ABOUT THE PROGRAM

In the environmental science degree program, you’ll have hands-on learning pathways to match your interests, including a build-your-own pathway option. Our pathways focus upon environmental and social issues facing society while providing you with the tools to evoke realistic and comprehensive solutions. You will take courses on soils, water, land use planning, climate, wildlife biodiversity, 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 regenerative 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.

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

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

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

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.

THE EXPERIENCE360 PROGRAM

The Experience360 Program (E360) is central to a DelVal education and embraces a full range of activities and opportunities that give our students well-rounded experiences that can’t be found anywhere else. This approach prepares our students for a life of meaningful work, service and career growth. Integrating knowledge and experience, they’ll be prepared to put their 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.

delval.edu/landscape-architecture
## CURRICULUM

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

### Freshman Year

**First Semester**

- **LAES 1120** - Sustainability: Saving the Earth and Feed the People 3 credits
- **CH 1103** - General Chemistry I 3 credits
- **CH 1103L** - General Chemistry I Lab 1 credit
- **EN 1101** - English I 3 credits
- **IT 1011** - Information Technology Concepts 1.5 credits
- **IT 1012** - Computer Applications 1.5 credits
- **FY 9900** - DelVal Experience I 1 credit
- **MP 1102** - College Algebra 3 credits or
  - **MP 1203** - Elementary Functions 3 credits
- **Total**: 17 Credits

**Second Semester**

- **PS 4211** - Seminar (Agronomy) 1 credit
- **CH 1203** - General Chemistry II 3 credits
- **CH 1203L** - General Chemistry II Lab 1 credit
- **EN 1201** - English II 3 credits
- **LA 2005** - Speech 3 credits
- **MP 1203** - Elementary Functions 3 credits or
  - **MP 1204** - Calculus I 4 credits
- **Total**: 14-15 Credits

### Sophomore Year

**First Semester**

- **LAES 2004** - Soils 3 credits
- **LAES 2017** - Topographical Surveying and GIS 3 credits
- **BY 1116** - Biological Science I 3 credits
- **CH 2003** - Principles of Organic Chemistry 3 credits
- **CH 2003L** - Principles of Organic Chemistry Lab 1 credit
- **Elective** 3 credits
- **Total**: 16 Credits

**Second Semester**

- **LAES 2209** - Soil Fertility and Fertilizers 3 credits
- **BY 1217** - Biological Science II 3 credits
- **EN 2028** - Introduction to Literature 3 credits
- **PS 2101** - Botany of Vascular Plants 3 credits
- **Elective** 3 credits
- **Total**: 15 Credits

### Junior Year

**First Semester**

- **LAES 3104** - Field Soil Morphology 3 credits
- **LAES 3105** - Soil Conservation 3 credits
- **LAES 3107** - Environmental Geology 3 credits
- **BY 2003** - Genetics 3 credits
- **Humanities elective** 3 credits
- **Total**: 15 Credits

**Second Semester**

- **LAES 3220** - Watershed Management 3 credits
- **PS 4211** - Seminar (Agronomy) 1 credit
- **BA 2008** - Macroeconomics 3 credits
- **PS 2005** - Plant Physiology 3 credits
- **Major elective** 3 credits
- **Elective** 3 credits
- **Total**: 16 Credits

### Senior Year

**First Semester**

- **LAES 4037** - Non-Western Societies 3 credits
- **Social science elective** 3 credits
- **Major electives** 6 credits
- **Elective** 3 credits
- **Total**: 15 Credits

**Second Semester**

- **PS 4211** - Seminar (Agronomy) 1 credit
- **LA 1060** - Introduction to Fine Arts 3 credits
- **Humanities area elective** 3 credits
- **Major elective** 3 credits
- **Elective** 5 credits
- **Total**: 15 Credits

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2015-2016