**Undergraduate Biomedical Engineering Curriculum**

**Degree Audit**

|  |  |
| --- | --- |
| **First Name** Type here. | **Last Name** Type here. |
| **UNC PID** Type here. |
| **Email** Type here. |
| **Classification** | [ ]  First Year | [ ]  Sophomore | [ ]  Junior | [ ]  Senior |
| **Expected Graduation Year** Type here. | **and Semester** | [ ]  Spring | [ ]  Fall | [ ]  Summer |
| **BME Specialization** Select. | **Optional 2nd BME Specialization** Select. |
| **Second Major** Type here. | **Minor(s)** Type here. |
| **Pre-Health?** [ ] Yes [ ]  No*(Pre-Med, Pre-Dental, etc...)* | **Study Abroad or Co-Ops?** [ ] Yes [ ]  No**If yes, semester?** Type here. |
| *Please meet with an Advisor as early as possible.* |

**Next Semester’s Plan:** List the courses you plan to enroll in **at both campuses** (UNC + NC State) for the coming semester.

|  |  |  |
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| **Schedule Plan for:** [ ]  **Fall** [ ]  **Spring Year** Type here. |  | **Schedule Plan for: Summer I** |
| **Course** | **Credits** |  | **Course** | **Credits** |
| Type here. | Type here. |  | Type here. | Type here. |
| Type here. | Type here. |  | Type here. | Type here. |
| Type here. | Type here. |  | Type here. | Type here. |
| Type here. | Type here. |  | **Schedule Plan for: Summer II** |
| Type here. | Type here. |  | Type here. | Type here. |
| Type here. | Type here. |  | Type here. | Type here. |
| Type here. | Type here. |  | Type here. | Type here. |

**NC State Courses:** Complete the table for any classes you plan to take at NC State for the coming semester. [Click here](https://drive.google.com/file/d/1RWXUoZwlelDLoV6-3dJjtclHtBFWUBQa/view?usp=drive_link) for information on enrolling in NC State courses.

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| **NC State ID #** Type here. |
| **Course** | **Section #** | **Approved as a Substitute for** | **Semester** |
| Type here. | Type here. | Type here. | Select. |
| Type here. | Type here. | Type here. | Select. |
| Type here. | Type here. | Type here. | Select. |
| Type here. | Type here. | Type here. | Select. |

I understand what courses I must take to complete the requirements for a BME degree and will register for the courses listed for the next semester. I will discuss my degree audit and progress towards a degree with an advisor. If for any reason my plan for next semester changes, I will amend and resubmit my Degree Audit to my advisor.

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| Type here. | Click here. | Type here. | Click here. |
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| Student’s Signature | Date | Adviser’s Signature | Date |

**Four-Year Course Plan:** Indicate completed courses and planned courses. Guidance is available on the [BME Four-Year Flowchart](https://drive.google.com/file/d/1AYSjaBIs7VMAiEMguzDHh67meO5IjV7Y/view?usp=drive_link) and at the hyperlinks included below.

**First Year**

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| **Course** | **Completed** **or Currently Enrolled** | **Or Planned:** |
|  |  | **Semester** | **Year** |
| MATH  | 231  | Calculus of Functions of One Variable |[ ]  Select. | Type here. |
| MATH  | 232  | Calculus of Functions of One Variable II |[ ]  Select. | Type here. |
| PHYS  | 118  | Mechanics/Introductory Calculus-based Mechanics and Relativity |[ ]  Select. | Type here. |
| CHEM  | 101 & 101L  | General Descriptive Chemistry I and Quantitative Chemistry Lab I |[ ]  Select. | Type here. |
| ENGL  | 105 or 105I  | Writing at the Research University |[ ]  Select. | Type here. |
| BIOL  | 101 & 101L  | Principles of Biology with Lab1 |[ ]  Select. | Type here. |
| IDST | 101 | College Thriving |[ ]  Select. | Type here. |
| Type here. | Type here. | First-Year Seminar or First-Year Launch2 |[ ]  Select. | Type here. |
| Type here. | Type here. | Triple-I and Data Literacy |[ ]  Select. | Type here. |
| Type here. | Type here. | Global Language Level 33 |[ ]  Select. | Type here. |

1. BIOL 101 & 101L can be delayed to Sophomore Year if needed.

2. FYS/FYL should double count for a Focus Capacity.

3. Students are strongly encouraged to begin Global Language during their first year, although it can be delayed if needed.

**Sophomore Year**

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| **Course** | **Completed** **or Currently Enrolled** | **Or Planned:** |
|  |  | **Semester** | **Year** |
| BMME | 298 | BME Design and Manufacturing I |[ ]  Select. | Type here. |
| COMP | 116 | Introduction to Scientific Programming *BMME 201 MATLAB for Scientists and Engineers, offered in Summer Session I, may substitute for this class.* |[ ]  Select. | Type here. |
| BMME | 205 (160/215L) | BME Mechanics |[ ]  Fall UNC | Type here. |
| BMME | 209 (150/219L) | BME Material Science |[ ]  Spring UNC | Type here. |
| CHEM | 102/102L | General Descriptive Chem and Lab |[ ]  Select. | Type here. |
| CHEM | 261 | Intro to Organic Chemistry I |[ ]  Select. | Type here. |
| MATH | 233 | Calculus of Functions of Several Variables |[ ]  Select. | Type here. |
| MATH | 383/383L | Linear Algebra and Differential Equations |[ ]  Select. | Type here. |
| PHYS | 119 | Electromagnetism and Optics |[ ]  Select. | Type here. |

**Junior Year** **(**[**Gateway**](https://drive.google.com/file/d/1YIQB-Y2dfMAA5C6aVCZknci7MhuIV-Ye/view?usp=drive_link) **and** [**STEM Elective**](https://docs.google.com/spreadsheets/d/1cm9VQQeoFE7yuMmbzJl1NICmR-P3J_iQ-zkjrI6XETQ/edit?usp=drive_link) **Guidance)**

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| **Course** | **Completed** **or Currently Enrolled** | **Or Planned:** |
|  |  | **Semester** | **Year** |
| BMME | 207 | Fundamentals of Biomedical Electronics |[ ]  Fall UNC | Type here. |
| BMME | 398 | BME Design and Manufacturing II  |[ ]  Select. | Type here. |
| BMME | 301 | Human Physiology: Electrical Analysis |[ ]  Spring UNC | Type here. |
| BMME | 302 | Human Physiology: Mechanical Analysis |[ ]  Fall UNC | Type here. |
| Type here. | Type here. | Gateway Elective 14 |[ ]  Select. | Type here. |
| Type here. | Type here. | Gateway Elective 2 |[ ]  Select. | Type here. |
| Type here. | Type here. | Gateway Elective 3 |[ ]  Select. | Type here. |
| Type here. | Type here. | STEM Elective5 |[ ]  Select. | Type here. |

4. Gateway Electives should be chosen to satisfy the prerequisites of Specialty Electives of interest.

5. Choose a fourth Gateway, a fifth Specialty Elective, or another 300-level or higher science or engineering course; get permission if course is not on the [list](https://docs.google.com/spreadsheets/d/1cm9VQQeoFE7yuMmbzJl1NICmR-P3J_iQ-zkjrI6XETQ/edit#gid=0). If using CHEM 430 as one of the three Gateway Electives, the STEM elective must be an Engineering class.

**Senior Year** **(**[**Specialty Elective**](https://drive.google.com/file/d/1YHgZ-h8amKxWtFwN0LrW95KIGh6cj45k/view?usp=drive_link) **Guidance)**

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| **Course** | **Area** | **Completed** **or Currently Enrolled** | **Or Planned:** |
|  |  |  | **Semester** | **Year** |
| BMME | 697 | Senior Design Project |  |[ ]  **FALL** | Type here. |
| BMME | 698 | Senior Design Project |  |[ ]  **SPRING** | Type here. |
| Type here. | Type here. | Specialty Elective 16 | Select. |[ ]  Select. | Type here. |
| Type here. | Type here. | Specialty Elective 2 | Select. |[ ]  Select. | Type here. |
| Type here. | Type here. | Specialty Elective 3 | Select. |[ ]  Select. | Type here. |
| Type here. | Type here. | Specialty Elective 4 | Select. |[ ]  Select. | Type here. |

6. Specialty Electives must come from one or two of the Specialization Areas.

**General Education Requirements**

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| **Focus Capacities7** | **Completed or Currently Enrolled** |
| Aesthetic and Interpretive Analysis |[ ]
| Engagement with the Human Past |[ ]
| Ethical & Civic Values |[ ]
| Global Understanding and Engagement |[ ]
| Power Difference and Inequality  |[ ]

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| **Reflection and Integration7** | **Completed or Currently Enrolled** |
| High Impact Experience  |[ ]
| Lifetime Fitness  |[ ]
| Campus Life Experience  |[ ]

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7. Other Focus Capacities and Reflection and Integration requirements are met by required courses.