



## BIOCHEMISTRY

### 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.

The Biochemistry Program prepares students for careers requiring a strong background in basic principles of the physical and life sciences. The curriculum provides an interdisciplinary background in biochemistry, biology, chemistry, mathematics, physics, and molecular biology. Not only will this program prepare students for professional schools like human or veterinary medicine, it also provides a strong background for graduate study in animal and plant agriculture, biotechnology, chemistry nutrition, and physiology.

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

Students who meet University admission requirements may be accepted directly into the Davis College as Biochemistry majors. To earn a bachelor's degree, all students must complete 128 credit hours, including the General Education Curriculum required by the University.

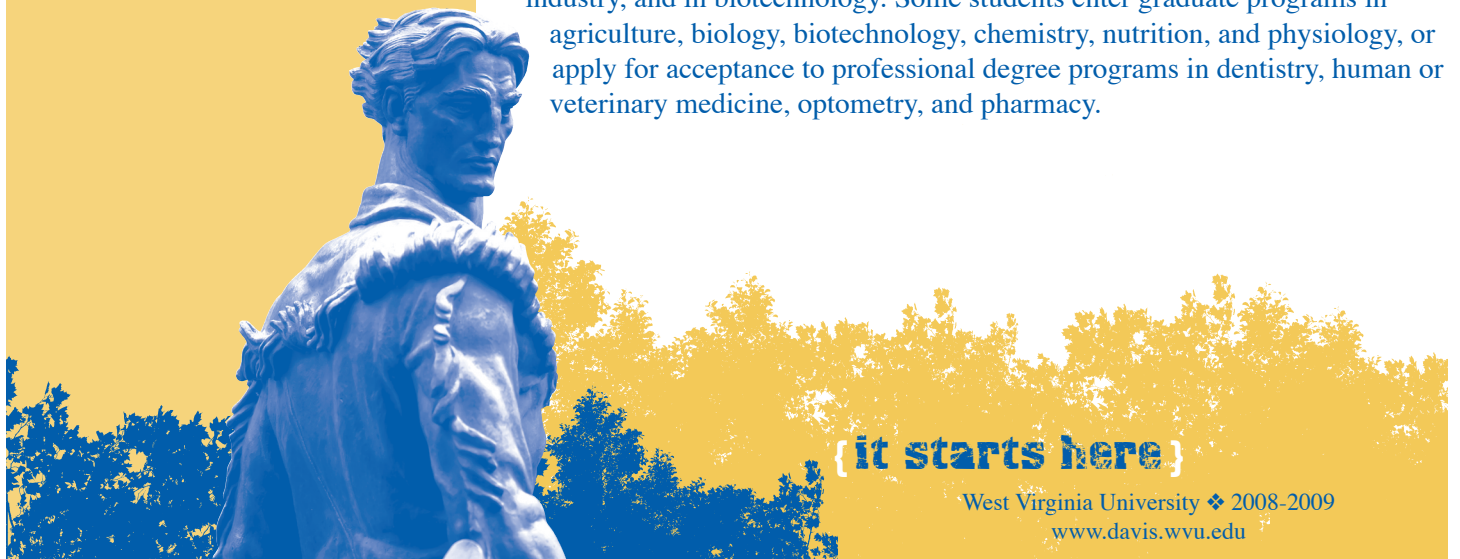
Biochemistry majors have the option of pursuing a bachelor of science degree through the College's Division of Animal and Nutritional Sciences or a bachelor of arts in molecular biology or chemistry through an interdepartmental program in the Eberly College of Arts and Sciences.

Examples of core courses within the major are agricultural biochemistry, molecular biology, organic chemistry and genetics. Complete course listings and descriptions can be found in the current *WVU Undergraduate Catalog*.

Students majoring in Biochemistry who wish to graduate with honors must complete a senior thesis and maintain a 3.5 GPA. This allows students to acquire hands-on research experience under the direction of faculty working in laboratories within the Davis College and the Eberly College of Arts and Sciences.

#### **Employment Opportunities**

Graduates are prepared for professional employment in the expanding fields of agricultural and environmental sciences, the chemical industry, the healthcare industry, and in biotechnology. Some students enter graduate programs in agriculture, biology, biotechnology, chemistry, nutrition, and physiology, or apply for acceptance to professional degree programs in dentistry, human or veterinary medicine, optometry, and pharmacy.



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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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