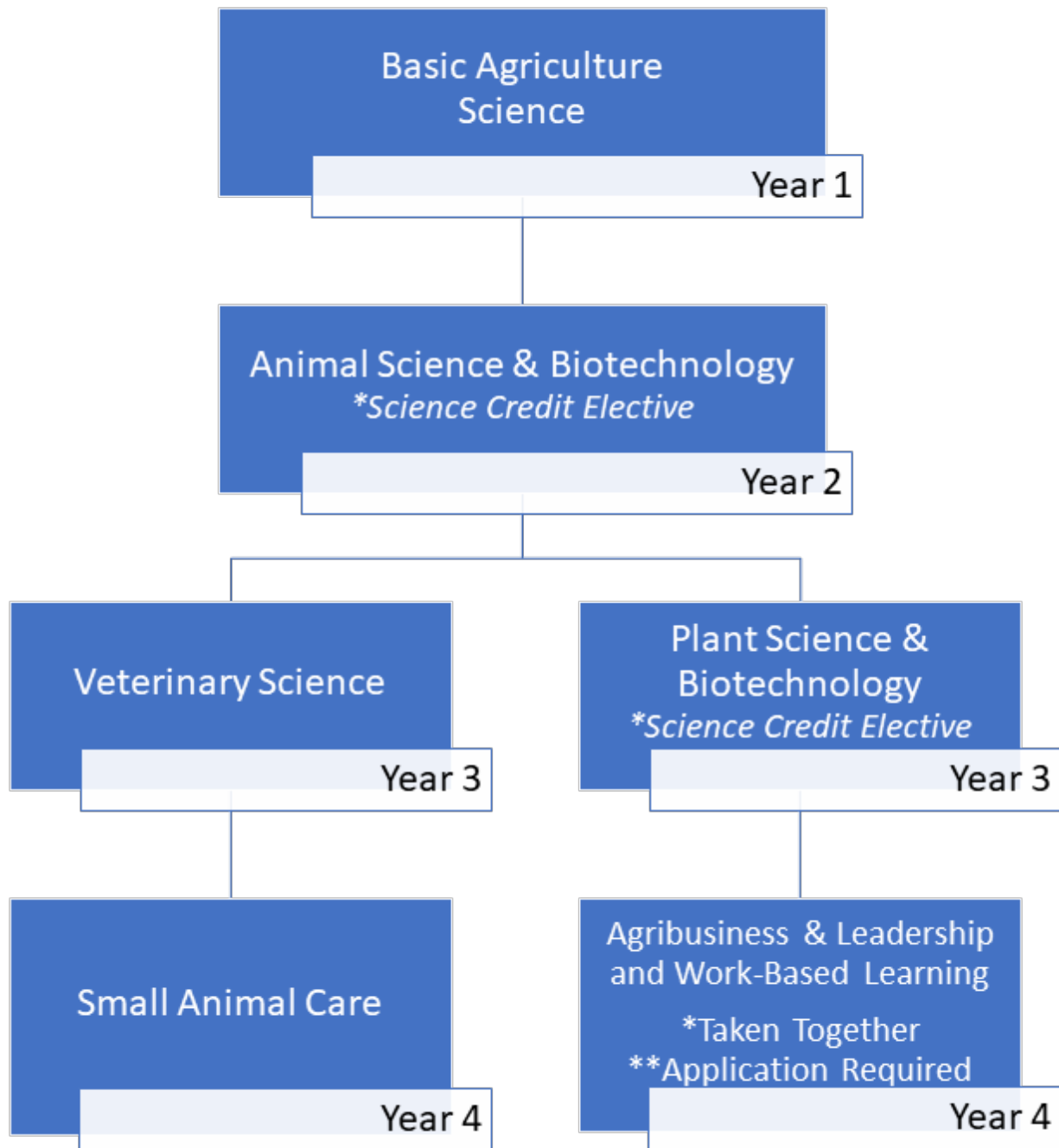


Agriscience & Veterinary Pathways

Students have two paths to choose between and must take the courses in sequence. In some rare cases (teacher approved and communicated with you), they can double up senior year.



Agriscience & Veterinary Pathways Course Descriptions

Course Title: Basic Agricultural Science	Prerequisite(s): None - This is the prerequisite for all agricultural courses.
Course Number (s): 02.471001-fall / 02.471002-spring	The first course in the Agricultural pathways is designed as the foundational course for all Agriculture, Food & Natural Resources pathways. The course introduces the major areas of scientific agricultural production and research and presents problem-solving lessons, and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
Term: Y	
Eligible Grade(s): 9-12	
Course Title: Animal Science Technology Biotechnology	
Course Number (s): 02.4210001-fall / 02.4210002-spring	This course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals and the production, processing, and distribution of agricultural animal products. This course introduces scientific principles applied to the animal industry and covers reproduction production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
Term: Y	
Eligible Grade(s): 10-12	
Course Title: Veterinary Science	
Course Number (s): 02.4240001-fall / 02.4240002-spring	The agricultural education course in veterinary science covers the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. The target population is career preparatory students desiring to continue education after high school or to enter the workforce after graduation from high and pursue a degree to enter the veterinary profession.
Term: Y	
Eligible Grade(s): 11-12	
Course Title: Plant Science & Biotechnology	
Course Number (s): 02.4410001-fall / 02.4410002-spring	This course is designed as an introduction to General Horticulture, the production, care, and management of plants for both human and animal consumption. Students will learn both traditional and organic practices, as well as the science behind the living organisms we work with in production agriculture. By taking this course, students will complement their Animal Science knowledge by understanding food sources for animals and be better prepared for our senior course, Agribusiness which specifically produces plants for a profit. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
Term: Y	
Eligible Grade(s): 11-12	

Course Title: Small Animal Care and Management	Prerequisite(s): Basic Agricultural Science & Animal Science Technology Biotechnology
Course Number (s): 02.4230001-fall / 02.4230002-spring	The goal of this course is to provide students with skills and concepts involved with the care and management of companion animals. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
Term: Y	
Eligible Grade(s): 12	
Course Title: Agribusiness & Leadership	
Course Number (s): 01.4120001-fall / 01.4120002-spring	This course provides a foundation for students interested in pursuing a degree in agribusiness through post-secondary study or to enter the Agribusiness industry upon graduation from high school. The student will demonstrate competence in the application of principles and practices of agribusiness management and leadership. The course will help students build a strong knowledge base of the agribusiness industry as they study agribusiness types, business management, financial analysis, communications, agricultural law, leadership and teamwork, ethics, and agricultural economics. Mastery of these standards through project-based learning and leadership development activities in the FFA and supervised agricultural experience program will help prepare students for post-secondary study or entry into agribusiness.
Term: Y	
Eligible Grade(s): 12	
Course Title: Agribusiness WBL	
Course Number (s): 02.7114001-fall / 02.7124002-spring	Prerequisite(s): Application & Teacher Approval Work experience - This course allows students entering the workforce after graduation from high school to develop entry-level skills to become employed and to continue education on the job.
Term: Y	
Eligible Grade(s): 12	