Requirement	Semester Credits	Kansas State University Courses accepted to fulfill requirement	Kansas State University Higher Level Courses are accepted to fulfill requirements. In addition to this chart, please use K-State's Transfer Equivalency to evaluate requirements taken elsewhere.
Chemistry I	4	CHM 210 - Chemistry I CHM 220 - Honors Chemistry I	CHM 585 - Physical Chemistry I CHM 595 - Physical Chemistry II AGRON 605 - Soil and Environmental Chemistry AGRON 855 - Soil Organic Chemistry AGRON 905 - Advanced Soil Chemistry CHM 611 - Inorganic Chemistry I CHM 711 - Inorganic Chemistry I CHM 531 - Organic Chemistry I CHM 532 - Organic Chemistry Laboratory CHM 550 - Organic Chemistry II
Chemistry II	4	CHM 230 - Chemistry II CHM 250 - Honors Chemistry II	CHM 612 - Inorganic Chemistry II CHM 712 - Inorganic Chemistry II CHM 799 - Problems in Chemistry CHM 800 - Chemistry in Outer Space and in the Laboratory CHM 531 - Organic Chemistry I CHM 532 - Organic Chemistry Laboratory CHM 550 - Organic Chemistry II
Organic Chemistry with Lab	5	CHM 350 - General Organic Chemistry CHM 351 - General Organic Chemistry Laboratory CHM 531 - Organic Chemistry I CHM 532 - Organic Chemistry Laboratory CHM 550 - Organic Chemistry II	CHM 652 - Organic Chemistry III: Reactions and Mechanisms CHM 752 - Advanced Organic Chemistry
Biochemistry	3	BIOCH 521 - General Biochemistry	BIOCH 755 - Biochemistry I BIOCH 765 - Biochemistry II BIOCH 799 - Problems in Biochemistry BIOCH 571 - Medical Biochemistry BIOCH 775 - Molecular Biophysics

Physics I	4	PHYS 113 - General Physics I	PHYS 223 - Physics I, Mechanics, and Thermodynamics PHYS 213 - Engineering Physics I
Physics II	4	PHYS 114 - General Physics II	PHYS 214 - Engineering Physics II PHYS 224 - Physics II, Electromagnetism, and Sound PHYS 325 - Physics III, Relativity, and Quantum Physics PHYS 451 - Principles of Contemporary Physics PHYS 642 - Nuclear Physics PHYS 655 - Physics of Solids PHYS 664 - Thermodynamics and Statistical Physics PHYS 694 - Particle Physics PHYS 741 - The Physics of Lasers PHYS 775 - Biological Physics
Biology or Zoology	4	BIOL 198 - Principles of Biology	Any BIO, AP or related course above 200 level considered an advanced Biology course. AP 805 - Cell Physiology AP 837 - Introduction to Cell Physiology AP 843 - Physiology BIOL 500 - Plant Physiology BIOL 513 - Physiological Adaptations of Animals BIOL 868 - Advanced Cellular and Developmental Biology BIOL 330 - Public Health Biology BIOL 401 - Organismic Biology BIOL 410 - Biology of the Cancer Cell BIOL 435 - Environmental Biology BIOL 441 - Human Body I BIOL 442 - Human Body II BIOL 510 - Developmental Biology ASI 400 Farm Animal Reproduction ASI 533 - Anatomy and Physiology ASI 601 Physiology of Lactation BIOL 541 - Cell Biology

			BIOL 604 - Biology of the Fungi BIOL 609 - Cellular and Molecular Biology of Human Diseases BIOL 640 - Population Biology BIOL 642 - Principles of Conservation Biology BIOL 707 - Advanced Cell Biology BIOL 855 - Molecular Biology of Cellular Membranes BIOL 868 - Advanced Cellular and Developmental Biology
Microbiology with Lab	4	BIOL 255 – General Microbiology	BIOL 604 - Biology of the Fungi BIOL 835 - Cellular and Molecular Parasitology AGRON 645 - Soil Microbiology BIOL 530 - Pathogenic Microbiology DMP 925 - Rumen Microbiology FDSCI 307 - Applied Microbiology for Meat and Poultry Processors FDSCI 600 - Food Microbiology BIOL 675 - Genetics of Microorganisms PLPTH 835 - Plant Virology
Genetics	3	BIOL 398 - Principles of Genetics ASI 500 - Genetics	BIOL 580 - Molecular Biology of Genes and Genomes AGRON 680 - Plant Genetics AGRON 915 - Advanced Plant Genetics ASI 510 Animal Breeding Principles ASI 511 - Applied Animal Breeding and Genetics - accepted as a replacement for ASI 500. Must complete ASI 500 for minimum genetics content. ASI 602 - Equine Breeding and Genetics BIOL 520 - Evolution BIOL 675 - Genetics of Microorganisms BIOL 705 - Eukaryotic Genetics ENTOM 860 - Insect Genetics PLPTH 610 Biotechnology PLPTH 820 - Population Genetics

			PLPTH 915 - Advanced Plant Genetics PLPTH 927 - Fungal Genetics
Writing I	3	**Writing** requirements can be fulfilled by composition courses, courses designed to fulfill the writing requirements of the undergraduate institution, or any course with an ENG prefix. Applicants should provide a syllabus to admit@vet.k-state.edu to support the course writing requirement if it is not clear in the name of the course.	
Writing II	3	**Writing** requirements can be fulfilled by composition courses, courses designed to fulfill the writing requirements of the undergraduate institution, or any course with an ENG prefix. Applicants should provide a syllabus to admit@vet.k-state.edu to support the course writing requirement if it is not clear in the name of the course.	
Social Sciences and/or Humanities	12	**Social Sciences and/or Humanities** are fulfilled by courses focused on the study of human behavior and interaction in social, cultural, environmental, economic, and political contexts. Humanities and Social Sciences have a historical and contemporary focus, from personal to global contexts and consider challenges for the future. (Areas of study: law, history, ancient languages, modern languages, philosophy, religion, appreciation of visual/performing arts, anthropology, criminology, administration, archaeology, education, economics, psychology, linguistics, political science). Business and economic courses are also accepted.	

		On the VMCAS and KSU CVM Supplemental Applications, enter only enough courses to fulfill the requirements.	
Total	**53**		