This course plan is a recommended sequence for this major. Courses designated as critical (!) may have a deadline for completion and/or affect time to graduation. Please see the Program Notes section for details regarding "critical courses" for this particular Program of Study.



## Graduation Requirements Summary

| Minimum Total <br> Hours | Minimum Major <br> Requirements Hours | College \& Program <br> Requirements Hours | Minimum <br> Carolina Core Hours | Institutional GPA |
| :---: | :---: | :---: | :---: | :---: |
| 122 | 36 | $52-54$ | 34 | 2.00 |

1. Regardless of individual course grades, students must maintain a minimum 2.00 cumulative GPA.
2. Some colleges require a minimum GPA for major courses. Courses indicated in this column are included in the BMEN program GPA of 2.00
3. Students who place into MATH 115 will be required to successfully complete it before taking MATH 141.
4. The Carolina Core provides the common core of knowledge, skill and academic experience for all Carolina undergraduate students.
5. Biomedical Engineering Electives (6 hours): BMEN 342, 346, 389, 392, 499, 532, 537, 546, 547, 548, 565, 572, 575, 589, ECHE 430; EMCH 580, EXSC 335. At most 3 credit hours may come from BMEN 499. 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.
6. Program Electives ( $\mathbf{3}$ hours): The Program Elective may be satisfied by any Biomedical Engineering Elective, any CSCE course at a 200 level and above, as well as any ECHE, ELCT, or EMCH course at a 300 level and above, or any of the following: BIOL 102, 102L, 250, 250L, 270, 270L, 301, 302L, 303, 415, 460, 505, 530, 531 (or ENHS 661/EPID 661), 534, 553, 610, 612, 620, 635, 653, 655, 656, 662, 665, 667, 690; CHEM 321 or 322, 321 L or 322L, 334, 332L, 340, 541, 541L, 542, 545, 550 (or BIOL 541), 550L (or BIOL 541L); CSCE 145, EMCH 111, EXSC 330, 562; MATH 344 (or MATH 526), 374, 520, 524, 544, 546, 547, 550, 552; MGMT 371; PHYS 212, 212L, 515, 516, 517; STAT 516, 518, 519, 520 (or MGSC 520), 523 , 525 (or MGSC 525), 528, 530, 582 (or CSCE 582); UNIV 101
7. Students in the College of Engineering \& Computing are required to demonstrate proficiency in one foreign language equivalent to the 121 course by 1) a score of two or better on the foreign language placement test; or 2) completion of the 109 \& 110 courses in FREN, GERM, LATN, or SPAN or completion of the 121 course in another foreign language. Students who do not place out of the GFL requirement may need to take additional hours to meet this requirement.

## Program Notes:

- Courses identified as "critical" must be completed by the semester in which they are listed in order to ensure a timely graduation due to prerequisite requirements for subsequent required courses.
- All undergraduate students must take a 3-credit course or its equivalent with a passing grade that covers the founding documents. This course may fulfill any requirement in the program of study. Courses that meet this requirement are listed in the academic bulletin.
- A student cannot repeat courses from the College of Engineering and Computing in which they earned a grade of C or better. In addition, a student cannot repeat any course from the College a second time. No more than four courses from the College of Engineering and Computing may be repeated in order to satisfy the requirements for any degree from the College, regardless of satisfactory work. For this purpose, withdrawal from a course with a grade of $\mathbf{W}$ is not regarded as enrollment in that course. A student that does not satisfactorily complete a degree-required College course within two attempts must change major or transfer out of the College of Engineering and Computing.
- The last $25 \%$ of a student's degree must be completed in residence at the University, and at least half of the hours in the student's major courses and in the student's minor courses (if applicable) must be taken at the University.
- Disclaimer: Prerequisites on courses are subject to change. Please refer to Bulletin.

University Requirements: Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the Carolina Core page on the University website

| Codes: |  |  |  |
| ---: | ---: | ---: | :--- |
| CC | Carolina Core | CC-INF | Carolina Core - Information Literacy |
| CC-AIU | Carolina Core-Aesthetic and Interpretive Understanding | CC-INT | Carolina Core - Integrative Course |
| CC-ARP | Carolina Core-Analytical Reasoning and Problem-Solving | CC-SCI | Carolina Core - Scientific Literacy |
| CC-CMS | Carolina Core-Effective, Engaged, and Persuasive Communication: Spoken Component | CC-VSR | Carolina Core - Values, Ethics, and Social Responsibility |
| CC-CMW | Effective, Engaged, and Persuasive Communication: Written Component | CR | College Requirement |
| CC-GFL | Carolina Core-Global Citizenship and Multicultural Understanding: Foreign Language | MR | Major Requirement |
| CC-GHS | Carolina Core - Historical Thinking | PR | Program Requirement |
| CC-GSS | Carolina Core - Social Sciences |  |  |

Disclaimer: Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

