ENVIRONMENTAL SCIENCE (B.S.)

“This unity [between students and professors] is exactly what our world needs as we continue into the future and conquer the greatest environmental and agricultural issues of our time.” — Marian Rubin ’17

ABOUT THE PROGRAM

In the environmental science degree program, you’ll have hands-on learning specializations to match your interests. Our specializations focus upon environmental and social issues facing the world today. You will receive the tools needed to evoke realistic and comprehensive solutions. You will take courses on soils, water, land use planning, climate, wildlife habitats, native ecosystems, and the relationship between humans and the Earth. You will learn to think critically and creatively while solving problems through the assessment of living systems and employment of sustainable strategies. Our success is found in our students and alumni who quickly find employment and go on to highly successful careers as environmental scientists, soil scientists, watershed specialists, site contamination specialists and more throughout private and public industry sectors.

CAREER OPPORTUNITIES

With 100 percent of our students having real-world, hands-on experience, graduates with a degree in environmental science are able to:

• Work with local, state and national environmental protection, conservation and research agencies and park services
• Address issues of water quality and watershed management
• Work in the private sector for environmental consulting, remediation and engineering companies
• Work as a soil scientist to help build and conserve this critical resource
• Work for agricultural research agencies and consulting companies
• Attend graduate school

SPECIALIZATIONS

HABITAT MANAGEMENT

Habitat is the physical environment that wildlife calls home. It provides the necessities to sustain life. Learn to assess, conserve, manage and regenerate these vital ecosystems.

POLLUTION AND REMEDIATION

Human’s generate waste. As our global population exceeds 7 billion people, our lands and waters have been saturated with contaminants. Learn about the choices we have made and environmental remediation techniques to clean our soils, water and air.

SOILS AND LAND USE

Soils are alive! The use of land has a profound relationship with these living systems. Learn how to conserve, assess, manage and build healthy soils for our future.

WATER QUALITY AND WATERSHED MANAGEMENT

Water. Too much or too little. Drinkable or toxic. Critical to sustaining life on Earth. Threatened and declining. Learn to assess, manage, conserve and enhance our vital water systems.

BUILD YOUR OWN

A unique offering to study the diverse field of environmental science on your own terms. Work closely with your academic advisor to build your education in preparation of graduate school or to specialize in more than one area of emphasis.

ABOUT DELVAL

Delaware Valley University, an independent, comprehensive university of more than 1,000 acres in Bucks and Montgomery counties, features individualized attention and emphasizes experiential and interdisciplinary learning. Located in Doylestown, Pennsylvania, DelVal offers more than 25 undergraduate majors, six master’s programs, a doctoral program, and a variety of adult education courses.

delval.edu/landscape-architecture
**FACILITIES**

- Woodlands, waterways, meadows, pasture and farmland on our 571-acre main campus and more than 1,200 acres
- State-of-the-art soil science laboratory, hydroponic/aquaponics systems, year-round greenhouses and newly renovated design studios
- Computer labs with the latest GIS, AutoCAD and other industry computer software
- The Regenerative Land Institute and its focus on research and community-based regional and international projects to solve global land use issues

**THE EXPERIENCE360 PROGRAM**

The Experience360 Program (E360) is central to a DelVal education and embraces a full range of activities and opportunities that will give you well-rounded experiences that can’t be found anywhere else. This approach will prepare you for a life of meaningful work, service and career growth. Integrating knowledge and experience, you’ll be prepared to put your skills into action as globally responsible citizens. One hundred percent of our students will gain real-world competencies through internships, career exploration, student research, study abroad, leadership development, community service or civic engagement.

**MAJOR COURSE OPTIONS**

- LAES 1120 - Sustainability: Saving the Earth & Feeding the People
- LAES 2004 - Soils
- LAES 2209 - Soil Fertility and Fertilizers
- LAES 3103 - Soil Judging
- LAES 3105 - Soil Conservation
- LAES 3107 - Environmental Geology
- LAES 3125 - Principles of Ecology
- LAES 3134 - Habitats
- LAES 3140 - Environmental Impacts
- LAES 3216 - Soil Classification
- LAES 3220 - Watershed Management
- LAES 3225 - Arboriculture
- LAES 3649 - Soils & Agricultural Waste Management
- LAES 4010 - Soil and Environmental Planning
- LAES 4015 - Regional Land Use Planning
- LAES 4016 - Hydrogeology
- LAES 4025 - Climatology
- LAES 4043 - Applied Toxicology & Risk Assessment
- IT 3205 - Geographic Information Systems
- MPP 6114 - Community Development & Planning
- MPP 6117 - Environmental Law & Policy
- MPP 6119 - Environmental Justice
- MPP 6121 - Globalization & International Development
- MPP 6124 - Wildlife Law & Policy
- BY 1116 - Biological Science I
- BY 1217 - Biological Science II
- CH 1103 - General Chemistry I
- CH 1203 - General Chemistry II
- CH 2003 - Principles of Organic Chemistry
- BY 2108 - Ecology
- SA 3112 - Wildlife Management
- SA 4033 - Wildlife Conservation
- PS 2101 - Botany of Vascular Plants

This is not a complete course listing and is subject to change.