Mechanical Engineering, PhD

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.

Mechanical Engineering, PhD

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. must be graduate level coursework; a maximum of 30 s.h. of graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. [a, b, c]		
	Hours	**0**
First Year		
Any Semester		
Qualifying Exam [d]		
	Hours	**0**
Fall		
ENGR:7270	Engineering Ethics [e, f]	1
ME required course		3
ME required course		3
ME required course		3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
	Hours	**11**
Spring		
ME required course		3
ME required course		3
Elective course [h]		3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
	Hours	**10**
Second Year		
Fall		
ME required course		3
ME required course		3
Elective course [h]		3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
	Hours	**10**
Spring		
ME required course		3
ME required course		3
Elective course [h]		3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
	Hours	**10**
Third Year		
Any Semester		
Dissertation Prospectus [i]		
Comprehensive Exam [j]		
	Hours	**0**
Fall		
ME required course		3
Elective course [h]		3
ME:7299	Research: Mechanical Engineering PhD Dissertation [k]	3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
	Hours	**10**
Spring		
ME required course		3
Elective course [h]		3
ME:7299	Research: Mechanical Engineering PhD Dissertation [k]	3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
	Hours	**10**
Fourth Year		
Fall		
Elective course [h]		3
Elective course [h]		3
ME:7299	Research: Mechanical Engineering PhD Dissertation [k]	3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
	Hours	**10**
Spring		
Elective course [h]		3
Elective course [h]		3
ME:7299	Research: Mechanical Engineering PhD Dissertation [k]	3
ME:6191	Graduate Seminar: Mechanical Engineering [f, g]	1
Final Exam [l]		
	Hours	**10**
	Total Hours	**81**

a A minimum of 42 s.h. (not including thesis research) must be from courses taken beyond the BS degree. Of these a minimum of 12 s.h. must be from Mechanical Engineering courses numbered 6000 or higher. Students may also select Mechanical Engineering courses numbered 4100 or higher except for ME:4186 which is not eligible for graduate credit.

b Students may design their program around a particular research and study area; see General Catalog and ME website for specifics. Work with faculty advisor to determine appropriate graduate level coursework and sequence.

c 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.

d Complete two qualifying exam courses during first two semesters in the program; must take ME:5113 plus one graduate level course in a focus area with a grade of A-minus or higher in each. Focus area courses are chosen in consultation with the faculty advisor from a specified list.

More information is found in the General Catalog and on department website.

e Must be completed during first semester.

f Credit for this course does not substitute for regular coursework or research credit hours.

g Attendance required every fall and spring semester until degree completion.

h Work with academic advisor to determine elective graduate coursework and sequence.

i Submit dissertation prospectus to the exam committee not later than two weeks before the comprehensive exam.

j Oral exam to be completed after passing the qualifying exam and upon completion of coursework in the specified area of study no later than 28 months after entering the doctoral program. The exam will focus on the dissertation prospectus and related areas.

k Complete a minimum 12 s.h. of credit in thesis research.

l Dissertation defense.