

Genetics, 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.

Genetics, PhD

Course	Title	Hours
Academic Career		
Any Semester		
72 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		
Graduate College program GPA of at least 3.00 is required. ^b		
Hours		0
First Year		
Fall		
BMED:5207	Principles of Molecular and Cellular Biology	3
GENE:6150	Genetic Analysis of Biological Systems	3
GENE:6210	Seminars in Genetics	1
GENE:7301	Graduate Research in Genetics ^c	8
Hours		15
Spring		
GENE:6200	Current Topics in Genetics ^d	1
GENE:6210	Seminars in Genetics	1
GENE:7301	Graduate Research in Genetics ^c	6
GENE:6234	Basic Biostatistical Methods with Genetics Applications	1
Core Genetics course ^e		3 - 4
Elective course ^f		3
Hours		15-16
Second Year		
Fall		
BMED:7270	Scholarly Integrity/Responsible Conduct of Research I	0
GENE:6210	Seminars in Genetics	1
GENE:7301	Graduate Research in Genetics ^c	11
Elective course ^f		3
Hours		15
Spring		
BMED:7271	Scholarly Integrity/Responsible Conduct of Research II	0
GENE:6200	Current Topics in Genetics ^d	1
GENE:6210	Seminars in Genetics	1
GENE:7301	Graduate Research in Genetics ^c	11
Elective course ^f		2
Hours		15

Third Year

Fall

Exam: Doctoral Comprehensive Exam		
GENE:6210	Seminars in Genetics	1
GENE:7301	Graduate Research in Genetics	1
Hours		2

Spring

GENE:6200	Current Topics in Genetics ^d	1
GENE:6210	Seminars in Genetics	1
Hours		2

Fourth Year

Fall

GENE:6210	Seminars in Genetics	1
GENE:7301	Graduate Research in Genetics	1
Hours		2

Spring

GENE:6200	Current Topics in Genetics ^d	1
GENE:6210	Seminars in Genetics	1
Hours		2

Fifth Year

Fall

GENE:6210	Seminars in Genetics	1
GENE:7301	Graduate Research in Genetics	1
Hours		2

Spring

GENE:6200	Current Topics in Genetics ^d	1
GENE:6210	Seminars in Genetics	1
Exam: Doctoral Final Exam ^g		
Hours		2
Total Hours		72-73

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 Graduate College program GPA is comprised of all courses that are approved degree requirements. If a student takes more than the minimum required number of semester hours to complete the degree, but all courses taken are eligible to count toward the degree, those courses will be included in the Graduate College program GPA.

c If needed, adjust the number of semester hours for GENE:7301 so total enrollment equals 15 s.h.

d Counts toward the 5 s.h. seminar degree requirement. e Choose from: BIOL:3172, BIOL:3713, BIOL:4333, GENE:7191, or take an equivalent course with advisor approval.

f Take 8 s.h. from coursework in molecular and microbial genetics, cell and development genetics, human genetics, or computational genetics. Work with faculty advisor to select appropriate courses from approved list.

g Program seminar followed by the dissertation defense.