

Bioengineering (Premed)

Sample Schedule

You should discuss with your major mentor before proceeding with the following schedule

Year 1

Fall Semester

| | | | |
|--|---|----------------------------|------|
| Calculus with Applications or Calculus | ECC: Computer Programming for Engineers | First-year Writing Seminar | Core |
|--|---|----------------------------|------|

January or June Term

ECC: Design & Innovation

Spring Semester

| | | | |
|------------------------|--------------------------|--------------------------|------------|
| Multivariable Calculus | Foundations of Science 1 | Foundations of Science 2 | Colloquium |
|------------------------|--------------------------|--------------------------|------------|

Year 2

Fall Semester

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|----------------|---------------------------|---------------|------------------------|
| Linear Algebra | Bioengineering Principles | ECC: Statics | ECC: Conservation Laws |
| | ECC: Digital Logic | ECC: Circuits | ECC: Numerical Methods |

January Term

Colloquium

Spring Semester

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|--------------------------------------|--------------------------|--------------------------|--------------|
| Differential Equations for Engineers | Foundations of Science 3 | Foundations of Science 4 | Biotransport |
| | | | ECC: Ethics |

Year 3

Fall Semester

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|--------------------|--------------------------|--------------------------|------|
| Prob & Stats | Foundations of Science 5 | Foundations of Science 6 | Core |
| Bioinstrumentation | | | |

January Term

Colloquium

Spring Semester (Study-away)

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|---|---|---|---|
| Bioengineering Elective (Engineering track) | Bioengineering Elective (Engineering track) | Bioengineering Elective (Organic Chemistry I) | Bioengineering Elective (Engineering track) |
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Year 4

Fall Semester

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|-------------------|--|--------------|------|
| Capstone Design I | Bioengineering Elective (Organic Chemistry II) | Biomechanics | Core |
| Bioimaging | | Biomaterials | |

Spring Semester

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|--------------------|--------------------|---|------|
| Capstone Design II | Physical Chemistry | Bioengineering Elective (Engineering track) | Core |
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