



Life Science Education Program

ODU's Life Science Education program prepares graduates to teach biology in grades 7-12. Students complete a rigorous curriculum in the science of biology that emphasizes not only content knowledge but also critical thinking and laboratory skills.

ODU's Early Childhood Education Program provides general education classes and a range of professional education courses while integrating theory, practice and educational technology. In addition, ODU students participate in extensive field-based experiences in diverse early childhood settings prior to student teaching.

Program Highlights

- Small class sizes allow ODU professors to instruct and mentor students on a personal level
- Located just minutes away from internship opportunities in downtown Columbus
- Major leads to teaching licensure
- Licensure-only option available for those who hold a bachelor's degree
- Courses are drawn from both Education and Biology programs
- Curriculum emphasizes content knowledge, critical thinking and laboratory skills

Career Opportunities

Students pursuing a degree in Life Science Education will be prepared for a variety of career options, including:

- ODU's Life Science Education program prepares graduates to teach biology in grades 7-12

Learning Outcomes

With the knowledge students gain from their Life Science Education studies, ODU graduates will be able to:

- Engage in reflective practice, are knowledgeable and promote learning in others
- Provide fair and engaging learning opportunities for all learners based on assessment of student needs and strengths
- Actively participate in the community of learners
- Communicate and collaborate according to legal and ethical practice with all stakeholders who influence and/or are impacted by the learning experiences of each child

Student Organizations

- Kappa Delta Pi (KDP) is an International Honors Society in Education, whose purpose is to connect future educators with each other and other education advocates
- Ohio Student Education Association (OSEA) is a Preprofessional organization for students preparing for careers in education

Life Science Education Four-Year Sample Plan

<p>Year 1-Fall ENG 110 CORE 179 BIO 201 CHM 109 MTH 140 or 240</p>	<p>Year 2-Fall CORE 279 BIO 203 CHM 229 EDU 112 PHL LNG 242</p>	<p>Year 3-Fall EDU 379A BIO 366 PHL – 200 level EDU 346 PHY 219</p>	<p>Year 4-Fall ENV 113 SCI 102 LIT Social/Behavioral Science THL – 200 level</p>
<p>Year 1-Spring ENG 111 BIO 202 CHM 110 THL Social/Behavioral Science</p>	<p>Year 2-Spring BIO 341 or 342 CHM 230 or 359 EDU 220 HST Art/Music/Theatre EDU 314 (1/2 semester)</p>	<p>Year 3-Spring SCI 479 BIO 330 EDU 353 EDU 410 BIO 469</p>	<p>Year 4-Spring EDU 487 EDU 488</p>

View course descriptions at ohiodominican.edu/LifeScienceEducation

Program Requirements

Core Courses:

- BIO 201 General Biology: Cells & Molecules
- BIO 202 General Biology: Biodiversity & Evolution
- BIO 203 General Biology: Vertebrate Anatomy & Physiology
- BIO 330 Ecology
- BIO 366 Genetics
- BIO 469 Cell and Molecular Biology
- SCI 479 CORE: Research in the Sciences

Select one course from the following:

- BIO 341 Human Anatomy
- BIO 342 Human Physiology

Required correlatives:

- CHM 109 General Chemistry I
- CHM 110 General Chemistry II
- CHM 229 Organic Chemistry I
- ENV 113 Geology
- PHY 219 General Physics I or PHY 220 General Physics II

Select one course from the following:

- CHM 230 Organic Chemistry II
- CHM 359 Analytical Chemistry

Select one course from the following:

- MTH 140 Intro to Statistics
- MTH 240 Calculus I

Required Professional Education Courses:

- EDU 112 Introduction to Teaching: Adolescence to Young Adult
- EDU 220 Educational Psychology
- EDU 314 Content Area Reading
- EDU 346 Adolescence to Young Adult and Multi-Age Methods
- EDU 353 Adolescence to Young Adult Science Teaching Methods
- EDU 379A CORE: Principles of Education
- EDU 410 Assessment and Technology for Teaching and Learning
- EDU 487 Supervised Teaching: Adolescence to Young Adult or Multi-Age
- EDU 488 Teaching Seminar: Adolescence to Young Adult or Multi-Age

Department Contact

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