

Chemical and Biochemical Engineering, MS

Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

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Course	Title	Hours
Academic Career		
Any Semester		
33 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Hours		0
First Year		
Fall		
CBE:5104	Introduction to Literature Review and Technical Writing	3
CBE:5120	Data Science in Chemical and Engineering Systems	3
ENGR:7270	Engineering Ethics ^b	1
Elective course ^c		3
Hours		10
Spring		
CBE:3205 or CBE:5425 or CBE:5315	Introduction to Biochemical Engineering ^d or Atmospheric Chemistry and Physics or Polymer Chemistry	3
CBE:5110	Intermediate Thermodynamics	3
Elective course ^c		3
Hours		9
Second Year		
Fall		
CBE:5100	Graduate Professional Development Seminar ^e	1
Elective course ^c		3
Elective course ^c		3
Elective course ^c		2
Hours		9
Spring		
CBE:5100	Graduate Professional Development Seminar ^e	1
CBE:5115	Transport Phenomena I	3
Elective course ^c		3

Exam: Master's Final Exam

Hours	7
Total Hours	35

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Must be completed during first semester.
- c Work with faculty advisor to determine appropriate graduate coursework and sequence.
- d CBE:5315 is typically offered only during fall semesters .
- e Students must take this course in each of their final two semesters in the program; credit earned does not count toward the 33 s.h. required to complete the degree.