**Chemical Engineering**

*Focus Area*

**Chemical Process Engineering**

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| **General Education Components[[1]](#footnote-1) (15 semester hours)** | | |
| GEC | GEC courses consistent with career goals | 15 s.h. |
| **Statistics Elective (3 semester hours)**  *(Choose One)* | | |
| STAT:2020  CBE:3020 | Probability and Statistics for Engineering and Physical Sciences  Applied Statistics for Chemical and Natural Resources Engineering (offered Spring semesters) | 3 s.h.  3 s.h. |
| **Advanced Chemistry/Science Electives[[2]](#footnote-2) (6 semester hours)** | |  |
|  | Advanced Chemistry Course | 3 s.h. |
|  | Advanced Science Course | 3 s.h. |
|  |  |  |
| **Free Electives (12 semester hours from the following list)** | | |
| ENGR:2995 | Intro to AI and Machine Learning in Engineering | 3 s.h. |
| CBE:5410 | Electrochemical Engineering | 3 s.h. |
|  | 3000-level Engineering Course | 3 s.h. |
|  | 3000-level Advanced Mathematics Course | 3 s.h. |
|  | Additional 3000-level Science or/and Engineering Courses | 6 s.h. |

1. <https://www.engineering.uiowa.edu/current-students/academic-information/general-education-component>. Discuss with your CBE faculty advisor if you have questions about your GEC requirement. [↑](#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)