University of Illinois at Urbana-Champaign

Engineering Pathways Plan of Study[[1]](#footnote-1)

|  |  |  |  |
| --- | --- | --- | --- |
| **Year 1** |  |  |  |
|  | ***Fall*** |  |  |
|  | Calculus I |  |  |
|  | General Chemistry and Lab I |  |  |
|  | Composition I |  |  |
|  | Economics, Micro- or Macro-[[2]](#footnote-2) |  |  |
|  | Engineering Orientation |  |  |
|  |  |  |  |
|  |  |  |  |
|  | ***Spring*** |  |  |
|  | Calculus II |  |  |
|  | General Chemistry and Lab II |  |  |
|  | Composition II |  |  |
|  | Physics: Mechanics |  |  |
|  |  |  |  |
|  |  |  |  |
| **Year 2** |  |  |  |
|  | ***Fall*** |  |  |
|  | Calculus III |  |  |
|  | Physics: Electricity and Magnetism |  |  |
|  | Intro to Computing/Computer Science |  |  |
|  | Statics |  |  |
|  |  |  |  |
|  |  |  |  |
|  | ***Spring*** |  |  |
|  | Differential Equations |  |  |
|  | Physics: Thermal and Quantum |  |  |
|  | \* |  |  |
|  | \* |  |  |
|  | \*major-specific technical courses selected in consultation with advisor | |  |

1. Engineering Pathways is a cohort-based experience. As such, all technical coursework listed in the plan of study must be completed for a grade while enrolled in the program—this includes chemistry, computer science, mathematics, physics, and engineering. Advanced Placement (AP) or other credit applied toward English, economics, and liberal education courses requires an appropriate substitution to maintain total number of hours per semester. [↑](#footnote-ref-1)
2. Credit for at least three liberal education courses, including economics, must be earned prior to transfer. [↑](#footnote-ref-2)