

# Individual Graduation Plan

SAMPLE

Name \_\_\_\_\_

Class of \_\_\_\_\_

**Current Area of Interest: Agriculture, Food & Natural Resources/Veterinary Science - This INDIVIDUAL GRADUATION PLAN can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet learner's educational potential and career goals. Opportunities for coursework are flexible and can vary at the local levels.**

EDUCATION LEVELS	GRADE	English/Language Arts 4 credits	Math 4 credits	Science 4 credits*	Social Studies 3 credits	Health/ Physical Education 1 credit	Electives 4 credits	Career and Technical Courses for Veterinary Science 3 elective credits**	SAMPLE Occupations Relating to this Career Pathway
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*Career-related assessments administered and Individual Graduation Plan Initiated for all learners by the end of the 8<sup>th</sup> grade (BRIDGE compliance)*

SECONDARY	9	9 <sup>th</sup> Literature & Composition	Math I, GPS Algebra I or GPS Geometry	Physical Science	American Government/ Civics	Health	Elective or Modern Language Latin	Elective or Basic Agriculture Science Technology	Equine Managers Veterinarians Veterinary Assistants
	10	10 <sup>th</sup> Literature & Composition	Math II, or GPS Geometry or GPS Advanced Algebra	Biology	World History	Personal Fitness	Elective or Modern Language Latin	Basic Agriculture Science Technology or Small Animal Care	Animal Scientists Wildlife Biologists Livestock Geneticists Animal Nutritionists
	11	11 <sup>th</sup> American Literature/Composition	Math III, GPS Advanced Algebra or Advanced Math	Chemistry	United States History	Elective	Elective or Modern Language Latin	Small Animal Care or Veterinary Science	
		<i>On-going advisement with learner and family (BRIDGE compliance) to include postsecondary admissions assessment level; dual enrollment; work-based learning</i>							
	12	Advanced Composition	Advanced Math or *Career Pathway Related Math	*Animal Science Technology/ Biotechnology	Economics/ Business/ Free Enterprise	Elective	Elective or Modern Language Latin	Elective or Veterinary Science	
		<i>Postsecondary advisement with learner and family to include postsecondary admission assessment level; dual credit (College Credit Now)</i>							
		<ul style="list-style-type: none"> <li>Learners who will continue their education at one of Georgia's University System 4-year state college or research university institutions should prepare to take the COMPASS assessment for admissions to those institutions.</li> <li>Learners who will continue their education at one of Georgia's University System 4-year state college or research university institutions should prepare to take the SAT or ACT. Check with your selected institution for specific admissions requirements. Georgia's 2-year colleges do not require the SAT/ACT for admissions.</li> </ul>							
POSTSECONDARY		<p>* 4<sup>th</sup> Science may be used to meet both the required science and required elective in C/AE sequence of courses</p> <p>** Learners must complete 2 years (2 credits) of the same Modern Language/Latin for admission to Georgia Board of Regents colleges/universities; Students must complete C/AE pathway and take end of pathway assessment. See the back for a more specific description of graduation requirements.</p> <p>Some courses do not follow the same sequence at the local levels.</p> <p>Legend: <b>Golden red</b>=Core requirements; <b>Green</b>=Elective Requirements</p>							

**The sample VETERINARY SCIENCE PATHWAY occupations listed below meet two out of three of GDOE definitions for high-demand, high-wage and high-skilled. [www.occsupplydemand.org](http://www.occsupplydemand.org)**

Occupation Specialties	Level of Education Needed	Average Salary	Annual Average Openings in Georgia
Animal Breeder	Short-Term On-the-Job Training	\$22,152	20
Animal Trainer	Moderate On-the-Job Training	\$28,891	40
Veterinarian	First Professional Degree	\$67,101	60
Veterinarian Technologist & Technician	Associate Degree	\$25,480	60

**Go to GACollege411 at [www.GACollege411.org](http://www.GACollege411.org) for more information about your education and career planning, including valuable financial information (grants and scholarships including HOPE Program, loans, AND FAFSA and CSS forms).**

Current GEORGIA Graduation Rule for 9 <sup>th</sup> grade in fall of 2008-2009	Credits	Postsecondary Programs of Study Technical College	Postsecondary Programs of Study University of Georgia System
English/Language Arts	4	TBD	TBD
Mathematics	4		
*Science	4		
Social Studies	3		
** Career, Technical & Agricultural Education and/or Modern Language/Latin, and/or Fine Arts	3		
Health & Physical Education	1		
Electives	4		
<b>TOTAL</b>	<b>23</b>		

\* 4<sup>th</sup> Science may be used to meet both the required science and required elective in CTAE sequence of courses  
 \*\*Students must complete 3 units in a pathway to complete CTAE pathway and take the end of pathway assessment. Student must complete 2 years of the same Modern Language/Latin for admission to Georgia Board of Regents colleges/universities.

NOTE: Learners planning to attend a technical college should prepare to take the COMPASS assessment for admissions.

NOTE: Learners planning to attend a Georgia 4-year college/university should prepare to take the ACT/SAT.

### VETERINARY SCIENCE PATHWAY

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.

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.

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. Employment of veterinarians is expected to increase by 35 percent by 2016 attributed somewhat to the fact that modern veterinary services now parallel human medicine. For example, certain procedures that were only previously available for humans, are now available for animals—procedures such as hip replacement, kidney transplants, and blood transfusions.