School of Health and Natural Sciences
Veterinarian

National Career Cluster: Agriculture, Food & Natural Resources

HIGH SCHOOL

GRADE	SUBJECT	Required Courses for Core 40 Diploma						Recommended Courses and Electives	
		English/ Language Arts	Math	Social Studies	Science	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I	College and Careers	Biology I	PE	Health	PLTW Principles of Biomedical Sciences	
	S2	English 9	Algebra I	Study Hall	Biology I	PE	Health	PLTW Principles of Biomedical Sciences	
10	S1	English 10 Enr. Eng 10	Geometry	World History	ICP Chemistry	World Language	PLTW Human Body Systems		
	S2	English 10 Enr. Eng 10	Geometry	World History	ICP Chemistry	World Language	PLTW Human Body Systems		
11	S1	English 11 AP English 11	Algebra II	US History AP US History	Core 40 Science	World Language	AP Chemistry	AP Biology	
	S2	English 11 AP English 11	Algebra II	US History AP US History	Core 40 Science	World Language	AP Chemistry	AP Biology	
12	S1	Senior Comp AP English 12	Recommended: Additional Math course	Government	World Language	Porter County Career Center Course			
	S2	Senior Comp AP English 12	Recommended: Additional Math course	Economics	World Language				

POSTSECONDARY

Bachelor of Science in Animal Science from Purdue University, West Lafayette, IN

Yr 13	S1	Introduction to the College of Agriculture and Purdue University (AGR 101)	Introduction to Animal Sciences Academic Programs (AGR 114)	Fundamentals of Biology I (BIOL 110)	General Chemistry (CHM 115)	Introductory Analysis I or Calculus for the Life Sciences I (MA 223 or MA 231)	UCC Science, Technology, & Society Selective
	S2	Orientation to Animal Sciences (ANSC 181)	Fundamentals of Biology II (BIOL 111)	General Chemistry (CHM 116)	Fundamentals of Speech Communication (COM 114)	Introductory Analysis II or Calculus for the Life Sciences II (MA 224 or MA 232)	Careers in Veterinary Medicine (VM 102)
Yr 14	S1	Principles of Animal Nutrition (ANSC 221)	Biology III: Cell Structure and Function (BIOL 231)	Laboratory in Biology III: Cell Structure and Function (BIOL 232)	Organic Chemistry (CHM 255)	Organic Chemistry Laboratory (CHM 25501)	First-Year Composition (ENGL 106)
	S2	Genetics (AGRY 320)	Genetics Laboratory (AGRY 321)	Physiology of Domestic Animals (ANSC 230)	Organic Chemistry (CHM 256)	Organic Chemistry Laboratory (CHM 25601)	Animal Sciences Selective
Yr 15	S1	Biochemistry (BCHM 307)	General Physics (PHYS 220)	Elementary Statistical Methods (STAT 301)	Animal Physiology Selective	UCC Humanities Selective	
	S2	General Physics (PHYS 221)	Microbiology (BIOL 221)	Humanities or Social Science Selective	Economics Selective		
Yr 16	S1	Contemporary Issues in Animal Sciences (ANSC 481)	Animal Genetics Selective	Animal Production/Management Selective	Humanities or Social Science Selective	Elective	
	S2	Animal Nutrition Selective	Animal Products Selective	Animal Sciences Selective	Humanities or Social Science Selective	Written or Oral Communication Selective	

Hobart High School offers numerous DUAL CREDIT courses. See your counselor for more information.

POST-BACCALAUREATE

Doctor of Veterinary Medicine from Purdue University, West Lafayette, IN

Yr 13	S1	Comparative Anatomy I (BMS 801)	Principles of Cell & Tissue Design I (BMS 807)	Systemic Mammalian Physiology I (BMS 811)	Veterinary Neuroscience (BMS 815)	Behavior, Husbandry & Diagnostic Techniques I (VCS 801)	Behavior in Domestic Animals (VCS 804)	Applications and Integrations I (VM 820)	Principles of Professionalism and Jurisprudence (VM 892)	Grand Rounds (VM 825)	International Veterinary Medicine (VM 809)	
	S2	Comparative Anatomy II (BMS 802)	Principles of Cell & Tissue Design II (BMS 808)	Systemic Mammalian Physiology II (BMS 812)	Principles of Pharmacology (BMS 813)	Principles of Veterinary Immunology (CPB 853)	Behavior, Husbandry & Diagnostic Techniques II (VCS 802)	Applications and Integrations II (VM 830)	Grand Rounds (VM 825)	Endocrine/Neural Basis of Seasonal Activ. Of Birds/Mammals (BMS 819)	Avian Physiology (BMS 528)	
Yr 14	S1	Basic and Applied Pharmacology I (BMS 814)	General Pathology (CPB 851)	Veterinary Parasitology I (CPB 85201)	Veterinary Hematology & Cytology (CPB 855)	Veterinary Bacteriology/Mycology (CPN 85602)	Applications and Integrations III (VM 840)	Grand Rounds (VM 825)	Forensic Veterinary Medicine (VCS 892)	Shelter Animal Machine (VCS 893)	Early Origins of Vet Med (VM 860)	
	S2	Basic and Applied Pharmacology II and Principles of Toxicology (BMS 818)	Veterinary Parasitology II (CPB 85202)	Principles of Epidemiology (CPB 854)	Veterinary Systemic Pathobiology (CPB 857)	Veterinary Virology (CPB 860)	Veterinary Clinical Chemistry (CPB 861)	Behavior, Husbandry & Diagnostic Techniques III (VCS 803)	Applications & Integrations IV (VM 850)	Grand Rounds (VM 825)	Epidemiology Elective	
Yr 15	S1	Small Animal Medicine and Surgery I (VCS 806)	Equine Medicine and Surgery (VCS 808)	Ruminant Medicine and Surgery (VCS 809)	Swine Production Medicine (VCS 810)	General Surgery Laboratory (VCS 811)	Principles of Anesthesia, Surgery and Emergency Medicine (VCS 812)	Diagnostic Imaging (VCS 813)	Comparative Theriogenology (VCS 814)	Grand rounds (VM 825)	Toxicology Elective	Diagnostic Imaging Elective
	S2	Small Animal Medicine and Surgery II (VCS 807)	Achieving Success in Private Practice (VCS 817)	Vet Public Health & Zoonoses (CPB 869)	Grand Round (VM 825)	Surgery Laboratory Elective	Toxicology Elective	Theriogenology Elective	Diagnostic Imaging Elective	Ophthalmology (VCS 815)	Clinical Applications (VM 895)	
Yr 16	S1 / S2	Choose one of the following tracks to study for Senior Year: Equine, Food Animal, Small Animal, Companion Animal, Large Animal, Mixed Animal, Non-Practice										