

# EDUCATION- AYA

This major is 96 credits • *2018-2019 Catalog Year*

*Revised: 10-30-2018*

CAREERS & POST-GRADUATE WORK  
Recent Heidelberg graduates with this degree are ...

Teaching

## TEACHING AREA: BIOLOGY/CHEMISTRY

### MAJOR ACADEMIC PLAN (MAP): A SAMPLE 4-YEAR PLAN

This MAP is a guide for students preparing for course selections. This is a suggested schedule. Actual course selections should be made with the advice of your advising specialist or faculty advisor. For course descriptions, pre-requisites, and rotations (e.g., fall or spring only classes, classes taught in alternate years), consult the Heidelberg University Undergraduate Catalog. **Students should work with a faculty member in their content area in addition to their Education faculty advisor.**

### Students must apply for admission to the Educator Preparation Program

To be admitted into the licensure program, students must have a grade of “C-“ or better in EDU 110, PSY 101, EDU 200 and seminar, and EDU 220. Student must also have an ACT composite or super score of 21 or higher or SAT score of 1000 or higher. Students must also register to take the OAE: APK test. Students must also have a **minimum GPA of 3.0** and current FBI and BCI background checks. Students will not be permitted to register for or take education courses above the 300 level until they are accepted into the program.

## FIRST-YEAR FALL

Course	Prerequisites	Hrs	Notes
HEI 101: Advise, Inspire, Mentoring Program		1	Required of all first-year students.
WRI 101: College Writing II		3	
EDU 110: Vital Connections		2	Ohio law requires that all persons working in schools with students must complete both an Ohio criminal background check and an FBI criminal background check, conducted by the Bureau of Criminal Identification Investigation (BCII). This includes all education majors who are registered for any course with a field experience component.
BIO 123: Biology + BIO 123 Lab		4	
MTH 121: Elementary Functions	Placement	3	<b>Mathematics Placement Assessment</b> score determines placement in MTH courses and eligibility for non-MTH Quantitative Literacy (Q) courses. <b>Work with a faculty member in the content area regarding math pre-requisites for Chemistry and Physics courses.</b>
CHM 111: General Chemistry I	Placement into MTH 121 or C- or higher in MTH 120	4	
Total Credits:		17	

## FIRST-YEAR SPRING

Course	Prerequisites	Hrs	Notes
HEI 102: Advise, Inspire, Mentoring Program	HEI 101	0	Required of all first-year students.
COM 100: Public Speaking & Engagement		3	
PSY 101: General Psychology		3	
BIO 124: Biology II	BIO 123	4	
CHM 112: General Chemistry II	Passing grade in CHM 111	4	
General Education/Honors Courses/ Content Courses		1	
Total Credits:		<b>15</b>	

## SECOND-YEAR FALL

Course	Prerequisites	Hrs	Notes
EDU 200: Growth & Development	2.5 GPA; C- or higher in EDU 110 and PSY 101	3	EDU 200 must be taken with EDU 208
EDU 208: Growth & Development Seminar AYA		1	
EIS 271: Individuals with Exceptionalities		3	
CHM 201: Organic Chemistry I	C- or higher in CHM111 and CHM112	4	
Total Credits:		<b>15</b>	

## SECOND-YEAR SPRING

Course	Prerequisites	Hrs	Notes
EDU 220: Principles of Teaching	2.75 GPA; C- or higher in EDU 200, PSY 101	3	<b>Apply for Admission to Educator Preparation Program.</b> Students enrolled in EDU 220 should register to take the state mandated pedagogy assessment prior to the end of the course.
EDU 228: Principles of Teaching Seminar		1	
EIS 267: Diversity Experience	2.75 GPA, C- or higher in EDU 110, PSY 101	0	Requires Instructor Approval
CHM 202: Organic Chemistry II	C- or higher in CHM201	4	
CHM 210: Quantitative Analysis	C- or better in CHM112.	4	
General Education/Honors Courses/Content Courses		4	
Total Credits:		<b>16</b>	

### THIRD-YEAR FALL

Course	Prerequisites	Hrs	Notes
BIO 213: Field Biology <b>OR</b>	BIO 123 & 124	4	
ENS 334	BIO123, BIO124 and a statistics course; COM100; WRI101 Juniors and seniors only	4	*Need one stats course (MTH 119 or MTH 219)
BIO 223: Genetics	BIO 123	4	
PHY 101: General Physics I	Placement into MTH 121 or C- or higher in MTH 120	4	
General Education/Honors Courses/Content Courses		7	Consider completing the <b>Foreign Language Requirement</b> : Students not in the Honors Program must complete a foreign language to the 102-level or equivalent. Placement is based on the Foreign Language Assessment and some students may need to begin at the 101-level.
Total Credits:		<b>15</b>	

### THIRD-YEAR SPRING

Course	Prerequisites	Hrs	Notes
EDU 350: Reading to Learn in Content Area	3.0 GPA; C- or higher in COM 100, EDU 220, PSY 101, WRI 101	3	Must take concurrently with EDU 396
EDU 396: Methods in Science		3	
CHM 307: Physical Chemistry	C- or better in CHM202 and CHM210; C- or better in PHY101 and PHY102; C- or better in MTH222	3	
PHY 102: General Physics II	PHY 101	4	
BIO 224: Cell & Molecular Biology	BIO 223	4	
Total Credits:		<b>17</b>	

### FOURTH-YEAR FALL

Course	Prerequisites	Hrs	Notes
GEO 101: Physical Geology		3	
BIO 363: Human Anatomy & Physiology I	Junior/Senior Standing, BIO 110 and 110L or BIO 123 and 123L	4	
General Education/Honors Courses/Content Course		8	
Total Credits:		<b>15</b>	

## FOURTH-YEAR SPRING

Course	Prerequisites	Hrs	Notes
EDU 400: Curriculum & Organization of Schools	3.0 GPA, C- or better in PSY 101, EDU 350, EDU 396 Senior level only	2	Must be taken concurrently with EDU 428
EDU 416: Seminar in Education		2	Must be taken concurrently with EDU 428
EDU 428: Student Teaching in AYA		8	Earn state passing scores on all state mandated tests required for their licensure area. (Check with Education department on which tests you need to pass).
EIS 380: Principles of Assessment	3.0 GPA, C- or higher in PSY101, EDU 220, and EDU 350, EDU 386	2	Must be taken concurrently with EDU 416 and 428
EIS 468: Communication & Collaboration	3.0 GPA, and C- or higher in PSY 101, EDU 350, EDU396	2	
<b>Total Credits:</b>		<b>16</b>	

### INTERVENTION SPECIALIST

**THE INTERVENTION SPECIALIST LICENSE MAY BE ADDED TO ANOTHER LICENSE. THE ISP LICENSE PREPARES TEACHERS TO WORK WITH CHILDREN WITH MILD/MODERATE DISABILITIES. CANDIDATES ARE REQUIRED TO TAKE THE FOLLOWING COURSES (26 SEMESTER HOURS) AND PASS SPECIFIC OAE ASSESSMENTS IN ORDER TO APPLY FOR THIS LICENSE.**

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| <ul style="list-style-type: none"> <li>• EDU 230: Foundations of Reading</li> <li>• EDU 344 (early) or EDU 347 (multi-age) or EDU 350 (middle and AYA)</li> <li>• EDU 414: Diagnosis of Reading Difficulties</li> </ul> | <ul style="list-style-type: none"> <li>• EIS 273: Applied Behavior Analysis for Teachers</li> <li>• EIS 285: Phonics/Word Identification</li> <li>• EIS 350: Curriculum and Methods for Mild/Moderate Disabilities</li> <li>• EIS 361: Reading &amp; Language Arts for Mild/Moderate Disabilities</li> <li>• EIS 379: Prescriptive Assessment and Diagnosis</li> <li>• EIS 471: Career/Vocational Development &amp; Life Skills</li> </ul> | <p>Four Credits in EDU 429: Student Teaching</p> <p>Four additional hours from</p> <ul style="list-style-type: none"> <li>• EDU 426: Student Teaching Early Childhood</li> <li>• EDU 427: Student Teaching Middle Childhood</li> <li>• EDU 428: Student Teaching Adult/AYA</li> <li>• EDU 430: Student Teaching Multi-Age</li> </ul> |
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