



## Program of Study: Veterinary Science

This Program of Study may serve as a graduation guide for the next four plus years, along with other career planning and educational materials. Courses listed in this model may include recommended coursework and should be individualized to students' educational and career goals. Each graduation plan needs to meet minimum high school graduation requirements. Dual Enrollment courses can be high school academic and/or career technical education courses.

Secondary: Veterinary Science					Entrance or Exit Point	Postsecondary:		
Course/Grade	9	10	11	12		TCC	Diploma or AAS	Bachelor of Science
English 4 credits	9 <sup>th</sup> Grade Lit	10 <sup>th</sup> Grade Lit	American Lit	British Lit			The following degree program is available: <ul style="list-style-type: none"><li>Veterinary Technology, AAS (VT23)</li></ul>	The University System of Georgia offers students' higher education options at 30 institutions throughout the state, providing a wide range of academic programming including certificates and associate, baccalaureate, masters, doctoral and professional degrees.
Math 4 credits	Algebra I	Geometry	Algebra II	Fourth Math Selection				
Science 4 credits	Environmental Science	Physical Science	Biology	Fourth Science Selection				
Social Studies 3 credits	World History	US History	Economics and Government					
PE 1 credit	Health and Personal Fitness		Consult your counselor for course progression. Course progression on this sheet is based on general guidelines.					
Pathway 3 credits	Basic Agriculture	Animal Science and Biotechnology	Veterinary Science	See CTAE Related Electives Below				
Electives	World Language Sequence French or Spanish <i>2 Units Required for admission to Georgia University System Colleges</i>		Fine Arts Visual Arts Band Chorus Drama	Advanced Placement Courses  Dual Enrollment Courses				
	Related CTAE Electives Occupational Safety Introduction to Healthcare Science		Work-Based Learning Internship Cooperative Education Youth Apprenticeship					
						For more information on technical college programs, visit <a href="https://kms.tcsq.edu/POA">https://kms.tcsq.edu/POA</a>	For more information on college and university programs, visit <a href="https://apps.ds.usg.edu">apps.ds.usg.edu</a>	

**NOTE:** Students have many options to ENTER and EXIT from their academic studies into the workforce. When a student graduates from high school, they are eligible to choose one of many ENTRANCE POINT options: 1. Enroll in either a 2- or 4-year post-secondary program; 2. Enroll in an apprenticeship program or the military; or 3. Enter the workforce using technical skills learned in high school. When a student finishes a 2- or 4-year degree program, they may choose to EXIT and 1. Enroll in an apprenticeship program or the military; 2. Enroll in a professional university degree program; or 3. Enter the workforce using technical skills learned.

### Veterinary Science Career Pathway Completers - Industry Credentialing for High School Students

Upon completion of sequenced courses in a Veterinary Science Career Pathway, students are eligible to complete the Industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the Veterinary Science pathway will be able to sit for the National Industry Credentialed assessment offered on-line from Precision. Once mastery is reached, students will receive recognition for completion and use this credential in conjunction with their job or continuing training.

Sample High Demand Careers in Georgia				
Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings	2014-2024 Employment Outlook
Veterinarians	Professional Degree	\$76,600	10	High Skill
Veterinary Technologists and Technicians	Associate's Degree	\$28,100	30	High Skill
Veterinary Assistants	High School Diploma	\$21,700	10	

GDOL Labor Market Explorer

Go to GAFutures at <a href="http://www.gafutures.org">www.gafutures.org</a> for more information about your education and career planning, including valuable financial information (grants and scholarships including HOPE Program, grants and loans, FAFSA, and CSS forms).				<h3>Veterinary Science Systems Pathway Description</h3> <p>Veterinarians treat health problems of pets, livestock, and animals in zoos, racetracks, and laboratories. They are concerned with preventing, controlling, and curing animal diseases as well as researching human and animal health to develop new ways to prevent and cure diseases. Some veterinarians are meat inspectors, and others work in wildlife management.</p> <p>The American Medical Veterinary Association reports that about 70 percent of veterinarians work in private medical practices treating small animals. Almost one-fourth of all veterinarians work in “mixed” practices, treating pigs, goats, cattle, and sheep in addition to companion pets. A small number of veterinarians treat large animals (horses or cattle) exclusively. These veterinarians drive to farms or ranches to provide services for herds or individual animals. Veterinarians involved in food safety and inspection check livestock for diseases that may be transmitted to human beings. They advise owners on the treatment of their animals as well as ordering quarantines when necessary. They may also inspect slaughtering and processing plants and enforce federal regulations concerning food purity and sanitation.</p> <p>Veterinarians must obtain a Doctor of Veterinary Medicine (D.V.M. or V.M.D.) from an accredited college of veterinary medicine after completing an undergraduate program. Competition is keen for admission to veterinary school. To apply, students should complete pre- veterinary course requirements (primarily science classes) as well as submitting test scores from the Graduate Record Examination (GRE), Veterinary College Admission Test (VCAT), or Medical College Admission Test (MCAT). After graduation from an accredited veterinary program, veterinarians must earn a passing grade on a national board examination, the North American Veterinary Licensing Exam, before practicing veterinary medicine.</p>
Career Enhancement Opportunities	<b>Career-Related Education Activities</b> <ul style="list-style-type: none"><li>• Career Awareness</li><li>• Career Exploration</li><li>• Instructional Related</li><li>• Connecting</li><li>• Work-Based Learning</li></ul>	<b>Postsecondary Options:</b> <ul style="list-style-type: none"><li>• 4-Year Universities/ Colleges</li><li>• 2-Year Colleges</li><li>• Technical Colleges</li><li>• State Registered Apprenticeships</li><li>• Special Purpose Schools</li><li>• On-the-Job Training</li><li>• Military</li></ul>	<b>Earning Postsecondary Credits While in High School</b> <p>A vital way to get ahead and realize you can pass college courses is by earning postsecondary credits as a high school student. Georgia offers a dual credit program titled Dual Enrollment. You need to talk with your parents, school counselor, or advisor about the proper courses to take each year in high school and dual credit.</p> <p>Students completing the course work in this Plan, will have earned/completed an Industry Credential, Technical Certificate of Credit (TCC), Associates of Applied Science Degree, and/or Bachelor’s Degree.</p>	
	<b>Postsecondary Transition</b> <ul style="list-style-type: none"><li>• Students who will continue their education in a Program of Study at one of the University System of Georgia institutions should prepare to take the ACT or SAT for admissions. Tests for admissions may vary from institution to institution. Contact the selected institution for specific testing information. Additional admissions information can be found at Staying On Course.(<a href="https://www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf">https://www.usg.edu/assets/student_affairs/documents/Staying_on_Course.pdf</a>)</li><li>• Students who will continue their education in a Program of Study at one of the Technical College System of Georgia institutions should prepare to complete a placement exam.</li><li>• Students who will continue their education and training in the US Military should take the ASVAB assessment.</li><li>• Students should utilize electronic college and career databases to select the most appropriate postsecondary opportunities to match their selected career field, including registered apprenticeships.</li><li>• Georgia’s dual-credit programs have been combined into one program entitled Dual Enrollment, in which high school students may earn their high school course credits while taking college courses.</li></ul>			
	<b>Related Pathway Occupations</b> <ul style="list-style-type: none"><li>• Animal Scientists</li><li>• Veterinarians</li><li>• Veterinarian Technologists and Technicians</li><li>• Veterinary Assistants and Laboratory Animal Caretakers</li><li>• Zoologists and Wildlife Biologists</li><li>• Animal Control Workers</li><li>• Farm and Ranch Managers</li></ul>		<b>Other Related Occupations</b> <ul style="list-style-type: none"><li>• Biologists</li><li>• Hunters and Trappers</li><li>• Biological Technicians</li><li>• Animal Trainers</li></ul>	
			ONET Online	
	<b>Student Organization:</b> FFA		<b>Programs of Study Developed in Partnership:</b> the Georgia Department of Education, the Technical College System of Georgia, and the University System of Georgia. #CTAEDelivers	