

Animal Systems Pathway

Agriculture, Food, and Natural Resources Career Cluster

This Program of Study plan should serve as a guide in the development of secondary and post-secondary course planning for students. Courses listed within this plan are only recommended and are indicative of the courses needed to complete a Program of Study. The following items need to be considered:

- Courses in the arts and humanities are valued by post-secondary institutions for their cognitive benefits and in communicating and expressing the ideas and emotions of the human spirit.
- Post-secondary institutions have varying course requirements for admission including World Languages.

High School	Grade	English	Math	Science	Social Studies	Other Required Courses	Pathway Electives Recommended	Credit Review	
	Required Credits	4.0	3.0	3.0	3.0	2.0	Recommended Sequence for Pathway (<i>may adjust yearly as needed</i>) [Minimum– 8.5 elective credits needed for graduation]	Grade	Graduation Credit Requirements
	Grade 9	<ul style="list-style-type: none"> English 9 (1.0) -OR- Enriched English 9 (1.0) 	<ul style="list-style-type: none"> Algebra I (1.0) 	<ul style="list-style-type: none"> Earth Science (0.5) 	<ul style="list-style-type: none"> US History (0.5) 	<ul style="list-style-type: none"> Level I Physical Education (0.5) Health 9 (0.5) 	<ul style="list-style-type: none"> Small Animals (0.5) 	<ul style="list-style-type: none"> 9-12 	4.0 Required 2.0 Elective 6.0 Total
	Grade 10	<ul style="list-style-type: none"> English 10 (1.0) -OR- Enriched English 10 (1.0) 	<ul style="list-style-type: none"> Geometry (1.0) -OR- Enriched Geometry (1.0) 	<ul style="list-style-type: none"> Biology (1.0) 	<ul style="list-style-type: none"> World Studies (1.0) -OR- AP European Studies (1.0) 	<ul style="list-style-type: none"> Level II Physical Education (0.5) 	<ul style="list-style-type: none"> Veterinary Science I (0.5) 	<ul style="list-style-type: none"> 10-12 	4.5 Required 1.5 Elective 6.0 Total
	Grade 11	<ul style="list-style-type: none"> English 11 (1.0) -OR- AP Language & Composition (1.0) 	<ul style="list-style-type: none"> Algebra II/ Trigonometry (1.0) -OR- Enriched Algebra II/Trigonometry (1.0) 	<ul style="list-style-type: none"> Chemistry (1.0) 	<ul style="list-style-type: none"> Government (0.5) -OR- AP United States Government and Politics (0.5) 	<ul style="list-style-type: none"> Level III Physical Education (0.5) 	<ul style="list-style-type: none"> Veterinary Science II (AS) (0.5) 	<ul style="list-style-type: none"> 10-12 	4.0 Required 2.0 Elective 6.0 Total
	Grade 12	<ul style="list-style-type: none"> English 12 (1.0) -OR- AP Literature & Composition (1.0) 	<ul style="list-style-type: none"> See post-secondary institution for math requirements 	<ul style="list-style-type: none"> See post-secondary institution for science requirements 	<ul style="list-style-type: none"> AP Psychology (1.0) -OR- Psychology (0.5) -OR- Sociology/Social Issues (0.5) -OR- AP Economics (0.5) -OR- Economics (0.5) 				2.5 Required 3.0 Elective 5.5 Total
Course Code Key (see course catalog for further details)			28 Credits Possible		Other Related Courses and Activities (curricular, co-curricular, and extra-curricular)				
AP Advanced Placement AS Advanced Standing TC Transcribed Credit YO Youth Options (0.5) Course is worth 0.5 credit (0.75) Course is worth 0.5 credit (non-TC) or 0.75 credit (TC) (1.0) Course is worth 1.0 credit			Credits Required Grades 9-1215.0 Minimum Electives..... 8.5 Credits for Graduation.....23.5		<ul style="list-style-type: none"> Accounting I (0.5) Biotechnology (TC) (0.5) Agriculture, Food, & Natural Resources Youth Apprenticeship (1.0) AP Statistics (1.0) Precalculus (1.0) Preparation for College and Business Communications (1.0) FFA World Languages 				

Animal Systems Pathway

Agriculture, Food, and Natural Resources Career Cluster

Advisement provided through Student Services office and post-secondary transfer credits determined by college admissions counselors.
 Postsecondary credit transfer information also available at <http://www.uwsa.edu/tis>

Please visit the web site of institutions listed below for any program updates.

Post-Secondary Options	Baccalaureate Degree		Associate Degree Programs		Certificate/License
	<u>University of Wisconsin - River Falls</u> <ul style="list-style-type: none"> • Agricultural Education • Agricultural Studies • Animal and Food Science • Bacteriology • Biology • Biotechnology • Dairy Science • Genetics 	<u>University of Wisconsin - Stevens Point</u> <ul style="list-style-type: none"> • Wildlife Ecology 	<u>Chippewa Valley Technical College</u> <ul style="list-style-type: none"> • Agriscience Technician • Farm Business and Production Management <u>Blackhawk Technical College</u> <ul style="list-style-type: none"> • Agribusiness Specialist (Diploma Program) • Farm Business – Production Management (Diploma Program) <u>Madison Area Technical College</u> <ul style="list-style-type: none"> • Biotechnology Laboratory Technician <u>North Central Technical College</u> <ul style="list-style-type: none"> • Dairy Science 		
	Adult Apprenticeship, On-the-Job Training or Other		Employment Options		
			Careers	<ul style="list-style-type: none"> • Agriculture Educator • Animal Caretaker • Animal Nutritionists • Veterinarian • Veterinary Assistant • Animal Geneticist • Dairy/Livestock/Equine Producers 	