

# Heidelberg University School of Education

## Adolescent to Young Adult (7-12) - Biology Plan of Study

### 2023 - 24

| AYA: Biology                |   |            |
|-----------------------------|---|------------|
| 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 Biology 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 311                     | Biology Seminar   | 1          |
| BIO 312                     | Evolution   | 3          |
| BIO 363                     | Human Anatomy & Physiology I  | 4          |
| CHM 111                     | General Chemistry I   | 4          |
| CHM 112                     | General Chemistry II  | 4          |
| PHY 101                     | General Physics   | 4          |
| PHY 102                     | General Physics   | 4          |
| MTH 119                     | Statistics I  | 3          |
| Choose 6 add'l hrs:         | Human Medical Genetics<br>Microbiology<br>Introduction to Environmental Science | 6          |
|                             | <b>Total hours</b>  | <b>104</b> |

| 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<br><i>(Taken in place of EIS 281)</i>                | 3 |
| EIS 273                              | Building Positive Classroom Support Systems<br><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<br><i>(Taken with 5 hr. Student Teaching in AYA)</i>            | 5 |

\* Ohio Reading Core Course