

SECONDARY EDUCATION: SCIENCE/CHEMISTRY (9-12) MAJOR

Important Notes

- 40% of major requirements must be completed at Judson.
- 40% of major requirements must be upper division.
- No grade lower than C- in any education or major coursework is allowed. A minimum Major GPA (including transfer work) of 2.75 is required.
- Students must formally apply and be accepted into the program prior to the Junior year; this process is in addition to University admission.
- All students must pass the applicable ISBE Content Area Exam(s) for licensure. This must be done prior to taking EDU411 Student Teaching (12 c.h.).
- All students must receive a passing score on the edTPA - ISBE for licensure.

Additional Notes

- Bilingual, ESL and LBS1, Middle Grades, and Physical Education endorsements are available with this major. Endorsements will make the candidates more marketable for employment by learning more about specific high-needs areas.

Pre-Requisites Required by Major

- PSY111 Introduction to Psychology (3 c.h.) (fulfills Gen Ed Social Science Requirement)
- BIO177 Environmental Science w/Lab (4 c.h.) (fulfills Gen Ed Science Requirement)
- EDU301 Reflecting on the Conversation (1 c.h.) recommended (fulfills Gen Ed GEN301 Requirement)

Major Requirements

Code	Title	Hours
Education Component		
EDU101	Explorations in Education	3
EDU102	Day of Assessments	0
EDU131	Practicum I, Diversity	0
EDU201	Strategic Education	2
EDU202	Development and Learning	3
EDU214	Foundation of Language - Minority Education	3
EDU231E	Practicum II, Tchr Aid:Elgin Area	1
EDU231H	Practicum II, Tchr Aid:Hometown	0
EDU313	Cross-Cultural Education	3
EDU325	Literacy Across the Curriculum	3
EDU331	Practicum III, Instr Assist	1
EDU337	Educational Assessments	3
EDU340	Intro to Secondary Methods	3
EDU346	Science Methods - Secondary	3
EDU411	Student Teaching ¹	12
EDU491	Senior Seminar	3
SPE328	Exceptional Child	3

Science Core

BIO171	Principles of Biology w/Lab	4
BIO177	Environmental Science w/Lab	4
CHM153	General Chemistry I w/Lab	4
PHS241	Earth Science w/Lab	4
PHS245	Astronomy w/Lab	4
PHY237	General Physics I w/Lab	4
PHY238	General Physics II w/Lab	4

Chemistry Designation

CHM154	General Chemistry II w/Lab	4
CHM255	Analytical Chemistry w/Lab	5
CHM257	Organic Chemistry I w/Lab	5
CHM258	Organic Chemistry II w/Lab	5

Total Hours **93**

¹ EDU411 Student Teaching (6-12 c.h.) consists of 2 7-week sessions, and should be taken for a total of 12 credit hours.

Bachelor of Arts in Secondary Education (9-12): Chemistry (Four-Year Plan)

Academic planning is the student's responsibility. This Graduation Plan is designed to be a guide to assist students as they plan their course selections. This is only a suggested schedule, and is not a substitute for a student's Advising Worksheet, nor the Program Requirements in the Judson University Catalog. Actual course selections should be made with the advice and approval of an academic advisor. Students should become familiar with the catalog in effect at the time at which they entered the institution. Course requirements and sequencing may vary with AP courses, transfer courses, English/math placement, or other conditions.

A full-time course load for undergraduate students is 12-18 credits per semester. Illinois residents receiving state aid should register for 15 hours per semester.

In addition to the courses below, chapel is required for all traditional full-time students (i.e., those taking 12 or more credit hours), both residents and commuters. This course counts as 1 credit towards a student's full-time status within the term, but does not earn credits towards graduation.

Course	Title	Hours
First Year		
First Semester		
ENG101	Expository Writing	3
SPC120	Foundations of Speech	3
GEN101 or ESS101	Questions of Life: Entering the Judson Conversation ¹ or Wellness	1
Physical Activity course		1
MAT211 or MAT215	Functions and Calculus I or Calculus w/Analytic Geometry I	3-5
CHM153	General Chemistry I w/Lab	4
		Hours
		15-17
Second Semester		
BST110	Intro to the Christian Bible	3
HIS262	History of Civilization II	3
EDU101	Explorations in Education	3
EDU102	Day of Assessments	0
EDU131	Practicum I, Diversity	0
BIO171	Principles of Biology w/Lab	4

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CHM154	General Chemistry II w/Lab	4
Hours		17
Second Year		
First Semester		
ENG102	Critical Thinking and Writing	3
EDU202	Development and Learning	3
EDU214	Foundation of Language - Minority Education	3
PHY237	General Physics I w/Lab	4
CHM255	Analytical Chemistry w/Lab	5
Hours		18
Second Semester		
PSY111	Introduction to Psychology	3
THS110	Christian Faith: Understanding and Application	3
EDU201	Strategic Education	2
EDU231E	Practicum II, Tchr Aid: Elgin Area	1
EDU231H	Practicum II, Tchr Aid: Hometown	0
EDU313	Cross-Cultural Education	3
PHY238	General Physics II w/Lab	4
Hours		16
Third Year		
First Semester		
EDU301	Reflecting on the Conversation ²	1
EDU337	Educational Assessments	3
EDU340	Intro to Secondary Methods	3
SPE328	Exceptional Child	3
PHS241	Earth Science w/Lab	4
CHM257	Organic Chemistry I w/Lab	5
Hours		19
Second Semester		
EDU325	Literacy Across the Curriculum	3
EDU346	Science Methods - Secondary	3
PHS245	Astronomy w/Lab	4
CHM258	Organic Chemistry II w/Lab	5
Hours		15
Summer Semester		
EDU331	Practicum III, Instr Assist	1
Hours		1
Fourth Year		
First Semester		
EDU411	Student Teaching	12
EDU491	Senior Seminar	3
Gen Ed Visual and Performing Arts Elective		3
Hours		18
Second Semester		
Gen Ed Biblical Studies Elective		3
Gen Ed History Elective ³		3
Gen Ed Upper Division English Elective		3
GEN401	The Good Life: Continuing the Conversation	3
BIO177	Environmental Science w/Lab	4
Hours		16
Total Hours		135-137

¹ First-time students (those entering college directly from high school) should take GEN101; transfer students should take ESS101

² GEN301 equivalent

³ HIS261 History of Civilization I (3 c.h.) recommended