins-next.sc.edu/search/?P=MATH%20544) | Linear Algebra | 3 |
| [**MATH 546**](https://uscbulletins-next.sc.edu/search/?P=MATH%20546) | Algebraic Structures I | 3 |
| [**MATH 547**](https://uscbulletins-next.sc.edu/search/?P=MATH%20547) | Algebraic Structures II | 3 |
| [**MATH 550**](https://uscbulletins-next.sc.edu/search/?P=MATH%20550) | Vector Analysis | 3 |
| [**MATH 552**](https://uscbulletins-next.sc.edu/search/?P=MATH%20552) | Applied Complex Variables | 3 |
| [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management | 3 |
| [**PHYS 212**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212) | Essentials of Physics II | 3 |
| [**PHYS 212L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212L) | Essentials of Physics II Lab | 1 |
| [**PHYS 515**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20515) | Mathematical Physics I | 3 |
| [**PHYS 516**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20516) | Mathematical Physics II | 3 |
| [**PHYS 517**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20517) | Computational Physics | 3 |
| [**STAT 516**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | Statistical Methods II | 3 |
| [**STAT 518**](https://uscbulletins-next.sc.edu/search/?P=STAT%20518) | Nonparametric Statistical Methods | 3 |
| [**STAT 519**](https://uscbulletins-next.sc.edu/search/?P=STAT%20519) | Sampling | 3 |
| [**STAT 520**](https://uscbulletins-next.sc.edu/search/?P=STAT%20520) | Forecasting and Time Series | 3 |
| or [**MGSC 520**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20520) | Forecasting and Time Series | |
| [**STAT 523**](https://uscbulletins-next.sc.edu/search/?P=STAT%20523) | Financial Mathematics II | 3 |
| [**STAT 525**](https://uscbulletins-next.sc.edu/search/?P=STAT%20525) | Statistical Quality Control | 3 |
| or [**MGSC 525**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20525) | Statistical Quality Control | |
| [**STAT 528**](https://uscbulletins-next.sc.edu/search/?P=STAT%20528) | Environmental Statistics | 3 |
| [**STAT 530**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530) | Applied Multivariate Statistics and Data Mining | 3 |
| [**STAT 582**](https://uscbulletins-next.sc.edu/search/?P=STAT%20582) | Bayesian Networks and Decision Graphs | 3 |
| or [**CSCE 582**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20582) | Bayesian Networks and Decision Graphs | |
| [**UNIV 101**](https://uscbulletins-next.sc.edu/search/?P=UNIV%20101) | The Student in the University | 3 |
| Course List | | |

**Lower Division Engineering (19-21 hours)**

Complete all of the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**BMEN 101**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20101) | Introduction to Biomedical Engineering | 1-3 |
| or [**ENCP 101**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20101) | Introduction to Engineering | |
| [**BMEN 212**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20212) | Fundamentals of Biomedical Systems (must be passed with a grade of C or higher) | 3 |
| [**BMEN 240**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20240) | Cellular and Molecular Biology with Engineering Applications (must be passed with a grade of C or higher) | 4 |
| [**BMEN 271**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20271) | Introduction to Biomaterials | 3 |
| [**BMEN 340**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20340) | Biochemistry with Engineering Applications | 4 |
| [**BMEN 345**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20345) | Human Anatomy and Physiology for Biomedical Engineers | 4 |
| **Total Credit Hours** | | **19-21** |
| Course List | | |

* 1. **Chemical Engineering, B.S.E.**

Updating Admissions requirements

Does these admissions requirements differ from the admissions standards currently approved by the Faculty Senate? Yes ~~No~~

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the **Office of Undergraduate Admissions**.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

Updating Degree Requirements

**Degree Requirements (131-139 ~~(131-142~~ hours)**

See [**College of Engineering and Computing**](https://uscbulletins-next.sc.edu/undergraduate/engineering-computing/) for progression requirements and special academic opportunities.

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 34-40 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 64-66 |
| 4. Major Requirements | 33 |
| Program Summary | |

Updating Carolina Core Requirements

**1. Carolina Core Requirements (34-40 ~~(34-43~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101) - *must be passed with a grade of C or higher*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

*must be passed with a grade of C or higher*

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)

**SCI – Scientific Literacy (8 hours)**

*must be passed with a grade of C or higher*

* [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) & [**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)
* [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) & [**PHYS 211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

* [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) (CMS/VSR overlay)

**INF – Information Literacy1 (0 ~~(0-3~~ hours)**

* **ENGL 102**
* ~~any overlay or stand-alone~~[**~~CC-INF course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

* [**PHIL 325**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325) (CMS/VSR overlay)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

Updating Program Requirements

**3. Program Requirements (64-66 hours)**

**Supporting Courses (64-66 hours)**

**Foundational Courses (20 hours)**

Complete all of the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**CHEM 112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) | General Chemistry II (must be passed with a grade of C or higher) | 3 |
| [**CHEM 112L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L) | General Chemistry II Lab (must be passed with a grade of C or higher) | 1 |
| [**CHEM 333**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333) | Organic Chemistry I (must be passed with a grade of C or higher) | 3 |
| [**CHEM 334**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334) | Organic Chemistry II | 3 |
| [**MATH 241**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241) | Vector Calculus | 3 |
| [**MATH 242**](https://uscbulletins-next.sc.edu/search/?P=MATH%20242) | Elementary Differential Equations (must be passed with a grade of C or higher) | 3 |
| [**PHYS 212**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212) | Essentials of Physics II | 3 |
| [**PHYS 212L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212L) | Essentials of Physics II Lab | 1 |
| **Total Credit Hours** | | **20** |
| Course List | | |

**Chemistry Electives (3 hours)**

A list of acceptable Chemistry Elective courses is maintained in the department office and on its website. These include the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**CHEM 321**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20321) | Quantitative Analysis | 3 |
| or [**CHEM 322**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20322) | Analytical Chemistry | |
| [**CHEM 511**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20511) | Inorganic Chemistry | 3 |
| [**CHEM 533**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20533) | Comprehensive Organic Chemistry III | 3 |
| [**CHEM 541**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20541) | Physical Chemistry | 3 |
| [**CHEM 542**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20542) | Physical Chemistry | 3 |
| [**CHEM 545**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20545) | Physical Biochemistry | 3 |
| [**CHEM 550**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20550) | Biochemistry | 3 |
| [**CHEM 555**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20555) | Biochemistry/Molecular Biology I | 3 |
| [**CHEM 556**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20556) | Biochemistry/Molecular Biology II | 3 |
| [**CHEM 621**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20621) | Instrumental Analysis | 3 |
| [**CHEM 622**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20622) | Forensic Analytical Chemistry | 4 |
| [**CHEM 623**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20623) | Introductory Environmental Chemistry | 3 |
| [**CHEM 624**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20624) | Aquatic Chemistry | 3 |
| [**CHEM 633**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20633) | Introduction to Polymer Synthesis | 3 |
| [**CHEM 643**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20643) | Computational Chemistry | 3 |
| [**CHEM 644**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20644) | Materials Chemistry | 3 |
| [**CHEM 655**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20655) | Metabolic Biochemistry of Human Disease | 3 |
| Course List | | |

**Chemistry Laboratory Electives (2 hours)**

A list of acceptable Chemical Laboratory Elective courses is maintained in the department office and on its website. These include the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**CHEM 321L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20321L) | Quantitative Analysis Laboratory | 1 |
| or [**CHEM 322L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20322L) | Analytical Chemistry Laboratory | |
| [**CHEM 331L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20331L) | Essentials of Organic Chemistry Laboratory I | 1-2 |
| or [**CHEM 333L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20333L) | Comprehensive Organic Chemistry Laboratory I | |
| [**CHEM 332L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20332L) | Essentials of Organic Chemistry Laboratory II | 1-2 |
| or [**CHEM 334L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20334L) | Comprehensive Organic Chemistry Laboratory II | |
| [**CHEM 541L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20541L) | Physical Chemistry Laboratory | 2 |
| [**CHEM 542L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20542L) | Physical Chemistry Laboratory | 2 |
| [**CHEM 550L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20550L) | Biochemistry Laboratory | 1 |
| [**CHEM 621L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20621L) | Instrumental Analysis Lab | 1 |
| Course List | | |

**Computer Programming Elective (3-4 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select one of the following: | | 3-4 |
| [**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | Scientific Applications Programming |  |
| [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | Algorithmic Design I |  |
| **Total Credit Hours** | | **3-4** |
| Course List | | |

**Lower Division Engineering (14-15 hours)**

Complete all of the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ECHE 101**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20101) | Introduction to Chemical Engineering | 2-3 |
| or [**ENCP 101**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20101) | Introduction to Engineering | |
| [**ECHE 300**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20300) | Chemical Process Principles (must be passed with a grade of C or higher) | 3 |
| [**ECHE 310**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20310) | Introductory Chemical Engineering Thermodynamics (must be passed with a grade of C or higher) | 3 |
| or [**ENCP 290**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20290) | Thermodynamic Fundamentals | |
| [**ECHE 311**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20311) | Chemical Engineering Thermodynamics (must be passed with a grade of C or higher) | 3 |
| [**ECHE 320**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20320) | Chemical Engineering Fluid Mechanics (must be passed with a grade of C or higher) | 3 |
| or [**ENCP 360**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20360) | Fluid Mechanics | |
| **Total Credit Hours** | | **14-15** |
| Course List | | |

**Professional Development Elective (1 hour)**

A list of acceptable Professional Development Elective courses is maintained in the department office and on its website. The list includes the following:

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ECHE 202**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20202) | Exploring the Chemical Engineering Workplace | 1 |
| [**ECHE 203**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20203) | Research in Chemical Engineering | 1 |
| Course List | | |

Update Impact on other units

Does the proposal affect the curriculum, students or academic interest of any other unit at UofSC Columbia or on a Palmetto College Campus? No ~~Yes~~

* 1. **Civil Engineering, B.S.E.**

Updating Admissions Requirements

Does these admissions requirements differ form the admissions standards currently approved by Faculty Senate? Yes ~~No~~

Admissions Requirements

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

Updating Degree Requirements

**Degree Requirements (124-137 ~~(124-142~~ hours)**

See [**College of Engineering and Computing**](https://uscbulletins-next.sc.edu/undergraduate/engineering-computing/) for progression requirements and special academic opportunities.

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 34-43 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 53-69 |
| 4. Major Requirements | 25-37 |
| Program Summary | |

Updating Carolina Core Requirements

**1. Carolina Core Requirements (34-43 ~~(34-46~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)

**SCI – Scientific Literacy (8 hours)**

* [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) & [**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)
* [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) & [**PHYS 211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

Select from the following:

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* [**~~SPCH 140~~**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20140)
* any overlay or stand-alone [**CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0 ~~(0-3~~ hours)**

* **ENGL 102**
* ~~any overlay or stand-alone~~[**~~CC-INF course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

Select from the following:

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* [**~~PHIL 322~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20322)
* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

Updating Program Requirements

**3. Program Requirements (53-69 ~~(65-71~~ hours)**

**Supporting Courses (53-69 ~~(65-71~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Foundational Required Courses** | | **6** |
| [**MATH 242**](https://uscbulletins-next.sc.edu/search/?P=MATH%20242) | Elementary Differential Equations |  |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers |  |
| or [**STAT 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) | Probability | |
| **Foundational Math Elective** | | **3** |
| Select one from the following: | |  |
| [**MATH 241**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241) | Vector Calculus |  |
| [**MATH 300**](https://uscbulletins-next.sc.edu/search/?P=MATH%20300) | Transition to Advanced Mathematics |  |
| [**MATH 344**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344) | Applied Linear Algebra |  |
| **Foundational Math/Science Elective** | | **3-4** |
| Select one from the following: | |  |
| Additional course from Foundational Math Elective category | |  |
| [**CHEM 112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) & [**112L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L) | General Chemistry II and General Chemistry II Lab |  |
| [**PHYS 212**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212) & [**212L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212L) | Essentials of Physics II and Essentials of Physics II Lab |  |
| **Lower Division Engineering** | | **18** |
| [**ECIV 101**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20101) | Introduction to Civil Engineering |  |
| or [**ENCP 101**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20101) | Introduction to Engineering | |
| [**ECIV 111**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20111) | Introduction to Engineering Graphics and Visualization |  |
| or [**ENCP 102**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20102) | Introduction to Computer-Aided Design | |
| [**ECIV 200**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20200) | Statics |  |
| or [**ENCP 200**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20200) | Statics | |
| [**ECIV 201**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20201) | Computational Methods for Civil Engineering |  |
| or [**ENCP 201**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20201) | Introduction to Applied Numerical Methods | |
| [**ECIV 220**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20220) | Mechanics of Solids |  |
| or [**ENCP 260**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20260) | Introduction to the Mechanics of Solids | |
| [**ECIV 360**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20360) | Fluid Mechanics |  |
| or [**ENCP 360**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20360) | Fluid Mechanics | |
| **ECIV Laboratory Courses** | | **2** |
| Select two from the following: | |  |
| [**ECIV 303L**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20303L) | Civil Engineering Materials Laboratory |  |
| [**ECIV 330L**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20330L) | Geotechnical Laboratory |  |
| [**ECIV 340L**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20340L) | Transportation Engineering Laboratory |  |
| [**ECIV 350L**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20350L) | Introduction to Environmental Engineering Laboratory |  |
| [**ECIV 362L**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20362L) | Introduction to Water Resources Engineering Laboratory |  |
| **ECIV Distribution Courses** | | **12** |
| Select one course from four of the following five areas: | |  |
| Environmental Engineering | |  |
| [**ECIV 551**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20551) | Elements of Water and Wastewater Treatment |  |
| [**ECIV 555**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20555) | Principles of Municipal Solid Waste Engineering |  |
| [**ECIV 556**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20556) | Air Pollution Control Engineering |  |
| [**ECIV 557**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20557) | Sustainable Construction for Engineers |  |
| [**ECIV 558**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20558) | Environmental Engineering Process Modeling |  |
| Structural Engineering | |  |
| [**ECIV 325**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20325) | Structural Steel Design |  |
| [**ECIV 327**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20327) | Reinforced Concrete Design |  |
| Transportation Engineering | |  |
| [**ECIV 540**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20540) | Transportation Systems Planning |  |
| [**ECIV 541**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20541) | Highway Design |  |
| [**ECIV 542**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20542) | Traffic Engineering |  |
| [**ECIV 580**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20580) | Railway Engineering I |  |
| Geotechnical Engineering | |  |
| [**ECIV 530**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20530) | Foundation Analysis and Design |  |
| [**ECIV 531**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20531) | Design of Earth Structures |  |
| Water Resources Engineering | |  |
| [**ECIV 560**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20560) | Open Channel Hydraulics |  |
| [**ECIV 562**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20562) | Engineering Hydrology |  |
| [**ECIV 563**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20563) | Subsurface Hydrology |  |
| **Basic Science Elective** | | **3-4** |
| Select one from the following: | |  |
| [**BIOL 110**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20110) | General Biology |  |
| [**BIOL 270**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20270) | Introduction to Environmental Biology |  |
| [**ENVR 101**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20101) | Introduction to the Environment |  |
| [**ENVR 321**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20321) | Environmental Pollution and Health |  |
| [**GEOL 101**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20101) | Introduction to the Earth |  |
| [**GEOL 103**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20103) | Environment of the Earth |  |
| [**MSCI 210**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20210) | Oceans and Society |  |
| [**MSCI 215**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20215) | Coastal Environments of the Southeastern U.S. |  |
| **Engineering, Science, or Mathematics (ESM) Electives** | | **0-14** |
| Students must complete 12-14 hours of ESM electives. Students may choose to complete a concentration within the major, in which case ESM Electives are not required. | |  |
| Select from the following: | |  |
| Additional courses from Foundational Math Elective category, Foundational Math/Science Elective category and Basic Science | |  |
| Additional ECIV courses 300 level and higher | |  |
| [**BIOL 101**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20101) | Biological Principles I |  |
| [**BIOL 102**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20102) | Biological Principles II |  |
| [**BIOL 250**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20250) | Microbiology (and higher) |  |
| [**BMEN 212**](https://uscbulletins-next.sc.edu/search/?P=BMEN%20212) | Fundamentals of Biomedical Systems (and higher) |  |
| [**CHEM 118**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20118) | Computational Chemistry I (and higher) |  |
| [**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | Scientific Applications Programming |  |
| [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | Algorithmic Design I |  |
| [**CSCE 146**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20146) | Algorithmic Design II |  |
| [**CSCE 201**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20201) | Introduction to Computer Security |  |
| [**CSCE 211**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20211) | Digital Logic Design |  |
| [**ECHE 300**](https://uscbulletins-next.sc.edu/search/?P=ECHE%20300) | Chemical Process Principles (and higher) |  |
| [**ECIV 210**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20210) | Dynamics |  |
| or [**ENCP 210**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20210) | Dynamics | |
| [**ELCT 220**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20220) | Electrical Engineering for Non-Majors |  |
| [**ELCT 221**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20221) | Circuits (and higher) |  |
| [**EMCH 290**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20290) | Thermodynamics (or higher (but not [**ENCP 360**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20360)) |  |
| [**ENCP 290**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20290) | Thermodynamic Fundamentals (and higher (but not [**ENCP 360**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20360)) 2 |  |
| [**ENVR 331**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20331) | Integrating Sustainability (but not [**ENCP 360**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20360)) |  |
| [**ENVR 501**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20501) | Special Topics in the Environment |  |
| [**ENVR 533**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20533) | Sustainability Projects Course |  |
| [**GEOG 347**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20347) | Water as a Resource |  |
| [**GEOG 563**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20563) | Advanced Geographic Information Systems |  |
| [**GEOL 302**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20302) | Rocks and Minerals (or above) |  |
| [**ITEC 233**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20233) | Introduction to Computer Hardware and Software (or higher) |  |
| [**MATH 520**](https://uscbulletins-next.sc.edu/search/?P=MATH%20520) | Ordinary Differential Equations |  |
| [**MATH 521**](https://uscbulletins-next.sc.edu/search/?P=MATH%20521) | Boundary Value Problems and Partial Differential Equations |  |
| [**MATH 544**](https://uscbulletins-next.sc.edu/search/?P=MATH%20544) | Linear Algebra |  |
| [**MATH 550**](https://uscbulletins-next.sc.edu/search/?P=MATH%20550) | Vector Analysis |  |
| [**MSCI 305**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20305) | Ocean Data Analysis (and higher) |  |
| [**NAVY 201**](https://uscbulletins-next.sc.edu/search/?P=NAVY%20201) | Naval Ships Systems I (and higher) |  |
| [**NAVY 202**](https://uscbulletins-next.sc.edu/search/?P=NAVY%20202) | Naval Ships Systems II |  |
| [**NAVY 301**](https://uscbulletins-next.sc.edu/search/?P=NAVY%20301) | Navigation/Naval Operations I |  |
| [**PHYS 291**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20291) | Einstein’s Relativity: Understanding by Example (and higher) |  |
| [**STAT 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) | Probability |  |
| [**STAT 512**](https://uscbulletins-next.sc.edu/search/?P=STAT%20512) | Mathematical Statistics |  |
| [**STAT 513**](https://uscbulletins-next.sc.edu/search/?P=STAT%20513) | Theory of Statistical Inference |  |
| [**STAT 516**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | Statistical Methods II |  |
| [**STAT 520**](https://uscbulletins-next.sc.edu/search/?P=STAT%20520) | Forecasting and Time Series |  |
| [**STAT 587**](https://uscbulletins-next.sc.edu/search/?P=STAT%20587) | Big Data Analytics |  |
| **Career Electives** | | **6** |
| Select two courses from the following: | |  |
| Additional courses from Foundational Math Elective category, Foundational Math/Science Elective category, Basic Science category and ESM Elective category. | |  |
| Additional ECIV courses 300 level and higher | |  |
| [**ACCT 222**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20222) | Survey of Accounting |  |
| [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | Introduction to Economics |  |
| [**FINA 333**](https://uscbulletins-next.sc.edu/search/?P=FINA%20333) | Finance and Markets |  |
| [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management |  |
| [**MGSC 290**](https://uscbulletins-next.sc.edu/search/?P=MGSC%20290) | Computer Information Systems in Business |  |
| [**MKTG 350**](https://uscbulletins-next.sc.edu/search/?P=MKTG%20350) | Principles of Marketing |  |
| **Total Credit Hours** | | **53-69** |
| Course List | | |

Updating Major Requirements

**4. Major Requirements (25-37 ~~(25~~ hours)**

**Major Courses**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**ECIV 303**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20303) | Civil Engineering Materials | 3 |
| [**ECIV 307**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20307) | Professional Development for Civil Engineers | 3 |
| [**ECIV 320**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20320) | Structural Analysis I | 3 |
| [**ECIV 330**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20330) | Introduction to Geotechnical Engineering | 3 |
| [**ECIV 340**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20340) | Introduction to Transportation Engineering | 3 |
| [**ECIV 350**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20350) | Introduction to Environmental Engineering | 3 |
| [**ECIV 362**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20362) | Introduction to Water Resources Engineering | 3 |
| [**ECIV 470**](https://uscbulletins-next.sc.edu/search/?P=ECIV%20470) | Civil Engineering Design | 4 |
| **Total Credit Hours** | | **25** |
| Course List | | |

**Concentrations**

Students may choose to complete a concentration below in place of the 12 hours of Engineering, Science, or Mathematics (ESM) Electives.

**Environmental Engineering Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select any two courses from the following: | | 6 |
| **ECIV 551** | Elements of Water and Wastewater Treatment |  |
| **ECIV 555** | Principles of Municipal Solid Waste Engineering |  |
| **ECIV 556** | Air Pollution Control Engineering |  |
| Select 6 credit hours from the following: | | 6 |
| **ECIV 490** | Special Topics |  |
| **Or ECIV 590** | Intermediate Special Topics | |
| **ECIV 499** | Independent Study in Civil and Environmental Engineering |  |
| **ECIV 502** | Life Cycle Assessment of Engineered Systems |  |
| **ECIV 551** | Elements of Water and Wastewater Treatment |  |
| **ECIV 555** | Principles of Municipal Solid Waste Engineering |  |
| **ECIV 556** | Air Pollution Control Engineering |  |
| **ECIV 557** | Sustainable Construction for Engineers |  |
| **ECIV 558** | Environmental Engineering Process Modeling |  |
| **ECIV 562** | Engineering Hydrology |  |
| **ECIV 563** | Subsurface Hydrology |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Geotechnical Engineering Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **ECIV 530** | Foundation Analysis and Design | 3 |
| **Or ECIV 531** | Design of Earth Structures | |
| Select 9 hours from the following: | | 9 |
| **ECIV 327** | Reinforced Concrete Design |  |
| **ECIV 490** | Special Topics |  |
| **or ECIV 590** | Intermediate Special Topics | |
| **ECIV 499** | Independent Study in Civil and Environmental Engineering |  |
| **ECIV 530** | Foundation Analysis and Design |  |
| **ECIV 531** | Design of Earth Structures |  |
| **ECIV 533** | Geosynthetics and Geotechnical Design of Landfills |  |
| **ECIV 535** | Geotechnical Engineering in Transportation |  |
| **ECIV 539** | Experimental Methods in Geotechnical Engineering |  |
| **ECIV 563** | Subsurface Hydrology |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Structural Engineering Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **ECIV 325** | Structural Steel Design | 3 |
| **or ECIV 327** | Reinforced Concrete Design | |
| **ECIV 520** | Structural Analysis II | 3 |
| Select 6 hours of the following: | | 6 |
| **ECIV 325** | Structural Steel Design |  |
| **ECIV 327** | Reinforced Concrete Design |  |
| **ECIV 490** | Special Topics |  |
| **or ECIV 590** | Intermediate Special Topics | |
| **ECIV 499** | Independent Study in Civil and Environmental Engineering |  |
| **ECIV 524** | Structural Vibrations |  |
| **ECIV 526** | Timber and Masonry Design |  |
| **ECIV 530** | Foundation Analysis and Design |  |
| **ECIV 588** | Design of Railway Bridges and Structures |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Water Resources Engineering Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select two of the following: | | 6 |
| **ECIV 560** | Open Channel Hydraulics |  |
| **ECIV 562** | Engineering Hydrology |  |
| **ECIV 563** | Subsurface Hydrology |  |
| Select 6 hours of the following: | | 6 |
| **ECIV 490** | Special Topics |  |
| **or ECIV 590** | Intermediate Special Topics | |
| **ECIV 499** | Independent Study in Civil and Environmental Engineering |  |
| **ECIV 502** | Life Cycle Assessment of Engineered Systems |  |
| **ECIV 531** | Design of Earth Structures |  |
| **ECIV 551** | Elements of Water and Wastewater Treatment |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

* 1. **Computer Engineering, B.S.E.**

Updating Admission Requirements

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

Updating Overview/ Introduction

**Accreditation**

The Computer Engineering Program is accredited by the Engineering Accreditation Commission of ABET, [**http://www.abet.org**](http://www.abet.org/).

**Academic Standards**

**Program GPA**

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Computer Engineering B.S.E. program: all Lower Division Computing courses, Computer Engineering Major, Computer Engineering Electives, Electrical Engineering courses, and [**CSCE 390**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20390).

**Exclusions**

No Computer Engineering course may be counted toward a minor. All other required courses and electives may be used for a minor as appropriate. [**CSCE 101**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20101) and [**CSCE 102**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20102) are not major courses and may not be used for degree credit.

**~~Minimum Course Grades~~**

~~The Computer Engineering B.S.E. program requires that a grade of “C” or better be earned in each of the following courses:~~[**~~ENGL 101~~**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)~~,~~[**~~ENGL 102~~**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)~~,~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~,~~[**~~MATH 142~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)~~,~~[**~~MATH 374~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20374)~~,~~[**~~PHYS 211~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211)~~,~~[**~~PHYS 211L~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)~~, and all CSCE courses applied to the degree.~~

Updating Degree Requirements

**Degree Requirements (120-128 ~~(125-134~~ hours)**

See [**College of Engineering and Computing**](https://uscbulletins-next.sc.edu/undergraduate/engineering-computing/) for progression requirements and special academic opportunities.

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 35-41 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 57-58 |
| 4. Major Requirements | 27-30 |
| Program Summary | |

Updating Program Requirements

**3. Program Requirements (57-58 ~~(57~~ hours)**

**Supporting Courses (57 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Foundational Courses** | |  |
| [**MATH 241**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241) | Vector Calculus | 3 |
| [**MATH 242**](https://uscbulletins-next.sc.edu/search/?P=MATH%20242) | Elementary Differential Equations | 3 |
| [**MATH 344**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344) | Applied Linear Algebra | 3 |
| [**MATH 344L**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344L) | Applied Linear Algebra Lab | 1 |
| [**MATH 374**](https://uscbulletins-next.sc.edu/search/?P=MATH%20374) | Discrete Structures (must be passed with a grade of C or higher) | 3 |
| [**PHYS 212**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212) | Essentials of Physics II | 3 |
| [**PHYS 212L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212L) | Essentials of Physics II Lab | 1 |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers | 3 |
| [**ENGL 462**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20462) | Technical Writing | 3 |
| or [**ENGL 463**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20463) | Business Writing | |
| **Lower Division Computing** | |  |
| Must be passed with a grade of C or higher: | |  |
| [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | Algorithmic Design I | 4 |
| [**CSCE 146**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20146) | Algorithmic Design II | 4 |
| [**CSCE 190**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20190) | Computing in the Modern World | 1 |
| [**CSCE 211**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20211) | Digital Logic Design | 3 |
| [**CSCE 212**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20212) | Introduction to Computer Architecture | 3 |
| [**CSCE 215**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20215) | UNIX/Linux Fundamentals | 1 |
| [**CSCE 240**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20240) | Advanced Programming Techniques | 3 |
| [**CSCE 274**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20274) | Robotic Applications and Design | 3 |
| **Electrical Engineering** | |  |
| [**ELCT 102**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20102) | Electrical Science | 3 |
| [**ELCT 201**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20201) | Introductory Electrical Engineering Laboratory | 3 |
| [**ELCT 221**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20221) | Circuits | 3 |
| [**ELCT 222**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20222) | Signals and Systems | 3 |
| **Total Credit Hours** | | **57** |
| Course List | | |

**Electives (0-1)**

At least 120 degree applicable credits are required to complete the B.S.E. in Computer Engineering. The Computer Engineering curriculum includes 0-1 hours of electives depending on how students fulfill the Carolina Core requirements and their choice of Concentration. Any course in the university can be used to satisfy the elective requirement, including additional electives in the major.

Updating Major Requirements

**4. Major Requirements (27-30 ~~(33-36~~ hours)**

*Must be passed with a grade of C or higher.*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
|  | |  |
| [**CSCE 311**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20311) | Operating Systems | 3 |
| [**CSCE 313**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20313) | Embedded Systems | 3 |
| [**CSCE 350**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20350) | Data Structures and Algorithms | 3 |
| [**CSCE 416**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20416) | Introduction to Computer Networks | 3 |
| [**~~CSCE 490~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20490) | ~~Capstone Computing Project I~~ | ~~3~~ |
| [**CSCE 491**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20491) | Capstone Computer Engineering Project | 3 |
| [**~~CSCE 492~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20492) | ~~Capstone Computing Project II~~ | ~~3~~ |
| [**CSCE 611**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20611) | Advanced Digital Design | 3 |
| **Total Credit Hours** | | **18** |
| Course List | | |

**Major Electives (9 hours)**

Students must complete 9 hours of Major Electives below.  Students may choose to complete a 12-hour concentration in Artificial Intelligence or Cybersecurity in place of the Major Electives.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Select from the following: | | 9 |
| [**CSCE 330**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20330) | Programming Language Structures |  |
| [**CSCE 355**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20355) | Foundations of Computation |  |
| **CSCE 490** | Capstone Computing Project I |  |
| **CSCE 492** | Capstone Computing Project II |  |
| [**ELCT 321**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20321) | Digital Signal Processing |  |
| [**ELCT 331**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20331) | Control Systems |  |
| Other approved CSCE courses numbered 510 and higher | |  |
| **Total Credit Hours** | | **9** |
| Course List | | |

**Concentrations (12 hours)**

Students may choose to complete a 12-hour concentration below in place of the 9 hours of Major Electives.

**Artificial Intelligence Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**CSCE 580**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20580) | Artificial Intelligence | 3 |
| Select three courses from the following: | | 9 |
| [**CSCE 555**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20555) | Algorithms in Bioinformatics |  |
| [**CSCE 567**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20567) | Visualization Tools |  |
| [**CSCE 574**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20574) | Robotics |  |
| [**CSCE 578**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20578) | Text Processing |  |
| [**CSCE 582**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20582) | Bayesian Networks and Decision Graphs |  |
| [**CSCE 585**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20585) | Machine Learning Systems |  |
| [**CSCE 587**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20587) | Big Data Analytics |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**Cybersecurity Concentration (12 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**CSCE 201**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20201) | Introduction to Computer Security | 3 |
| [**CSCE 522**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20522) | Information Security Principles | 3 |
| [**CSCE 548**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20548) | Building Secure Software | 3 |
| Select one course from the following: | | 3 |
| [**CSCE 520**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20520) | Database System Design |  |
| [**CSCE 557**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20557) | Introduction to Cryptography |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

* 1. **Computer Information Systems, B.S.**

Updating admission requirements

Does these admissions requirements differ from the admissions standards currently approved by Faculty Senate? Yes No

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the **Office of Undergraduate Admissions**.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

* 1. **Computer Science, B.S.C.S.**

Updating admissions requirements

Do these admissions requirements differ from the admission standards currently approved by Faculty Senate? Yes No

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the **Office of Undergraduate Admissions**.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the [**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to [**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141) with a grade of “C” or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to [**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141) with a grade of “C” or better.

Updating Carolina Core Requirements

**1. Carolina Core Requirements (35-41 hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*Must be passed with a grade of C or higher.*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

*Must be passed with a grade of C or higher.*

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)

**SCI – Scientific Literacy (8 hours)**

* Two 4-credit hour CC-SCI laboratory science courses

~~Select~~**~~all~~**~~of~~**~~one~~**~~of the following:~~

**~~Either~~**

* [**~~CHEM 111~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111)~~&~~[**~~CHEM 111L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)~~-~~*~~both must be passed with a grade of C or higher~~*
* [**~~CHEM 112~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112)~~&~~[**~~CHEM 112L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112L)

**~~or~~**

* [**~~PHYS 211~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211)~~&~~[**~~PHYS 211L~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)~~-~~*~~both must be passed with a grade of C or higher~~*
* [**~~PHYS 212~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212)~~&~~[**~~PHYS 212L~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**​GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (3 hours)**

* ​[**any CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy**1**(0 hours)**

* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**VSR – Values, Ethics, and Social Responsibility1 (1 hour)**

* [**CSCE 390**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20390) - *must be passed with a grade of C or higher*

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 35 hours.

Updating Program Requirements

**3. Program Requirements (46-55 hours)**

**Supporting Courses (42 hours)**

**Foundational Courses (16 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 241**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241) | Vector Calculus | 3 |
| [**MATH 344**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344) | Applied Linear Algebra | 3 |
| [**MATH 344L**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344L) | Applied Linear Algebra Lab | 1 |
| [**MATH 374**](https://uscbulletins-next.sc.edu/search/?P=MATH%20374) | Discrete Structures (must be passed with a grade of C or higher) | 3 |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers | 3 |
| [**ENGL 462**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20462) | Technical Writing | 3 |
| or [**ENGL 463**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20463) | Business Writing | |
| **Total Credit Hours** | | **16** |
| Course List | | |

**Laboratory Science Requirement (4 hours)**

* A 4-credit hour CC-SCI laboratory science course

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| ~~Select one of the following:~~ | | ~~4~~ |
| [**~~ANTH 161~~**](https://uscbulletins-next.sc.edu/search/?P=ANTH%20161) | ~~Human Origins: An Introduction to Biological Anthropology~~ |  |
| [**~~ASTR 101~~**](https://uscbulletins-next.sc.edu/search/?P=ASTR%20101) | ~~Introduction to Astronomy~~ |  |
| [**~~BIOL 101~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20101) ~~&~~[**~~101L~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20101L) | ~~Biological Principles I and Biological Principles I Laboratory~~ |  |
| [**~~BIOL 110~~**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20110) | ~~General Biology~~ |  |
| [**~~CHEM 111~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) ~~&~~[**~~111L~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L) | ~~General Chemistry I and General Chemistry I Lab~~ |  |
| [**~~CHEM 141~~**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20141) | ~~Principles of Chemistry I~~ |  |
| [**~~ENVR 101~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20101) ~~&~~[**~~101L~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20101L) | ~~Introduction to the Environment and Introduction to the Environment Lab~~ |  |
| [**~~ENVR 200~~**](https://uscbulletins-next.sc.edu/search/?P=ENVR%20200) | ~~Natural History of South Carolina~~ |  |
| [**~~GEOG 201~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20201) | ~~Landform Geography~~ |  |
| [**~~GEOG 202~~**](https://uscbulletins-next.sc.edu/search/?P=GEOG%20202) | ~~Weather and Climate~~ |  |
| [**~~GEOL 101~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20101) | ~~Introduction to the Earth~~ |  |
| [**~~GEOL 103~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20103) | ~~Environment of the Earth~~ |  |
| [**~~GEOL 201~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20201) | ~~Observing the Earth~~ |  |
| [**~~GEOL 215~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20215) ~~&~~[**~~215L~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20215L) | ~~Coastal Environments of the Southeastern U.S. and Coastal Environments of the Southeastern U.S. (Laboratory)~~ |  |
| [**~~GEOL 302~~**](https://uscbulletins-next.sc.edu/search/?P=GEOL%20302) | ~~Rocks and Minerals~~ |  |
| [**~~MSCI 101~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20101) | ~~The Ocean Environment~~ |  |
| [**~~MSCI 102~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20102) | ~~The Living Ocean~~ |  |
| [**~~MSCI 210~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20210) ~~&~~[**~~210L~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20210L) | ~~Oceans and Society and Oceans and Society Laboratory~~ |  |
| [**~~MSCI 215~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20215) ~~&~~[**~~215L~~**](https://uscbulletins-next.sc.edu/search/?P=MSCI%20215L) | ~~Coastal Environments of the Southeastern U.S. and Coastal Environments of the Southeastern U.S. (Laboratory)~~ |  |
| [**~~PHYS 211~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) ~~&~~[**~~211L~~**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L) | ~~Essentials of Physics I and Essentials of Physics I Lab~~ |  |
| **~~Total Credit Hours~~** | | **~~0~~** |
| Course List | | |

**Lower Division Computing (22 hours)**

*Must be passed with a grade of C or higher:*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | Algorithmic Design I | 4 |
| [**CSCE 146**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20146) | Algorithmic Design II | 4 |
| [**CSCE 190**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20190) | Computing in the Modern World | 1 |
| [**CSCE 211**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20211) | Digital Logic Design | 3 |
| [**CSCE 212**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20212) | Introduction to Computer Architecture | 3 |
| [**CSCE 215**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20215) | UNIX/Linux Fundamentals | 1 |
| [**CSCE 240**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20240) | Advanced Programming Techniques | 3 |
| [**CSCE 247**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20247) | Software Engineering | 3 |
| **Total Credit Hours** | | **22** |
| Course List | | |

**Electives (4-13)**

At least 120 degree applicable credits are required to complete the BSCS in Computer Science. The CS curriculum includes 4-13 hours of electives depending on how students fulfill the Carolina Core requirements and their choice of Concentration. Any course in the university can be used to satisfy the elective requirement, including additional electives in the major.

1. **Computer Science Minor**

Updating College name

Molinaroli College of Engineering and Engr & Computing

Updating Minor Requirements

**Minor Requirements (18 Hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Required Courses** | |  |
| [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | Algorithmic Design I | 4 or 3 |
| or [**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | Scientific Applications Programming | |
| [**CSCE 146**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20146) | Algorithmic Design II | 4 |
| [**CSCE 215**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20215) | UNIX/Linux Fundamentals | 1 |
| **Additional Courses:** | |  |
| ~~Select any 9 credit hours of the following:~~ | | ~~9~~ |
| Select any 9 credit hours if using **CSCE 145**, or 10 credit hours if using **CSCE 106**, of the following: | | 9 or 10 |
| All CSCE courses numbered 201 or above (except [**CSCE 205**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20205)) | |  |
| [**MATH 174**](https://uscbulletins-next.sc.edu/search/?P=MATH%20174) | Discrete Mathematics for Computer Science |  |
| or [**MATH 374**](https://uscbulletins-next.sc.edu/search/?P=MATH%20374) | Discrete Structures | |
| or [**MATH 574**](https://uscbulletins-next.sc.edu/search/?P=MATH%20574) | Discrete Mathematics I | |
| **Total Credit Hours** | | **18** |
| Course List | | |

Note: Students cannot receive credit for both [**CSCE 210**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20210) and [**CSCE 212**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20212).

* 1. **Data Science Minor**

Updating Overview/ Introduction

The Minor in Data Science is jointly offered by the Department of Statistics and the Department of Computer Science and Engineering. It corresponds to both the Data Science B.S. and Data Analytics B.S. and is designed for students in any discipline that uses large data sets, including the sciences, engineering, business, mathematics, and the social sciences.

Updating Degree Requirements

**Degree Requirements (18-19 Hours)**

**Prerequisites (3-4 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**MATH 122**](https://uscbulletins-next.sc.edu/search/?P=MATH%20122) | Calculus for Business Administration and Social Sciences | 3 |
| or [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141) | Calculus I | |
| **Total Credit Hours** | | **3** |
| Course List | | |

**Minor Requirements (18 or 19 Hours)**

*must be passed with a grade of C or higher*

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **~~Required Foundation Course~~** | |  |
| [**~~CSCE 145~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | ~~Algorithmic Design I~~ | ~~4~~ |
| ~~or~~[**~~CSCE 106~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | ~~Scientific Applications Programming~~ | |
| **~~Core Computing Courses~~** | |  |
| **Minor Core Courses** | | **12-13** |
| **CSCE 106** | Scientific Applications Programming |  |
| **or CSCE 145** | Algorithmic Design I | |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers |  |
| or [**STAT 515**](https://uscbulletins-next.sc.edu/search/?P=STAT%20515) | Statistical Methods I | |
| or [**STAT 301**](https://uscbulletins-next.sc.edu/search/?P=STAT%20301) | Statistical Methods for Data Analytics | |
| [**~~STAT 530~~**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530) | ~~Applied Multivariate Statistics and Data Mining~~ | ~~3~~ |
| **~~Elective Course~~** | |  |
| ~~Select one of the following:~~ | | ~~3~~ |
| [**CSCE/STAT 587**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20587) | Big Data Analytics |  |
| or [**STAT 530**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530) | Applied Multivariate Statistics and Data Mining | |
| [**CSCE 567**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20567) | Visualization Tools |  |
| or [**STAT 542**](https://uscbulletins-next.sc.edu/search/?P=STAT%20542) | Computing for Data Science | |
| **~~Core Statistics Courses~~** | |  |
| **Minor Elective Courses** | | **6** |
| Some of these options may have additional prerequisites. | |  |
| Select two courses from: | |  |
| Any of [**CSCE 567**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20567), [**CSCE 587**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20587)/[**STAT 587**](https://uscbulletins-next.sc.edu/search/?P=STAT%20587), [**STAT 530**](https://uscbulletins-next.sc.edu/search/?P=STAT%20530) or [**STAT 542**](https://uscbulletins-next.sc.edu/search/?P=STAT%20542) not taken as a minor core course. | |  |
| [**CSCE 146**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20146) | Algorithmic Design II |  |
| [**CSCE 520**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20520) | Database System Design |  |
| **CSCE 556** | Data Analysis in Python: Application to Neuroscience |  |
| [**CSCE 564**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20564) | Computational Science |  |
| [**CSCE 569**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20569) | Parallel Computing |  |
| **CSCE 580** | Artificial Intelligence |  |
| [**CSCE/STAT 582**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20582) | Bayesian Networks and Decision Graphs |  |
| **CSCE 585** | Machine Learning Systems |  |
| **CSCE 588/STAT 531** | Advanced Machine Learning with Implementation |  |
| **MATH 328** | Mathematical Concepts for Data Analytics |  |
| [**MATH 344**](https://uscbulletins-next.sc.edu/search/?P=MATH%20344) | Applied Linear Algebra |  |
| or [**MATH 544**](https://uscbulletins-next.sc.edu/search/?P=MATH%20544) | Linear Algebra | |
| **MATH 374** | Discrete Structures |  |
| **Or MATH 574** | Discrete Mathematics I | |
| **MATH/STAT 511** | Probability |  |
| **MATH 524** | Nonlinear Optimization |  |
| **MATH528** | Mathematical Foundation of Data Science and Machine Learning |  |
| **MATH529** | Introduction to Deep Neural Networks |  |
| **MATH 572** | Mathematical Foundation of Network Science |  |
| **STAT 506** | Introduction to Experimental Design |  |
| [**STAT/MATH 511**](https://uscbulletins-next.sc.edu/search/?P=STAT%20511) | Probability |  |
| [**STAT 512**](https://uscbulletins-next.sc.edu/search/?P=STAT%20512) | Mathematical Statistics |  |
| [**STAT 516**](https://uscbulletins-next.sc.edu/search/?P=STAT%20516) | Statistical Methods II |  |
| ~~Options requiring additional pre-requisites:~~ | |  |
| [**STAT 517**](https://uscbulletins-next.sc.edu/search/?P=STAT%20517) | Advanced Statistical Models |  |
| **STAT 519** | Sampling |  |
| **STAT 531/CSCE 588** | Advanced Machine Learning with Implementation |  |
| [**STAT 535**](https://uscbulletins-next.sc.edu/search/?P=STAT%20535) | Introduction to Bayesian Data Analysis |  |
| **STAT 540** | Computing in Statistics |  |
| **STAT 541** | Advanced SAS Programming |  |
| [**STAT/CSCE 582**](https://uscbulletins-next.sc.edu/search/?P=STAT%20582) | Bayesian Networks and Decision Graphs |  |
| **STAT/BIOL 588** | Genomic Data Science |  |
| **Total Credit Hours** | | **18-19** |
| Course List | | |

Note: The Data Science Minor is designed for students in any discipline that uses large data sets, including Biology, Business, ~~Mathematics,~~ Psychology, etc. Choosing the correct courses is more complicated for students majoring in Computer Engineering, Computer Science, Computer Information Systems, Mathematics, and Statistics.

**Restrictions and Course Substitutions**

The Data Science Minor may not be taken by a student completing the Data Science B.S. or Data Analytics B.S..

No course may be applied to both the Data Science Minor and the Carolina Core, a Major Requirement, or an additional minor.  In the event of a conflict, a Minor Elective Course may be substituted for a Minor Required Course in this minor.

All courses applied to the minor must have been passed with a grade of C or higher.

~~No course used to satisfy a Carolina Core, major, or other minor requirement may be used for the Data Science Minor. In the event of conflict, any elective course may be substituted for a required course in this minor.~~

* 1. **Electrical Engineering, B.S.E.**

Updating Admissions Requirements

Do these admissions requirements differ from the admissions standards currently approved by Faculty Senate? Yes ~~No~~

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

Updating Degree Requirements

**Degree Requirements (126-138 ~~(127-141~~ hours)**

See [**College of Engineering and Computing**](https://uscbulletins-next.sc.edu/undergraduate/engineering-computing/) for progression requirements and special academic opportunities.

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 34-43 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 65-67 |
| 4. Major Requirements | 27 |
| Program Summary | |

Updating Carolina Core Requirements

**1. Carolina Core Requirements (34-43 ~~(34-46~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

*Must be passed with a grade of C or higher.*

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101)
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

*Must be passed with a grade of C or higher.*

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)

**SCI – Scientific Literacy (8 hours)**

*Must be passed with a grade of C or higher.*

* [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) & [**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)
* [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) & [**PHYS 211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

Select from the following:

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* any overlay or stand-alone [**CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0 ~~(0-3~~ hours)**

* **ENGL 102**
* ~~any overlay or stand-alone~~[**~~CC-INF course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

Select from the following:

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

Updating Program Requirements

**3. Program Requirements (65-67 ~~(66-68~~ hours)**

**Supporting Courses (65-67 ~~(66-68~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Foundational Courses** | |  |
| [**UNIV 101**](https://uscbulletins-next.sc.edu/search/?P=UNIV%20101) | The Student in the University | 3 |
| [**EMCH 220**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20220) | Mechanical Engineering Fundamentals for Non-Majors | 3 |
| [**MATH 241**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241) | Vector Calculus (must be passed with a grade of C or higher) | 3 |
| [**MATH 242**](https://uscbulletins-next.sc.edu/search/?P=MATH%20242) | Elementary Differential Equations (must be passed with a grade of C or higher) | 3 |
| [**PHYS 212**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212) | Essentials of Physics II (must be passed with a grade of C or higher) | 3 |
| [**PHYS 212L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212L) | Essentials of Physics II Lab (must be passed with a grade of C or higher) | 1 |
| [**STAT 509**](https://uscbulletins-next.sc.edu/search/?P=STAT%20509) | Statistics for Engineers | 3 |
| **Lower Division Engineering** | |  |
| [**~~CSCE 145~~**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) | ~~Algorithmic Design I (must be passed with a grade of C or higher)~~ | ~~4~~ |
| **CSCE 106** | Scientific Applications Programming | 3 |
| [**CSCE 211**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20211) | Digital Logic Design (must be passed with a grade of C or higher) | 3 |
| [**CSCE 212**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20212) | Introduction to Computer Architecture | 3 |
| [**CSCE 313**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20313) | Embedded Systems | 3 |
| [**ELCT 101**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20101) | Electrical and Electronics Engineering | 1-3 |
| or [**ENCP 101**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20101) | Introduction to Engineering | |
| [**ELCT 102**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20102) | Electrical Science | 3 |
| [**ELCT 201**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20201) | Introductory Electrical Engineering Laboratory | 3 |
| [**ELCT 221**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20221) | Circuits (must be passed with a grade of C or higher) | 3 |
| [**ELCT 222**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20222) | Signals and Systems (must be passed with a grade of C or higher) | 3 |
| **Total Credit Hours** | | **44-46** |
| Course List | | |

**Career Plan Electives (18 hours)**

The student will select 18 hours of Career Plan Electives. These include ELCT courses numbered 430 and higher. These may include up to 6 hours of non-ELCT courses at the 300 level or higher with department approval.  In addition, **CSCE 240** may count towards the 6 hours of non-ELCT courses. Other courses may be approved by the department. Courses can not duplicate a course otherwise applied to the degree.

**General Elective (3 hours)**

The student will select an additional 3 credit hours to satisfy the General Elective.  These include any university course that does not essentially duplicate a course otherwise applied to the degree.

* 1. **Industrial Engineering, B.S.**

Updating Admission Requirements

Do these admissions requirements differ from the admissions standards currently approved by Faculty Senate? Yes ~~No~~

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Admission requirements for freshman are established by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~. Admissions requirements for transfer, major change and readmitted students are established by the College of Engineering and Computing.  For the BS Industrial Engineering program, transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale, and have completed a four-semester Calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of C or better. Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC, and have completed a four-semester Calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of C or better.~~

* 1. **Integrated Information Technology, B.S.**

Does these admissions requirements differ from the admissions standards currently approved by Faculty Senate? Yes ~~No~~

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

Updating Carolina Core Requirements

**1. Carolina Core Requirements (34-40 ~~(34-43~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101) - *must be passed with a grade of C or higher*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (6 hours)**

* [**MATH 174**](https://uscbulletins-next.sc.edu/search/?P=MATH%20174) - *must be passed with a grade of C or higher*
* [**STAT 201**](https://uscbulletins-next.sc.edu/search/?P=STAT%20201)**,** [**STAT 205**](https://uscbulletins-next.sc.edu/search/?P=STAT%20205), or [**STAT 206**](https://uscbulletins-next.sc.edu/search/?P=STAT%20206)

**SCI – Scientific Literacy (7 hours)**

* two [**CC-SCI courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/) from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (3 hours)**

* [**SPCH 140**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20140), [**SPCH 145**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20145), or [**SPCH 230**](https://uscbulletins-next.sc.edu/search/?P=SPCH%20230)

**INF1 – Information Literacy (0 ~~(0-3~~ hours)**

* **ENGL 102**
* ~~any overlay or stand-alone~~[**~~CC-INF course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility (3 hours)**

* [**ITEC 101**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20101)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements**— Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 31 hours.

Updating Program Requirements

**3. Program Requirements (44-50 ~~(41-50~~ hours)**

**Supporting Courses (36-41 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| **Foundational Courses** | |  |
| Select one of the following: | | 3-6 |
| [**RETL 261**](https://uscbulletins-next.sc.edu/search/?P=RETL%20261) & [**262**](https://uscbulletins-next.sc.edu/search/?P=RETL%20262) | Principles of Accounting I and Principles of Accounting II |  |
| or [**ACCT 222**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20222) | Survey of Accounting | |
| [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) | Introduction to Economics 1 | 3 |
| [**SPTE 240**](https://uscbulletins-next.sc.edu/search/?P=SPTE%20240) | Business Law | 3 |
| or [**ACCT 324**](https://uscbulletins-next.sc.edu/search/?P=ACCT%20324) | Survey of Commercial Law | |
| [**HTMT 344**](https://uscbulletins-next.sc.edu/search/?P=HTMT%20344) | Personnel Organization and Supervision | 3 |
| or [**MGMT 371**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20371) | Principles of Management | |
| Select one of the following: | | 3 |
| [**ITEC 242**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20242) | Business Communications |  |
| [**ENGL 462**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20462) | Technical Writing |  |
| [**ENGL 463**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20463) | Business Writing |  |
| [**MGMT 250**](https://uscbulletins-next.sc.edu/search/?P=MGMT%20250) | Professional Communication |  |
| **Lower Division Integrated Information Technology** | |  |
| Must be passed with a grade of C or higher: | |  |
| [**ITEC 233**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20233) | Introduction to Computer Hardware and Software | 3 |
| [**ITEC 293**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20293) | Cybersecurity Operations | 3 |
| [**ITEC 245**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20245) | Introduction to Networking | 3 |
| [**ITEC 264**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20264) | Computer Applications in Business I | 3 |
| [**ITEC 265**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20265) | Introduction to Databases | 3 |
| **Software Programming Language** | |  |
| Select one of the following sequences: | | 6-8 |
| [**CSCE 104**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20104) & [**ITEC 352**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20352) | Program Design and Development and Software Design |  |
| [**ITEC 104**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20104) & [**352**](https://uscbulletins-next.sc.edu/search/?P=ITEC%20352) | Program Design and Development and Software Design |  |
| [**CSCE 145**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20145) & [**146**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20146) | Algorithmic Design I and Algorithmic Design II |  |
| Course List | | |

**1** [**ECON 224**](https://uscbulletins-next.sc.edu/search/?P=ECON%20224) may be satisfied by completing both [**ECON 221**](https://uscbulletins-next.sc.edu/search/?P=ECON%20221) and [**ECON 222**](https://uscbulletins-next.sc.edu/search/?P=ECON%20222), if they were taken prior to the student becoming an IIT major or through transient enrollment.

**Electives (3-14 ~~(0-14~~ hours)**

The IIT curriculum includes 0-14 hours of electives depending on how students fulfill the Carolina Core requirements. Any course in the university can be used to satisfy the elective requirement (including additional electives in the major).

* 1. **Mechanical Engineering, B.S.E.**

Updating Admission Requirements

**Admissions**

**Entrance Requirements**

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the **Office of Undergraduate Admissions**.

Transfer applicants from regionally accredited colleges and universities must have a minimum cumulative 2.75 GPA on a 4.00 scale to enter the Molinaroli College of Engineering and Computing. Current University of South Carolina students, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.

~~Approved Shared Content from /shared/admissions-engineering-computing-undergraduate/  
Last Approved: Feb 1, 2024 12:23pm~~

**~~Admissions~~**

**~~Entrance Requirements~~**

~~Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the~~[**~~Office of Undergraduate Admissions~~**](http://sc.edu/about/offices_and_divisions/undergraduate_admissions/)~~.~~

~~Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing.  In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better.~~

~~Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at USC.   In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to~~[**~~MATH 141~~**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)~~with a grade of “C” or better~~.

Updating Degree Requirements

**Degree Requirements (125 - 134 hours)**

See [**College of Engineering and Computing**](https://uscbulletins-next.sc.edu/undergraduate/engineering-computing/) for progression requirements and special academic opportunities.

**Program of Study**

| **Requirements** | **Credit Hours** |
| --- | --- |
| 1. Carolina Core | 34-43 |
| 2. College Requirements | 0 |
| 3. Program Requirements | 51 |
| 4. Major Requirements | 40 |
| Program Summary | |

Updating Carolina Core Requirements

**1. Carolina Core Requirements (34-43 ~~(34-46~~ hours)**

**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

* [**ENGL 101**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20101) - *must be passed with a grade of C or higher.*
* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102)

**ARP – Analytical Reasoning and Problem Solving (8 hours)**

*Must be passed with a grade of C or higher.*

* [**MATH 141**](https://uscbulletins-next.sc.edu/search/?P=MATH%20141)
* [**MATH 142**](https://uscbulletins-next.sc.edu/search/?P=MATH%20142)

**SCI – Scientific Literacy (8 hours)**

*Must be passed with a grade of C or higher.*

* [**CHEM 111**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111) & [**CHEM 111L**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20111L)
* [**PHYS 211**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211) & [**PHYS 211L**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20211L)

**GFL – Global Citizenship and Multicultural Understanding: Foreign Language  (0-6 hours)**

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

* [**CC-GFL courses**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GHS – ​Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)**

* any [**CC-GHS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)**

* any [**CC-GSS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**AIU – Aesthetic and Interpretive Understanding (3 hours)**

* any [**CC-AIU course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**CMS – Effective, Engaged, and Persuasive Communication: Spoken Component1 (0-3 hours)**

Select from the following:

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* any overlay or stand-alone [**CC-CMS course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**INF – Information Literacy1 (0 ~~(0-3~~ hours)**

Select from the following:

* [**ENGL 102**](https://uscbulletins-next.sc.edu/search/?P=ENGL%20102) (CMW/INF overlay)
* ~~any overlay or stand-alone~~[**~~CC-INF course~~**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**VSR – Values, Ethics, and Social Responsibility1 (0-3 hours)**

Select from the following:

* [**~~PHIL 325~~**](https://uscbulletins-next.sc.edu/search/?P=PHIL%20325)~~(CMS/VSR overlay)~~
* any overlay or stand-alone [**CC-VSR course**](https://uscbulletins-next.sc.edu/undergraduate/carolina-core-courses/)

**1 Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

Updating Program Requirements

**3. Program Requirements (51 ~~(48~~ hours)**

**Supporting Courses (45 ~~(42~~ hours)**

| **Course** | **Title** | | **Credits** |
| --- | --- | --- | --- |
| **Foundational Courses** | | |  |
| [**CSCE 106**](https://uscbulletins-next.sc.edu/search/?P=CSCE%20106) | | Scientific Applications Programming | 3 |
| [**MATH 241**](https://uscbulletins-next.sc.edu/search/?P=MATH%20241) | | Vector Calculus | 3 |
| [**MATH 242**](https://uscbulletins-next.sc.edu/search/?P=MATH%20242) | | Elementary Differential Equations | 3 |
| **Select Math/Science Electives** | | | **9** |
| Select three courses from: [**BIOL 110**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20110) or [**BIOL 301**](https://uscbulletins-next.sc.edu/search/?P=BIOL%20301) and above, [**CHEM 112**](https://uscbulletins-next.sc.edu/search/?P=CHEM%20112) or higher, [**MATH 300**](https://uscbulletins-next.sc.edu/search/?P=MATH%20300) or higher, [**PHYS 212**](https://uscbulletins-next.sc.edu/search/?P=PHYS%20212) or higher, [**STAT 506**](https://uscbulletins-next.sc.edu/search/?P=STAT%20506) or higher course. | | |  |
| **Lower Division Engineering** | | |  |
| [**EMCH 101**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20101) | | Introduction to Mechanical Engineering | 3 |
| or [**ENCP 101**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20101) | | Introduction to Engineering | |
| [**EMCH 111**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20111) | | Introduction to Computer-Aided Design | 3 |
| or [**ENCP 102**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20102) | | Introduction to Computer-Aided Design | |
| [**EMCH 200**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20200) | | Statics (must be passed with a grade of C or higher) | 3 |
| or [**ENCP 200**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20200) | | Statics | |
| [**EMCH 201**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20201) | | Introduction to Applied Numerical Methods | 3 |
| or [**ENCP 201**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20201) | | Introduction to Applied Numerical Methods | |
| [**EMCH 260**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20260) | | Solid Mechanics | 3 |
| or [**ENCP 260**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20260) | | Introduction to the Mechanics of Solids | |
| [**EMCH 290**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20290) | | Thermodynamics | 3 |
| or [**ENCP 290**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20290) | | Thermodynamic Fundamentals | |
| [**ELCT 220**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20220) | | Electrical Engineering for Non-Majors | 3 |
| or [**ELCT 221**](https://uscbulletins-next.sc.edu/search/?P=ELCT%20221) | | Circuits | |
| **Mechanical Engineering Electives** | | |  |
| Select six hours of the following: | | | 6 |
| [**EMCH 308**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20308) | | Introduction to Finite Element Stress Analysis |  |
| **EMCH 330** | | Mechanical Vibrations |  |
| **EMCH 332** | | Kinematics |  |
| [**EMCH 441**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20441) | | Automotive System Fundamentals |  |
| [**EMCH 460**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20460) | | Special Problems |  |
| [**EMCH 497**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20497) | | Design of Thermal Systems |  |
| Any EMCH course numbered 500 or higher | | |  |
| **Total Credit Hours** | | | **45** |
| Course List | | | |

Updating Major Requirements

**4. Major Requirements (40 ~~(43~~ hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**EMCH 310**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20310) | Dynamics | 3 |
| or [**ENCP 210**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20210) | Dynamics | |
| [**~~EMCH 332~~**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20332) | ~~Kinematics~~ | ~~3~~ |
| [**EMCH 354**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20354) | Heat Transfer | 3 |
| [**EMCH 360**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20360) | Fluid Mechanics | 3 |
| or [**ENCP 360**](https://uscbulletins-next.sc.edu/search/?P=ENCP%20360) | Fluid Mechanics | |
| [**EMCH 361**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20361) | Laboratory I | 3 |
| [**EMCH 362**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20362) | Laboratory II | 3 |
| [**EMCH 367**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20367) | Controls | 3 |
| [**EMCH 368**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20368) | Mechatronics | 4 |
| [**EMCH 371**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20371) | Materials | 3 |
| [**EMCH 377**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20377) | Manufacturing | 3 |
| [**EMCH 380**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20380) | Project Management | 3 |
| [**EMCH 427**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20427) | Design I | 3 |
| [**EMCH 428**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20428) | Design II | 3 |
| **Mechanical Design elective:** | |  |
| [**EMCH 327**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20327) | Machine Design | 3 |
| or [**EMCH 394**](https://uscbulletins-next.sc.edu/search/?P=EMCH%20394) | Applied Thermodynamics | |
| **Total Credit Hours** | | **40** |
| Course List | | |

**Course Changes:**

AESP 265 – Updating Prerequisites

Prerequisites: D or better in MATH 242; D or better in EMCH 290 ~~201 or ENCP 201~~

AESP 314 – Updating repeated for credit; Updating course title; Updating prerequisites; updating grade

modes

Can the course be repeated for credit? No ~~Yes~~

Course title: Air-Breathing and Rocket Propulsion Technologies ~~Energy Power and~~

~~Propulsion~~

Prerequisites: D or better in AESP 365 ~~EMCH 290 or ENCP 290~~

Does this course include any alternate grade modes? ~~P – Pass/Fail~~

BMEN 212 – Updating prerequisites

Prerequisites: C or better in MATH 141 ~~CHEM 111~~ or ~~CHEM 141; C or better in~~ MATH 122

~~141~~

BMEN 240 – Updating Prerequisites

Prerequisites: C or better in BIOL 101 ~~C or better in BIOL 101; C or better in CHEM 111 or~~

~~CHEM 141~~

CSCE 180 – Change to course delivery only (DL)

CSCE 215 – Updating prerequisites; Updating grade modes; Updating course restrictions

Prerequisites: C or better in CSCE 145 or CSCE 106 ~~CSCE 145~~

Does this course include any alternate grade modes? ~~A – Audit~~

~~P- Pass/Fail~~

Course restrictions: ~~EC – Molinaroli College of Engineering and Computing ONLY EC~~

CSCE 517 – Updating course description; Updating prerequisites; Updating alternate grade modes

Course description: Methodical approaches for collecting and preserving evidence of

computer crimes. Foundational concepts such as file system structures, MAC times, and

network protocols; tools for extracting evidence; general legal issues. ~~Structure, design, and~~

~~analysis of computer networks; ISO/OSI network architecture.~~

Prerequisites: C or better in CSCE 215

Does this course include any alternate grade modes? ~~P-Pass/Fail~~

EMCH 200 – Updating Prerequisites; Updating pre or corequisites

Prerequisites: ~~C or better in MATH 141~~

Pre or Corequisites: C or better in MATH 142

EMCH 201 – Updating Prerequisites

Prerequisites: ~~D or better in MATH 141~~

EMCH 260 – Updating prerequisites; Updating pre or corequisites

Prerequisites: C or better in ~~MATH 241; C or better in~~ EMCH 200 or ENCP 200

Pre or Corequisites: C or better in MATH 242

EMCH 367 – Updating Prerequisites

Prerequisites: D or better in EMCH 310 or ENCP 210 ~~210; D or better in EMCH 368~~

EMCH 368 – Updating Prerequisites

Prerequisites: D or better in CSCE 106; D or better in ELCT 220 or ELCT 221 ~~221; D or~~

~~better in EMCH 260 or ENCP 260~~

EMCH 380 – Updating pre- or co-requisites?

Does this course have pre- or co-requisites? No ~~Yes~~

EMCH 394 – Updating Prerequisites; updating course repeat

Prerequisites: D or better in EMCH ~~201 or ENCP 201 and EMCH~~ 290 or ENCP 290

Can the course be repeated for credit? No ~~Yes~~

EMCH 427 – Updating prerequisites; Updating pre or corerequisites

Prerequisites: ~~D or better in EMCH 380~~

Pre or co-rerequisites: D or better in EMCH ~~332, EMCH~~ 354, EMCH 362, ~~EMCH 371,~~ and

EMCH 371 ~~368~~

ITEC 552 – Change to Course Delivery Only (DL)

**New Courses:**

CSCE 583

EMCH 574

1. **College of Information and Communications**

**Program Changes:**

1. **Mass Communications, B.A.J.M.C.**

Updating Program Requirements

**3. Program Requirements (13-29 hours)**

**~~Minor or Cognate (12-18 hours)~~**

~~Students must complete either a minor or a cognate from courses outside the SJMC.~~

*~~A minimum grade of C is required in all cognate or minor courses~~*

**Minor (0-18 ~~(18~~ hours) *optional***

A minor is intended to develop a coherent basic preparation in a second area of study.

Courses used to fulfill minor requirements may not be used to fill other degree requirements, except the Founding Documents Requirement (FND). Some FND courses may be applicable to some minors in some cases.

If a minor course is also required for another component of the student's degree, the College will approve an appropriate alternate course, ensuring that a unique, appropriate course fulfills each requirement.

Requirements for all minors currently offered at USC are available in the **Programs A-Z** section of the Undergraduate Academic Bulletin.

All courses used in the minor must be passed with a C or higher.

~~A student in the School of Journalism and Mass Communications 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.~~

**~~Cognate (12 hours)~~**

~~A student in the School of Journalism and Mass Communications may choose to complete a cognate. A cognate requires a minimum of 12 hours of courses in other departments related to the student’s major and/or career goals. Cognate courses may be taken in one or more departments depending on the interest and requirements of the student, but must have approval of the student’s adviser. Journalism courses may not be used in the cognate. At least 6 of the 12 hours must be at the 300-level or higher. No 100 level courses may be used in the cognate.~~

**Electives (13-29 ~~(0-17~~ hours)**

A minimum of 120 degree-applicable credits are required to complete the degree. After all other degree requirements are complete, general electives will fulfill any remaining hours required to reach 120 degree-applicable credits. Courses of a remedial or developmental nature are not applicable to the degree and may not be used to fulfill general elective or any other degree requirement.

~~Electives cannot include courses of a remedial or developmental nature.~~

Updating Major Requirements

**4. Major Requirements (48 hours)**

*A minimum grade of C is required in all major courses*

**Major Courses (33 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**JOUR 101**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20101) | Media and Society | 3 |
| [**JOUR 291**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20291) | Writing for Mass Communications | 3 |
| [**JOUR 303**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20303) | Law and Ethics of Mass Communications | 3 |
| or [**JOUR 304**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20304) | Internet and Social Media Law | |
| Foundational courses requirement: | | 9 |
| [**JOUR 205**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20205) | History and Philosophy of the Mass Media |  |
| [**JOUR 306**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20306) | Theories of Mass Communications |  |
| [**JOUR 311**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20311) | Minorities, Women, and the Mass Media |  |
| Culturally-competent elective course requirement. Select one of the following: | | 3 |
| [**JOUR 307**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20307) | Media, Sports and Race |  |
| [**JOUR 309**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20309) | Hip Hop, Media and Society |  |
| JOUR 312 | Course JOUR 312 Not Found |  |
| [**JOUR 345**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20345) | Gender, Sexuality, and Sports Media |  |
| [**JOUR 398**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20398) | Diversity Topics in Mass Media |  |
| Advanced course requirement. Select three of the following: | | 9 |
| [**JOUR 501**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20501) | Freedom, Responsibility, and Ethics of the Mass Media |  |
| [**~~JOUR 504~~**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20504) | ~~International Mass Communications~~ |  |
| [**JOUR 506**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20506) | Mass Media Criticism |  |
| [**JOUR 507**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20507) | Health Communication: The Science and Practice |  |
| [**JOUR 509**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20509) | Environmental Communication: The Science and Practice |  |
| [**JOUR 542**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20542) | Public Opinion and Persuasion |  |
| [**JOUR 597**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20597) | Internship in Mass Communications |  |
| **Capstone Portfolio Course** | |  |
| [**JOUR 515**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20515) | Mass Communications Capstone Portfolio | 3 |
| **Total Credit Hours** | | **33** |
| Course List | | |

**Major Electives (15 hours)**

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| Five JOUR electives of the students' choice: at least 3 hours and no more than 6 hours must be from the skills courses below. | | 15 |
| [**JOUR 245**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20245) | Live Television Sports Production |  |
| [**JOUR 316**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20316) | Toolkit for Concept Development |  |
| [**JOUR 317**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20317) | Toolkit for Brand Communication: Creative Execution |  |
| [**JOUR 346**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20346) | Graphics for Visual Communications |  |
| [**JOUR 347**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20347) | Photography for Visual Communications |  |
| [**JOUR 361**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20361) & [**361L**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20361L) | Introductory Reporting and Writing and Introductory Reporting and Writing Lab |  |
| [**JOUR 362**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20362) | Editing |  |
| [**JOUR 371**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20371) | Social Media and Mobile Journalism |  |
| [**JOUR 392**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20392) | Podcasting and Audio Production |  |
| [**JOUR 393**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20393) | Digital Signage |  |
| [**JOUR 416**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20416) | Creative: Strategy to Execution |  |
| [**JOUR 437**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20437) | Advanced Public Relations Writing |  |
| [**JOUR 438**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20438) | Media Relations |  |
| [**JOUR 443**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20443) | Sports Announcing |  |
| [**JOUR 444**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20444) | Multimedia Sports Storytelling |  |
| [**JOUR 446**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20446) | Informational Graphics |  |
| [**JOUR 447**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20447) | Video for Visual Communications |  |
| [**JOUR 448**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20448) | Multimedia for Visual Communications |  |
| [**JOUR 449**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20449) | Design of Online Content |  |
| [**JOUR 450**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20450) | Studio and Location Lighting for Still Photography |  |
| [**JOUR 452**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20452) | Photojournalism |  |
| [**JOUR 461**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20461) | Sports Journalism |  |
| [**JOUR 472**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20472) | Power Producing |  |
| **JOUR 472L** | Power Producing Lab |  |
| [**JOUR 482**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20482) | Business Reporting and Writing |  |
| [**JOUR 483**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20483) | Reporting and Writing About the Economy |  |
| [**JOUR 516**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20516) | Advanced Creative Advertising |  |
| [**JOUR 518**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20518) | Brand Communications Practicum/Competitions |  |
| [**JOUR 521**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20521) | Interactive Communication Strategies |  |
| [**JOUR 534**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20534) | Publication Writing and Design |  |
| [**JOUR 538**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20538) | The Bateman Team |  |
| [**JOUR 550**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20550) | Advanced Magazine Article Writing |  |
| [**JOUR 553**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20553) | Motion-Based Graphics for Visual Communications |  |
| [**JOUR 566**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20566) | Magazine Article Writing |  |
| [**JOUR 573**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20573) | Editorial and Opinion Writing |  |
| [**JOUR 576**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20576) | Reporting Public Affairs |  |
| [**JOUR 579**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20579) | Broadcast Announcing |  |
| **Total Credit Hours** | | **15** |
| Course List | | |

**Concentration in Sports Media (12 hours) *Optional***

Students may choose to complete a concentration in sports media. The sports media concentration may be used to fulfill 12 hours of the major elective requirements.

| **Course** | **Title** | **Credits** |
| --- | --- | --- |
| [**JOUR 391**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20391) | Sports Media and Society | 3 |
| Select three elective courses from the following: | | 9 |
| **JOUR 242** | Jobs in the Sports Media |  |
| [**JOUR 243**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20243) | Sports Activism and Media |  |
| [**JOUR 244**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20244) | Special Topics in Sports Media |  |
| [**JOUR 245**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20245) | Live Television Sports Production |  |
| [**JOUR 343**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20343) | Social Media for Sports Media |  |
| **JOUR 344** | SEC Football and Sports Media |  |
| [**JOUR 345**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20345) | Gender, Sexuality, and Sports Media |  |
| [**JOUR 428**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20428) | Super Bowl Commercials |  |
| [**JOUR 443**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20443) | Sports Announcing |  |
| [**JOUR 444**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20444) | Multimedia Sports Storytelling |  |
| [**JOUR 461**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20461) | Sports Journalism |  |
| [**~~JOUR 499~~**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20499) | ~~Special Topics~~ |  |
| [**~~JOUR 597~~**](https://uscbulletins-next.sc.edu/search/?P=JOUR%20597) | ~~Internship in Mass Communications~~ |  |
| **JOUR 472** | Power Producing |  |
| **JOUR 472L** | Power Producing Lab |  |
| **Total Credit Hours** | | **12** |
| Course List | | |

**New Program Proposal:**

Communication, B.A.

**Course Changes:**

ISCI 315 – Updating pre- or co-requisite

Does this course have pre- or co-requisite? No Yes

ISCI 402 – Updating pre- or co-requisite

Does this course have pre- or co-requisites? No ~~Yes~~

ISCI 494 – Updating prerequisites

Prerequisites: C or better in any ISCI course ~~202, ISCI 301, and ISCI 402~~

ISCI 496 – Updating prerequisites

Prerequisites: C or better in any ISCI course ~~202, ISCI 301, and ISCI 402~~

JOUR 220 – Updating course title; Updating prerequisites

Course title: Brand Strategy: Understanding Consumers ~~Account Planning: Mining Insights~~

Prerequisites: C or better in JOUR 101 ~~JOUR 101 and STAT 201 or equivalent~~

JOUR 506 – Adding cross-listing; Updating prerequisites

Cross-listing: COMM 506

Prerequisites: C or better in JOUR 101, or graduate standing ~~JOUR 101~~

JOUR 507 – Adding Cross-listing

Cross-listing: COMM 507

JOUR 509 – Adding Cross-listing

Cross-listing: COMM 509

JOUR 536 – Updating cross-listing; Updating repeated for credit

Cross-listing: COMM 510

Can the course be repeated for credit? No ~~Yes~~

JOUR 560 – Updating prerequisites; Updating pre or corequisites

Prerequisites: C or better in JOUR 442 and JOUR 447, or graduate standing ~~JOUR 446, JOUR~~

~~447, JOUR 449~~

Pre or Corequisites: C or better in JOUR 449, or graduate standing

JOUR 596 – Adding Cross-listing; Updating course description

Cross-listing: COMM 596

Course description: Study abroad course will focus on topics in journalism and mass

communications and will be taught as a study abroad experience. Individual topics will vary

by title. ~~Prerequisites to be announced in class schedule.~~

**New Courses:**

COMM 101

COMM 201

COMM 202

COMM 203

COMM 204

COMM 310

COMM 332

COMM 399

COMM 426

COMM 436

COMM 499

COMM 562

COMM 572

JOUR 422

JOUR 594

1. **College of Social Work**

**Course changes:**

SOWK 481 – Updating ELO; Updating course description; Updating pre or corequisites; Updating

alternate grade modes

Should this course have the Experiential Learning designator? Yes ~~No~~

Course description: Application of generalist social work competencies, theories ~~skills~~ and

code of ethics ~~theories~~ taught in the classroom in a community organizational ~~controlled~~

~~and planned~~ setting.

Pre or Corequisites: C or better in SOWK 382 ~~SOWK 322~~

Does this course include any alternate grade modes? A – Audit

~~S – Standard Letter~~

1. **NJ Arnold School of Public Health**

**Course Changes:**

HPEB 300 – Updating course title; Updating course description; Updating alternate grade modes

Course title: Planning Health Promotion Programs ~~Introduction to Health Promotion,~~

~~Education, and Behavior~~

Course description: Advanced skills in planning, implementing, and evaluating community

health promotion programs to foster behavior changes in high-risk groups and enhance

health outcomes. Examination and application of the PRECEDE-PROCEED Model, and

evidence-based conceptual framework, to strategically plan targeted and focused public

health programs. ~~The historical and philosophical basis, current problems, career~~

~~opportunities, and literature in the health promotion, education, and behavior change~~

~~professions.~~

Does this course include any alternate grade modes? A – Audit

~~P – Pass/Fail~~

**New Courses:**

EXSC 660