

Adolescent-to-Young Adult Integrated Math Education and Math Requirements

Core Requirements in Education

___-___EDU	110	-	Vital Connections
___-___EDU	115	-	Educational Technology
___-___EDU	200	-	Growth and Development (Take with EDU 208)
___-___EDU	220	-	Principles of Teaching (Take with EDU 228)
___-___EIS	265	-	Diversity in Today's Schools

Senior Block Requirements

___-___EIS	379	-	Evaluation and Assessment
___-___EDU	400	-	Curriculum
___-___EDU	416	-	Seminar in Education
___-___EDU	428	-	Student Teaching
___-___EIS	468	-	Collaboration

Adolescent-to-Young Adult Licensure Courses

___-___EDU	208	-	Growth and Development Seminar
___-___EDU	228	-	Principles of Teaching Seminar
___-___EDU	350	-	Reading to Learn/Content Areas
___-___EDU	386	-	Math Methods

Heidelberg College:	Mathematics Major
Licensure Area:	Integrated Math (AYA 7-12)
Teaching Area(s):	All Math Courses (7-12)

MATH

<u>Prefix No.</u>	<u>Title</u>
MTH 222	Calculus I (3)
MTH 223	Calculus II (3)
MTH 302	Ordinary Differential Equations (3)
MTH 303	Linear Algebra (3)
MTH 305	College Geometry (3)
MTH 307	Calculus III (3)
MTH 308	Calculus IV (3)
MTH 310	Intro. to Numerical Analysis (3)
MTH 312	Intro. to Mathematical Statistics (3)
MTH 401	Abstract Algebra (3)
PHY 111	General Physics (4)
CPS 150	Fundamentals of Computer Science (4)
CPS 201	Computer Programming I (3)

EDUCATION/ALLIED COURSES
Sample Curriculum Adolescent-to-Young Adult**

Semester I

General Education Courses
Major Courses

Semester II or III

┌EDU 110
└EDU 115
PSY 101
Gen. Ed. & Major Courses

Semester III or IV

┌EDU 110 (If not yet taken)
└EDU 115 (If not yet taken)
PSY 101 (If not yet taken)
┌EDU 200
└EDU 208
EIS 265
Gen. Ed. & Major Courses

Semester IV or V

┌EDU 200 (If not yet taken)
└EDU 208 (If not yet taken)
EIS 265 (If not yet taken)
┌EDU 220
└EDU 228
Gen. Ed. & Major Courses

Semester V

┌EDU 220 (If not yet taken)
└EDU 228 (If not yet taken)
EIS 265 (If not yet taken)
Gen. Ed. Courses
Major Courses

Semester VI (Jr. Year)

Offered Spring only
┌EDU 350
└EDU 366

Semester VII OR Semester VIII OR IX

Gen. Ed. & Major Courses (semester VII)
OR
┌EDU 400
└EDU 416
└EDU 428
└EIS 379
└EIS 468
(Student Teaching)

Semester VIII

Offered Spring only
┌EDU 350 (If not yet taken)
└EDU 386
(If not yet taken)

Many courses can be moved to semester of choice. (Co-requisites must be taken together.) Watch pre-requisites.

┌ These courses must be taken
together. (Co-requisites)

**Subject to change. Please consult department for current information.
For more detailed program requirements see the college catalog.

For more information about AYA Math, contact:

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