Integrated Biology, 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.

Integrated Biology, MS

Course	Title	Hours
Academic Career		
Any Semester		
30 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, b]		
	Hours	**0**
First Year		
Fall		
BIOL:5312	Critical Analysis of Biological Research: Concepts, Methods, and Interpretation [c]	2
BIOL:5412	Fundamental Genetics: Graduate Lecture [d, e]	3
BIOL:6199	Research: Biology [f, g]	2
BIOL:6298	Concepts, Models, and Systems in Biology (COSMOS) Seminar I [h]	1
BIOL:7270	Principles of Scholarly Integrity	1
	Hours	**9**
Spring		
BIOL:6199	Research: Biology [f, g]	1
BIOL:6299	Concepts, Models, and Systems in Biology (COSMOS) Seminar II [i, j]	2
Advanced lecture course [e, f]		3 - 4
Data informatics course [f]		3 - 4
	Hours	**9-11**
Second Year		
Fall		
BIOL:5512	Readings in Genetics [c]	2
BIOL:6199	Research: Biology [f, g]	1
BIOL:6298	Concepts, Models, and Systems in Biology (COSMOS) Seminar I [h]	1
Elective course [f]		3
	Hours	**7**
Spring		
BIOL:6188	Seminar: Writing in Natural Sciences [k]	2
BIOL:6199	Research: Biology [g]	1
BIOL:6299	Concepts, Models, and Systems in Biology (COSMOS) Seminar II [i, j]	2
Exam: Master's Final Exam [l]		
	Hours	**5**
	Total Hours	**30-32**

a Students who take coursework to make up for undergraduate deficiencies (e.g., physics, biochemistry, or fundamental genetics) may not count that coursework towards the degree requirements.
b 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.
c Students must earn a B-minus or above in both BIOL:5312 and BIOL:5512; students who earn a lower grade in either will be required to retake the course.
d Students who completed an equivalent course during their undergraduate studies may select another advanced lecture course; see the General Catalog for list of approved courses.
e Students may substitute one advanced lecture course with three 1 s.h. alternative advanced lecture courses; six of the 1 s.h. courses may be substituted for the two advanced lecture courses. See the General Catalog for list of approved courses.
f See the General Catalog for list of approved courses.
g Students are permitted to apply a maximum of 5 s.h. of BIOL:6199 toward elective requirements.
h Taken two fall semesters for 1 s.h. each.
i Taken two spring semesters for 2 s.h. each.
j Students must take BIOL:6299 on an A-F graded basis. They may substitute another 2 s.h. seminar with approval of the director of graduate studies.
k Students must take BIOL:6188 on an A-F graded basis.
l Thesis defense.