

Heidelberg University School of Education

Adolescent to Young Adult (7-12) - Integrated Science Plan of Study

| 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 Environmental 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 | | |
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| EIS 285 | * Phonics/Word Identification | 3 |
| EDU 414 | * Diagnosis Reading Difficulties | 3 |
| ISP Courses | | |
| EIS 279 | Prescrip Assess/Diagnostic Intensive Instruction <i>(Taken in place of EIS 281)</i> | 3 |
| EIS 273 | Building Positive Classroom Support Systems <i>(Included in PEL Core; MCE and AYA need to add)</i> | 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 <i>(Taken with 5 hr. Student Teaching in PEL, MCE, or AYA)</i> | 5 |

* Ohio Reading Core Course

Revised Feb. 2024