

Chemical Engineering

Elective Focus Area

Pre-Medicine

General Education Components (15 semester hours)

GEC courses consistent with career goals 15 s.h.

Statistics Elective (3 semester hours)

(Recommended: 22S:039)

22S:039 Probability and Statistics for Engineering and Physical Sciences 3 s.h.

Engineering Elective (Minimum of 2 semester hours)

100-level engineering course from the following list 2 s.h.

Recommended Engineering Electives

052:108	Introduction of Biochemical Engineering	3 s.h.
052:222	Advanced Biochemical Engineering	3 s.h.
052:181	Bioseparations	3 s.h.
052:225	Biotechnology of Extremophiles	3 s.h.
052:226	Engineering Aspects of Animal Cell Culture	3 s.h.
053:154	Environmental Microbiology	3 s.h.
052:195	Contemporary Topics (biochemical eng. topics)	1-3 s.h.
052:098	Individual Investigations: Chemical Engineering	1-3 s.h.
(100-level or higher)	Advanced Engineering course	

Advanced Chemistry Electives (10 semester hours)

099:120	Biochemistry and Molecular Biology I	3 sh
099:130	Biochemistry and Molecular Biology II	3 sh
099:140	Experimental Biochemistry	4 sh

Free Electives (12 semester hours from the following list)

029:082	Introductory Physics II	4 s.h.
002:010	Principles of Biology I	4 s.h.
002:011	Principles of Biology II	4 s.h.