Science Education, BA

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.

Science Education, BA

Course	Title	Hours
Academic Career		
Any Semester		
Admission to the Teacher Education Program, College of Education, is by competitive application. For information about application requirements, process, and deadlines, please see the College of Education's website.		
For specific information regarding requirements in the College of Education, please see the General Catalog.		
Students must earn another major at the University of Iowa in order to earn the BA in science education. Both degrees may be earned at the same time. [a]		
Graduates who have earned one of these degrees at another institution and wish to earn the BA in science education should consult the Department of Teaching and Learning; additional coursework may be required. [a]		
GE CLAS Core: Sustainability [b]		
	Hours	**0**
First Year		
Fall		
RHET:1030 or ENGL:1200	Rhetoric: Writing and Communication or Interpreting Literature	3 - 4
GE CLAS Core: World Languages First Level Proficiency [c]		4 - 5
CSI:1600	Success at Iowa	1
Course(s) required for second degree, including a course that applies to the GE CLAS Core Natural Sciences area - consult sample plan for chosen program [a]		4
	Hours	**12-14**
Spring		
PSQF:1075	Educational Psychology and Measurement	3
RHET:1030 or ENGL:1200	Rhetoric: Writing and Communication or Interpreting Literature	3 - 4
GE CLAS Core: World Languages Second Level Proficiency [c]		4 - 5
Course(s) required for second degree, including a course that applies to the GE CLAS Core Natural Sciences area - consult sample plan for chosen program [a]		3 - 8
	Hours	**13-20**
Second Year		
Any Semester		
10-hour pre-admission school field experience [d]		
	Hours	**0**
Fall		
EPLS:3000	Foundations of Education	3
Major Elective: societal and educational applications course [e]		4
GE CLAS Core: World Languages Third Level Proficiency [c]		4 - 5
Course(s) required for second degree - consult sample plan for chosen program [a]		7 - 9
Prepare materials for Teacher Education Program application (e.g. essays, letters of recommendation) [f]		
	Hours	**18-21**
Spring		
EDTL:4900	Foundations of Special Education	3
GE CLAS Core: Quantitative or Formal Reasoning [g, h]		3
GE CLAS Core: World Languages Fourth Level Proficiency [c]		4 - 5
Course(s) required for second degree - consult sample plan for chosen program [a]		7 - 9
Admission Application: apply to the Teacher Education Program [f]		
	Hours	**17-20**
Third Year		
Fall		
EDTL:3002	Teaching and Learning Technologies	2
EDTL:3091	Secondary Education Program Orientation and Classroom Management	3
EDTL:3095	Teaching Reading in Secondary Content Areas	1
EDTL:4750	Assessment in Science, Technology, Engineering, and Mathematics (STEM) [i]	2
EDTL:4751	Learning in the Science, Technology, Engineering, and Mathematics (STEM) Classroom [i]	2
Major Elective: societal and educational applications course [e]		4
GE CLAS Core: Social Sciences [h]		3
Course(s) required for second degree - consult sample plan for chosen program [a]		6 - 7
	Hours	**23-24**
Spring		
EDTL:4752	Secondary Science Methods II With Field Experience [j]	3
EPLS:4180	Human Relations for the Classroom Teacher	3
GE CLAS Core: Historical Perspectives [h]		3
GE CLAS Core: Literary, Visual, and Performing Arts [h]		3
Course(s) required for second degree - consult sample plan for chosen program [a]		6 - 10

Apply for student teaching (see the College of Education website for application instructions and deadlines)		
	Hours	**18-22**
Fourth Year		
Fall		
EDTL:4753	Secondary Science Methods III With Field Experience [i]	3
EDTL:4779	Secondary School Science Practicum [i]	2
SIED:4135	The Nature of Science	4
GE CLAS Core: International and Global Issues [h]		3
Course(s) required for second degree - consult sample plan for chosen program [a]		6 - 7
	Hours	**18-19**
Spring		
EDTL:4087	Seminar: Curriculum and Student Teaching	3
EDTL:4091	Observation and Laboratory Practice in the Secondary School	6
EDTL:4092	Observation and Laboratory Practice in the Secondary School	6
Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall) [k]		
	Hours	**15**
	Total Hours	**134-155**

a Approved majors for the second degree include a BA in biology, a BS in biology, a BA in chemistry, a BS in chemistry, a BA in earth and environmental sciences, a BS in earth and environmental sciences, a BA in geographical and sustainability sciences, a BS in geographical and sustainability sciences, a BA in physics, a BS in physics, or a BS in science studies.

b Sustainability must be completed by choosing a course that has been approved for Sustainability AND for one of these General Education areas: Natural Sciences; Quantitative or Formal Reasoning; Social Sciences; Historical Perspectives; International and Global Issues; Literary, Visual, and Performing Arts; or Values and Society.

c Students who have completed four levels of a single language or two levels of two different languages in high school or college have satisfied the GE CLAS Core World Languages requirement. Students who have completed three levels of a single language may complete a fourth-level course in the same language or may choose an approved World Language and Cultural Exploration course. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course. Contact your academic advisor or CLAS Undergraduate Programs Office with questions concerning the World Languages requirement.

d Complete the College of Education 10-hour pre-admission school field experience verification form available on the Teacher Education Program web page.

e Students must complete two of SIED:4102, SIED:4103, SIED:4105, SIED:4106, or SIED:4110.

f Please see the College of Education website for detailed application instructions and deadlines. Admission is selective and a priority deadline exists.

g Choose a course that will satisfy the Teacher Education Program math requirement.

h GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.

i Typically this course is offered in fall semesters only. Check MyUI for course availability since offerings are subject to change.

j Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.

k Please see Academic Calendar, on Office of the Registrar website, for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Degree Services.