

| SCHOOL OF HEALTH SCIENCES | | | |
|---|--|--------------------------------|--------------------------------|
| Degree: BACHELOR OF SCIENCES | | CURRICULUM | |
| Credits: 119 | | Effective: January 2018 | |
| Program: VETERINARY TECHNOLOGY | | | |
| Description: Graduates will apply knowledge and skills to the care and handling of small and large animals during clinical laboratory procedures, the management of illness, animal nutrition, pharmacology, parasitology, anesthesia and medical and surgical assistance of animals and to the prevention of diseases, hygiene, and cleanliness of the work area and to the management of a veterinary facility. Graduates of the program will be able to work as veterinary technologists with animals in veterinary hospitals, clinics, research facilities at the industry or the academy, at educational institutions, animal shelters, sanctuaries and commercial, police, and military facilities among other settings. | | | |
| Course Code | Course Title | Credits | Requisites |
| General Education Courses (27 crs) | | | |
| FSHS 105 | Freshman Seminar | 3 | |
| BIOL 107 | Biology Science for Veterinary Students | 3 | |
| SPAN 152 | Fundamentals of Reading & Writing | 3 | |
| ENGL 152 | Fundamentals of Reading & Writing | 3 | |
| ENGL 153 | Advance Communicative English | 3 | ENGL 152 |
| MATH 120 | Introductory Algebra | 3 | |
| SPAN 250 | Writing Techniques | 3 | SPAN 152 |
| HUMA 111 | Civilizations and Universal Culture | 3 | |
| SOCS 111 | Introduction to Social Science | 3 | |
| Core Courses (33 crs) | | | |
| PSYC 123 | Survey Course in Psychology | 3 | |
| BIOL 300 | Microbiology | 3 | BIOL 107 Co-req. BIOL 300L |
| BIOL 300L | Microbiology Laboratory | 1 | BIOL 107 Co-req. BIOL 300 |
| CHEM 224 | Fundamentals of General Chemistry | 3 | Co-req. CHEM 224 L |
| CHEM 224 L | Fundamentals of General Chemistry Laboratory | 1 | Co-req. CHEM 224 |
| CHEM 225 | Fundamentals of Organic and Biological Chemistry | 3 | CHEM 224 Co-Req. CHEM 225 L |
| CHEM 225L | Laboratory of Fundamentals of Organic and Biological Chemistry | 1 | CHEM 224 Co-Req. CHEM 225 |
| PHSC 101 | General Physics | 3 | MATH 120 |
| MATH 121 | Intermediate Algebra | 3 | MATH 120 Co-Req. MATH 121 L |
| MATH 121L | Intermediate Algebra Laboratory | 0 | MATH 120 Co-Req. MATH 121 |
| MATH 151 | College Algebra | 4 | MATH 121 Co-Req. MATH 151 L |
| MATH 151 L | College Algebra Laboratory | 0 | MATH 121 Co-Req. MATH 151 |
| MATH 152 | Trigonometry and Analytical Geometry | 4 | MATH 151 Co-Req. MATH 152 L |
| MATH 152L | Trigonometry and Analytical Geometry Laboratory | 0 | MATH 151 Co-Req. MATH 152 |
| MATH 221 | Calculus | 4 | |
| MATH 221 L | Calculus Laboratory | 0 | |
| Concentration Courses (56 crs) | | | |
| AVET 110 | Introduction to Veterinary Sciences | 3 | |

| Course Code | Course Title | Credits | Requisites |
|---------------------------------|---|---------|--|
| AVET 120 | Anatomy and Physiology of Domestic Animals | 4 | AVET 110, BIOL 107 Co-req. AVET 120 L |
| AVET 120 L | Anatomy and Physiology of Domestic Animals Laboratory | 0 | AVET 110, BIOL 107 Co-req. AVET 120 |
| AVET 130 | Veterinary Nursing | 3 | AVET 110 |
| AVET 221 | Common Diseases and Parasitology in Domestic Animals | 4 | AVET 120, AVET 130 |
| AVET 230 | Techniques and Protocols of Veterinary Technology I | 3 | AVET 110 Co-req. AVET 230 L |
| AVET 230 L | Techniques and Protocols of Veterinary Technology I Laboratory | 0 | AVET 101, AVET 110 Co-req. AVET 230 |
| AVET 231 | Techniques and Protocols of Veterinary Technology II | 3 | AVET 230 Co-req. AVET 231 L |
| AVET 231 L | Techniques and Protocols of Veterinary Technology II Laboratory | 0 | AVET 230 Co-req. AVET 231 |
| AVET 240 | Animal Pharmacology and Toxicology | 3 | AVET 120, AVET 130 |
| AVET 245 | Basic Radiology in Domestic Animals | 3 | AVET 221 Co-req. AVET 245 L |
| AVET 245 L | Basic Radiology in Domestic Animals Laboratory | 0 | AVET 221 Co-req. AVET 245 |
| AVET 260 | Management, Practice and Farm Animal Disease | 3 | AVET 120, AVET 130 |
| BVET 310 | Veterinary Anesthesia and Surgical Assisting | 3 | AVET 240, AVET 245 Co-Req. BVET 310L |
| BVET 310L | Veterinary Anesthesia and Surgical Assisting Laboratory | 0 | AVET 240, AVET 245 Co-Req. BVET 310 |
| BVET 350 | Veterinary Dentistry for Veterinary Technicians | 3 | BVET 310 Co-Req. BVET 350L |
| BVET 350L | Veterinary Dentistry Laboratory for Veterinary Technicians | 0 | BVET 310 Co-Req. BVET 350 |
| BVET 360 | Animal Nutrition | 3 | AVET 130, AVET 231 |
| BVET 370 | Veterinary Office Management Fundamentals | 3 | |
| BVET 380 | Critical Care and Veterinary Emergency Fundamentals | 3 | AVET 130, AVET 231 Co-Req. BVET 380L |
| BVET 380L | Critical Care and Veterinary Emergency Fundamentals Laboratory | 0 | AVET 130, AVET 231 Co-Req. BVET 380 |
| BVET 385 | Veterinary Nursing in Alternative Medicine | 3 | AVET 130 |
| BVET 390 | Integrative Seminar | 3 | AVET 240, AVET 245, AVET 231, and AVET 260 |
| BVET 400 | Clinical Practice I | 3 | AVET 120, AVET 130, AVET 230, CHEM 224 |
| BVET 410 | Clinical Practice II | 3 | BVET 400 |
| Elective Courses (3 crs) | | | |
| | Elective | 3 | |

Mínimum graduation GPA 2.00

| SCHOOL OF HEALTH SCIENCES | | | |
|---------------------------------------|---|--------------------------------|---|
| Degree: BACHELOR OF SCIENCES | | PLAN OF STUDY | |
| Credits: 120 | | Effective: January 2018 | |
| Program: VETERINARY TECHNOLOGY | | | |
| Course Code | Course Title | Credits | Requisites |
| FIRST YEAR- FIRST SEMESTER | | | |
| FSHS 105 | Freshman Seminar | 3 | |
| BIOL 107 | Biology Science for Veterinary Students | 3 | |
| AVET 110 | Introduction to Veterinary Sciences | 3 | |
| ENGL 152 | Fundamentals of Reading and Writing | 3 | |
| MATH 120 | Introductory Algebra | 3 | |
| | | 15 | |
| FIRST YEAR- SECOND SEMESTER | | | |
| SPAN 152 | Fundamentals of Reading and Writing | 3 | |
| AVET 120 | Anatomy and Physiology of Domestic Animals | 4 | AVET 110, BIOL 107 |
| AVET 120 L | Anatomy and Physiology of Domestic Animals Laboratory | 0 | AVET 110, BIOL 107 Co-req. AVET 120 |
| AVET 130 | Veterinary Nursing | 3 | AVET 110 |
| AVET 230 | Techniques and Protocols of Veterinary Technology I | 3 | AVET 110 Co-req. AVET 230 L |
| AVET 230 L | Techniques and Protocols of Veterinary Technology I Laboratory | 0 | AVET 101, AVET 110 Co-req. AVET 230 |
| CHEM 224 | Fundamentals of General Chemistry | 3 | MATH 120 Co-req. CHEM 224L |
| CHEM 224L | Fundamentals of General Chemistry Laboratory | 1 | MATH 120 |
| | | 17 | |
| SECOND YEAR- FIRST SEMESTER | | | |
| AVET 221 | Common Diseases and Parasitology in Domestic Animals | 4 | AVET 120, AVET 130 |
| AVET 231 | Techniques and Protocols of Veterinary Technology II | 3 | AVET 230 Co-req. AVET 231 L |
| AVET 231 L | Techniques and Protocols of Veterinary Technology II Laboratory | 0 | AVET 230 Co-req. AVET 231 |
| AVET 260 | Management, Practice and Farm Animal Disease | 3 | AVET 120, AVET 130 |
| SPAN 250 | Writing Techniques | 3 | SPAN 152 |
| BIOL 300 | Microbiology | 3 | BIOL 107 |
| BIOL 300L | Microbiology Laboratory | 1 | Co-req. BIOL 300 |
| | | 17 | |
| SECOND YEAR- SECOND SEMESTER | | | |
| PSYC 123 | Survey Course in Psychology | 3 | |
| AVET 245 | Basic Radiology in Domestic Animals | 3 | AVET 221 |
| AVET 240 | Animal Pharmacology and Toxicology | 3 | AVET 130, AVET 120 |
| HUMA 111 | Civilizations and Universal Culture | 3 | |
| BVET 390 | Integrative Seminar | 3 | AVET 240, AVET 245, AVET 231, and AVET 260 |
| | | 15 | |

| THIRD YEAR- FIRST SEMESTER | | | |
|-------------------------------------|--|----------------|---|
| Course Code | Course Title | Credits | Requisites |
| PHSC 101 | General Physics | 3 | MATH 120 |
| MATH 121 | Intermediate Algebra | 4 | MATH 120 Co-Req. MATH 121 L |
| MATH 121L | Intermediate Algebra Laboratory | 0 | MATH 120 Co-Req. MATH 121 |
| BVET 380 | Critical Care and Veterinary Emergency Fundamentals | 3 | AVET 130, AVET 231 Co-Req. BVET 380L |
| BVET 380L | Critical Care and Veterinary Emergency Fundamentals Laboratory | 0 | AVET 130, AVET 231 Co-Req. BVET 380 |
| BVET 310 | Veterinary Anesthesia and Surgical Assisting | 3 | AVET 240, AVET 245 Co-Req. BVET 310L |
| BVET 310L | Veterinary Anesthesia and Surgical Assisting Laboratory | 0 | AVET 240, AVET 245 Co-Req. BVET 310 |
| | | 13 | |
| THIRD YEAR- SECOND SEMESTER | | | |
| CHEM 225 | Fundamentals of Organic and Biological Chemistry | 3 | CHEM 224 Co- Req. CHEM 225 L |
| CHEM 225L | Laboratory of Fundamentals of Organic and Biological Chemistry | 1 | CHEM 224 Co- Req. CHEM 225 |
| MATH 151 | College Algebra | 4 | MATH 121 Co-Req. MATH 151 L |
| MATH 151 L | College Algebra Laboratory | 0 | MATH 121 Co-Req. MATH 151 |
| BVET 360 | Animal Nutrition | 3 | AVET 130, AVET 231 |
| BVET 350 | Veterinary Dentistry for Veterinary Technicians | 3 | BVET 310 Co-Req. BVET 350L |
| BVET 350L | Veterinary Dentistry Laboratory for Veterinary Technicians | 0 | BVET 310 Co-Req. BVET 350 |
| | | 14 | |
| FOURTH YEAR- FIRST SEMESTER | | | |
| ENGL 153 | Advance Communicative English | 3 | ENGL 152 |
| MATH 152 | Trigonometry and Analytical Geometry | 4 | MATH 151 Co-Req. MATH 152 L |
| MATH 152L | Trigonometry and Analytical Geometry Laboratory | 0 | MATH 151 Co-Req. MATH 152 |
| BVET 370 | Veterinary Office Management Fundamentals | 3 | |
| BVET 385 | Veterinary Nursing in Alternative Medicine | 3 | AVET 130 |
| BVET 400 | Clinical Practice I | 3 | AVET 120, AVET 130, AVET 230, CHEM 224 |
| | | 16 | |
| FOURTH YEAR- SECOND SEMESTER | | | |
| SOCS 111 | Introduction to Social Science | 3 | |
| Elective | Elective | 3 | |
| MATH 221 | Calculus | 3 | |
| MATH 221 L | Calculus Laboratory | 0 | |
| BVET 410 | Clinical Practice II | 3 | BVET 400 |
| | | 12 | |