



## AGROECOLOGY

### Davis College of Agriculture, Forestry, and Consumer Sciences

Students in the Davis College are offered fields of study that complement a wide variety of careers. Programs are constantly being updated to reflect industry trends, and student initiative is strongly encouraged. Advising is conducted by faculty members, promoting mentorship. Many current students and alumni comment on the small-school feel of the Davis College, citing the individual attention from faculty, substantial extracurricular opportunities, and hands-on learning that enhance our academic experience.

The Davis College has 22 undergraduate major fields of study and a growing number of minors in the academic divisions of animal and nutritional sciences, design and merchandising, forestry and natural resources, plant and soil sciences, and resource management. Our programs allow for considerable flexibility, as several offer individual academic tracks depending on student interests and goals.

Instructional facilities and unique settings offer varied learning opportunities for students. The majority of classrooms, laboratories, design studios and offices are located on WVU's Evansdale Campus. The College also maintains eight farms, a campus greenhouse, and more than 8,000 acres of forest land for teaching and research. Hands-on experiences, service learning, undergraduate research and study abroad are strongly encouraged for students in every program.

Agroecology is the interdisciplinary study of how agricultural production of plants and animals affects and is affected by the local environment. It emphasizes sustainable and environmentally friendly approaches to agricultural production. The Agroecology Program in the Davis College teaches students to combine the concepts of crop production with those of environmental protection in such a way that there is a sustained balance between production and environmental issues. Our faculty are nationally known for their work in soil science as it relates to environmental protection and land use.

#### **Program Admission and Curriculum**

Students who meet University admission requirements may be accepted directly into the Davis College as Agroecology majors. To earn a bachelor's degree, all students must complete 128 credit hours, including the General Education Curriculum required by the University. Students will take basic core courses in agriculture and have the opportunity to specialize in ecological or sustainable aspects of crop production.

Students must complete 30 hours of required courses in the areas of plant science, microbiology, plant pathology, entomology, genetics, organic crop production, animal science, and agricultural and resource economics.

In addition to the required major courses, students must complete three minors offered by the Division of Plant and Soil Sciences, one of which must be a minor in soil science. Other minors available include environmental microbiology, environmental protection, horticulture, and pest management.

Complete course listings and descriptions can be found in the current *WVU Undergraduate Catalog*.

#### **Employment Opportunities**

Agroecology graduates are employable in both traditional agriculture positions and those with an environmental orientation toward agricultural production.

Potential areas of employment include farm and environmental consulting, organic farms, sales representative for agricultural suppliers, extension agents, government support agencies, and natural settings with high public use. Beginning salaries range from \$25,000 to \$35,000.



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### Majors in the Davis College of Agriculture, Forestry, and Consumer Sciences

Agribusiness Management & Rural Development:	B
Agricultural & Extension Education:	B, M
Agricultural & Resource Economics:	M
Agriculture, Forestry, & Consumer Sciences:	M
Agroecology:	B
Agronomy:	B, M
Animal & Food Science:	D
Animal & Nutritional Sciences:	B, M
Applied & Environmental Microbiology:	B
Biochemistry:	B
Design Studies:	B
Entomology:	M
Environmental & Natural Resource Economics:	B
Environmental Microbiology:	M
Environmental Protection:	B
Family & Consumer Sciences:	M
Fashion Design & Merchandising:	B
Forest Resources Management:	B
Forest Resources Science:	D
Forestry:	M
Genetics & Developmental Biology:	M, D
Horticulture:	B, M
Human and Community Development:	D
Human Nutrition & Foods:	B
Interior Design:	B
Landscape Architecture:	B
Multidisciplinary Studies:	B
Natural Resource Economics:	D
Plant & Soil Sciences:	D
Plant Pathology:	M
Recreation, Parks, & Tourism Resources:	B, M
Reproductive Physiology:	M, D
Resource Management:	D
Soil Science:	B
Wildlife & Fisheries Resources:	B, M
Wood Science & Technology:	B

B = Bachelor's; M = Master's; D = Doctorate

For more information, visit  
[www.davis.wvu.edu](http://www.davis.wvu.edu)

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