



g r a y s o n . e d u

BIOLOGY

Associate of Science Degree

Program Description

The biology curriculum at Grayson County College is designed for transfer to four-year institutions. However, all students are advised to counsel with the university/college of their choice to determine if all courses recommended by Grayson County College are applicable to that institution's Bachelor of Science degree.

Degree Plan

<i>Freshman Year</i>			
First Semester		Second Semester	
Subject	Semester Hours	Subject	Semester Hours
English 1301	3	English 1302	3
Biology 1306	3	Biology 1307	3
Biology 1106	1	Biology 1107	1
Computer Science Core	3	Mathematics 2413	4
Chemistry 1311	3	Chemistry 1312	3
Chemistry 1111	1	Chemistry 1112	1
*Elective	1		15
	15		
<i>Sophomore Year</i>			
First Semester		Second Semester	
Subject	Semester Hours	Subject	Semester Hours
Government 2305	3	Government 2306	3
Chemistry 2323	3	Chemistry 2125	1
Chemistry 2123	1	Chemistry 2325	3
Social/Behavioral Science Core	3	Visual/Performing Arts Core	3
Humanities Core	3	Speech 1311	3
History 1301	3	History 1302	3
	16		16
*Students are encouraged to select electives that meet the graduation requirement of the senior institution.			

Course Requirements

Grayson County College requires that you have a High School Diploma or equivalent.

Students must be college ready in reading, writing and math based on GCC's Success Initiative Plan.

Job Outlook

Employment of biological scientists is projected to grow about [as fast as average](#) for all occupations over the 2004-14 period, as biotechnological research and development continues to drive job growth. However, doctoral degree holders face competition for basic research positions. The Federal Government funds much basic research and development, including many areas of medical research that relate to biological science. Recent budget increases at the National Institutes of Health have led to large increases in Federal basic research and development expenditures, with research grants growing both in number and in dollar amount. Nevertheless, the increase in expenditures is expected to slow significantly over the 2004-14 projection period, resulting in a highly competitive environment for winning and renewing research grants. Furthermore, should the number of advanced degrees awarded continue to grow, applicants for research grants are likely to face even more competition. Currently, about 1 in 3 grant proposals are approved for long-term research projects. In addition, applied research positions in private industry may become more difficult to obtain if increasing numbers of scientists seek jobs in private industry because of the competitive job market for independent research positions in universities and for college and university faculty.

Opportunities for those with a bachelor's or master's degree in biological science are expected to be better. The number of science-related jobs in sales, marketing, and research management for which non-Ph.D.s usually qualify is expected to exceed the number of independent research positions. Non-Ph.D.s also may fill positions as science or engineering technicians or as medical health technologists and technicians. Some may become high school biology teachers.

(Source: U. S. Dept. of Labor: Occupational Outlook Handbook 2006-2007)

Areas of Employment Utilizing Training in Biology

Technical sales, service representatives, research assistant, biological technicians, medical laboratory technologist, agricultural and food scientists, conversation scientists and foresters, high school biology teacher

Many with a bachelor's degree in biology enter medical, dental, veterinary or other health profession schools.

Anticipated Costs for Two Years

The following are approximate anticipated costs for the Associate of Science Degree in Biology. Prices are subject to change without notice.

Tuition (in-district) All Courses	\$2,666.00
Lab Fees	189.00
Matriculation Fees	40.00
Parking Fees	30.00
Student ID	8.00
Books	2,349.00
Approximate Total	\$5,282.00

For More Information, Contact

www.grayson.edu

Click on College 101

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