**Chemical Engineering**

*Focus Area*

**Pre-Medicine**

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| **General Education Components[[1]](#footnote-1) (15 semester hours)**  Take 15 s.h. of courses consistent with career goals (Courses helpful for the MCAT are suggested below) | | | | |
|  | | GEC #1 – from *Engineering Be Creative* list | | 3 s.h. |
| PSY:1001 | | GEC #2 – Elementary Psychology | | 3 s.h. |
| PSY:2130 | | GEC #3 – Advanced Psychology for Pre-Medical Track | | 3 s.h. |
| SOC:1010 | | GEC #4 – Introduction to Sociology | | 3 s.h. |
|  | | GEC #5 – from *Approved Course Subjects* list | | 3 s.h. |
| **Statistics Elective (3 semester hours)**  *(Choose One)* | | | | |
| STAT:2020  STAT:3510  CBE:3020 | Probability and Statistics for Engineering and Physical Sciences  Biostatistics  Applied Statistics for Chemical and Natural Resources Engineering (offered in Spring semesters) | | 3 s.h.  3 s.h.  3 s.h. | |
| **Advanced Chemistry/ Science Electives[[2]](#footnote-2) (6 semester hours)** | | | | |
| *(Option 1)*  BIOC:3120 | Biochemistry and Molecular Biology I | | 3 s.h. | |
| BIOC:3130  *(Option 2)*  BIOC:3110 | Biochemistry and Molecular Biology II  Biochemistry  *Advanced Chemistry or Science Course[[3]](#footnote-3)* | | 3 s.h.  3 s.h.  3 s.h. | |
| **Free Electives (12 semester hours)** | | | | |
| BIOL:1411 | Foundations of Biology | | 4 s.h. | |
| BIOL:1412 | Diversity of Form and Function | | 4 s.h. | |
| PHYS:1612 | Introductory Physics II | | 4 s.h. | |

1. <https://www.engineering.uiowa.edu/general-education-component-starting-summer-2015#overlay-context=current-students/academic-support/advising/general-education-component> [↑](#footnote-ref-1)
2. <https://cbe.engineering.uiowa.edu/undergraduate-program/undergraduate-handbook/chemical-engineering-curriculum#Advanced%20Chemical%20Science%20Electives>. Discuss with your CBE faculty advisor if you have questions about your advanced chemistry/science electives. [↑](#footnote-ref-2)
3. A chemistry minor can be obtained if an advanced chemistry course is taken (3000 and above). A recommended science course is MICR:2157 General Microbiology, otherwise an advanced (3000 and above) science course should be taken. [↑](#footnote-ref-3)