

EDUCATION- AYA MATHEMATICS

This major is 79 credits • *2018-2019 Catalog Year*
Revised: 11.19.18

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

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 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 or 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.
MTH 222: Calculus	MTH 121 or placement	3	Mathematics Placement Assessment score determines placement in MTH courses and eligibility for non-MTH Quantitative Literacy (Q) courses
CPS 150: Fundamentals of Computer Science	Placement into, completion of, or concurrent enrollment in a 100-level or higher MTH course	4	
General Education/Honors Support Courses		2	
Total Credits:		15	

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	
MTH 223: Calculus II	MTH 222	3	
CPS 201: Computational Problem Solving	CPS 150	3	
General Education/Honors Courses		3	
Total Credits:		15	

SECOND-YEAR FALL

Course	Prerequisites	Hrs	Notes
EDU 200: Growth & Development	C - or higher in EDU 110 and PSY 101	3	Must take EDU 208 concurrently with EDU 200
EDU 208: Growth & Development Seminar	C - or higher in EDU 110 and PSY 101	1	
EIS 271: Individuals with Exceptionalities		3	
MTH 307: Calculus III	MTH 223	3	The advanced math courses are every other year courses. Check catalog for when they are offered.
General Education/Honors Support Courses		5	Consider completing the Foreign Language Requirement : 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:		15	

SECOND-YEAR SPRING

Course	Prerequisites	Hrs	Notes
EDU 220: Principles of Teaching	2.75 GPA, and C- or higher in EDU200, PSY101	3	Students enrolled in EDU 220 should register to take the state mandated pedagogy assessment prior to the end of the course. During EDU 220, students should apply for admission to the Education Licensure Program.
EDU 228: Principles of Teaching Seminar	2.75 GPA, and C- or higher in EDU200, EDU208, PSY10	1	EDU 228 must be taken with EDU 220
EIS 267: Diversity Experience	2.75 GPA, C- or better in EDU 110, PSY 101	0	EIS 267 requires instructor approval
MTH 303: Linear Algebra	MTH 222	3	The advanced math courses are every other year courses. Check catalog for when they are offered.
MTH 305: College Geometry	MTH 223	3	
MTH 308: Calculus IV	MTH 307	3	

Course	Prerequisites	Hrs	Notes
General Education/Honors Support Courses		2	
Total Credits:		15	

THIRD-YEAR FALL

Course	Prerequisites	Hrs	Notes
MTH 310: Introduction to Numerical Analysis	CPS 201, MTH 307	3	
PHY 101: General Physics	Placement into MTH 121 or C- or higher in MTH 120	4	
General Education/Honors Support Courses		8	
Total Credits:		15	

THIRD-YEAR SPRING

Course	Prerequisites	Hrs	Notes
EDU 350: Reading to Learn in Content Area	3.00 GPA, and C- or higher in PSY101, EDU220, COM100 and WRI101 or Honors Program.	3	EDU 350 must be taken concurrently with EDU 386
EDU 386: Methods in Mathematics	3.0 GPA, and C- or higher in EDU220, and PSY101	3	
MTH 401: Abstract Algebra	MTH 308	3	The advanced math courses are every other year courses. Check catalog for when they are offered.
MTH 312: Intro to Mathematics Statistics	MTH 223	3	
General Education/Honors Support Courses		3	
Total Credits:		15	

FOURTH-YEAR FALL

Course	Prerequisites	Hrs	Notes
MTH 302: Ordinary Differential Equations	MTH 223	3	The advanced math courses are every other year courses. Check catalog for when they are offered.
General Education/Honors Support Courses		12	
Total Credits:		15	

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 386 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, EDU386	2	
Total Credits:		16	

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