Heidelberg University School of Education
Adolescent to Young Adult (7-12) - Integrated Science Plan of Study
2023 - 24

AYA: Integrated Science		
Core Education Courses		
EDU 110	Introduction to Education	3
EDU 220	Principles of Teaching	3
EDU 230	* Foundations of Reading	3
EDU 324	Teaching Written Composition	3
EDU 350	* Reading in Content Area	3
EIS 200	Human Growth & Development	3
EIS 272	Educating Learners with Exceptional Needs	3
EIS 281	Assessment & Grading Equity	3
EIS 320	Family Systems/Social Issues	3
EIS 416	Student Teaching Seminar	3
EIS 428	Student Teaching	10
PSY 101	General Psychology	3
AYA (7-12) Courses		
EDU 226	Introduction to MCE/AYA	3
EDU 310	Intro Concept Methods in MCE/AYA	3
EDU 346	Advanced Research Methods in MCE/AYA	3
AYA Science Content Courses		
EDU 396	Science Literacy & Methods in AYA	3
BIO 123	Biology I	3
BIO 123L	Biology I Lab	1
BIO 124	Biology II	4
BIO 223	Genetics	4
BIO 224	Cell and Molecular Biology	4
BIO 363	Human Anatomy & Physiology I	4
CHM 111	General Chemistry I	4
CHM 112	General Chemistry II	4
CHM 201	Organic Chemistry I	4
CHM 202 or CHM 210	Organic Chemistry II or Quantitative Analysis	4
ENS 101	Intro to Enviromental Science	3
GEO 101	Physical Geology	3
GEO 101L	Physical Geology Lab	1
GEO 201	Environmental Geology	3
PHY 101	General Physics	4
PHY 102	General Physics	4
PHY 172	Introduction to Astronomy	3
	Total hours	**112**

ISP - Intervention Specialist Add-on		
EIS 285	* Phonics/Word Identification	3
EDU 414	* Diagnosis Reading Difficulties	3
ISP Courses		
EIS 279	Prescrip Assess/Diagnostic Intensive Instruction *(Taken in place of EIS 281)*	3
EIS 273	Building Positive Classroom Support Systems *(Included in PEL Core; MCE and AYA need to add)*	3
EIS 348	Commun, Coordin, Collabor in Special Ed	3
EIS 349	Supporting Improved Outcomes	3
EIS 350	Curriculum/Instructional Methods	3
EDU 429	Student Teaching in Special Education *(Taken with 5 hr. Student Teaching in PEL, MCE, or AYA)*	5

* Ohio Reading Core Course