

Advising for Secondary Education Dual Major with
Indiana Chemistry Grades 5-12 (Chemistry Major)



General Education Requirements -13 units

Core Curriculum Requirement (CCRs)	Units Req.	Course
FY Experience/FY Seminar	0.5	
LA-Literary and Artistic Perspectives #1	1.0	
LA-Literary and Artistic Perspectives #2	1.0	
HS-Historical and Social Perspectives #1	1.0	
HS-Historical and Social Perspectives #2	1.0	
RP- Philosophical Perspectives	1.0	
RP-Religious Perspectives	1.0	
SL-Algorithmic Methods	1.0	
SM-Mathematical Methods	1.0	
SM- Scientific Methods	1.0	
WL-World Languages and Cultures #1	1.0	
WL-World Languages and Cultures #2 (sequential)	2.0	
AF-Health and Fitness (Applied) #1	0.25	
AF-Health and Fitness (Applied) #2	0.25	
Total CCR units	13 units	
Areas of Competency and Engagement (ACES)		Course
W1-Writing	1	
W2-Writing	1	
S-Speaking	1	
CP-Cultural Perspectives	1	
QL- Quantitative Reasoning	1	
	5 units	

Educator Prep. Certification Requirements	Units Req.	Course Semester
EDU 221 Education and the American Culture	1	
EDU 231 Education Law and Ethics	1	
EDU 314 Teaching Middle School (EDU Admission Required)	1	
EDU 315 Teaching High School (EDU Admission Required)	1	
EDU 337 Secondary Methods in Sciences (EDU Admission Required)	1	
EDU 455 Student Teaching in Secondary Schools (EDU Admission Required)	4	
Cognate Courses (Required)		
PSY 111 Basic Principals of Psychology	1	
PSY 244 Childhood and Adolescence	1	
	11 total	

Optional Dual Licensure in Special Education Available (5 units)

**See Teaching Diverse Learners Program Advising Sheet*

Secondary Education Major Additional Requirements	Units Req.	Course Semester
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EDU 252 Professional Collaboration	1	
EDU 255 Classroom Management & PBIS	1	
EDU 306 Integrating Technologies in Instruction	1	
EDU 461 Education Senior Seminar	1	
EDU 499 Comprehensive examination	-	
	4 units ADDIT'L	

Chemistry Major Course Requirements

Chemistry Major Requirements for Bachelor of Arts <i>(Consult Chemistry Faculty for Bachelor of Science Requirements)</i>	Units	Course Semester
CHE 161	1	
CHE 185	1	
CHE 221	1	
CHE 222	1	
CHE 325	1	
CHEM 372	1	
CHE Elective 1 (from 311, 312, 324, 326, 341, 351)	1	
BIO Elective 2 (from 311, 312, 324, 326, 341, 351)	1	
BIO Elective 3 (from 311, 312, 324, 326, 341, 351)	1	
CHEM 471 Culminating Experience	1	
BIO 499 Comprehensive Exam	-	
COGNATE COURSES		
MAT 121	1	
PHY 161 or 162	1	
PHY 185 or 186	1	
Total for Chemistry major <i>*All courses except 301 have and integrated laboratory experience.</i>	13 TOTAL	

Please refer to the academic catalog for complete details on graduation requirements.

While the academic advisors and other personnel are available for assistance, the primary responsibility for taking appropriate and required courses to meet graduation requirements rests with the student.

Compliance with regulations established by the Indiana Department of Education may alter the Education Department policies, curricula, and course content regardless of the student's enrollment date in the program.

NOTES: