

## MAJOR IN BIOLOGY Pre-Veterinarian Curriculum

This program is for students preparing for professional careers in Veterinary Medicine which require further education at the graduate level. Students enrolled in this curriculum must earn a grade of "C" or higher in all science courses (biology, chemistry, and physics).

NAME \_\_\_\_\_ ID No. \_\_\_\_\_ Date \_\_\_\_\_

### Freshman Year

<u>First Semester</u>	<u>S.H.</u>	<u>Grade</u>	<u>Second Semester</u>	<u>S.H.</u>	<u>Grade</u>
BIOL 111 Basic Biology	4.0	_____	BIOL 202 Botany	4.0	_____
MATH 112 Trigonometry	3.0	_____	MATH 160 Statistics	3.0	_____
ENGL 100 Composition	3.0	_____	ENGL 101 Academic Writing	3.0	_____
HIST 111 or 112 West. Civ.	3.0	_____	GCC Humanities elective <sup>2 10</sup>	3.0	_____
CUFS 100	1.0	_____	Foreign Language 102	3.0	_____
Connections - CUC 100	<u>0.5</u>	_____	Connections - CUC 100	<u>0.5</u>	_____
	14.5			16.5	

### Sophomore Year

BIOL 203 Zoology	4.0	_____	BIOL 201 Cell/Molecular	4.0	_____
BIOL 205 IRS <sup>L7</sup>	3.0	_____	CHEM 113 Gen. Chem. II	4.0	_____
CHEM 111 Gen. Chem. I	4.0	_____	ENGL 2__ Literature	3.0	_____
ENGL 102 Acad. Writing/Lit.	3.0	_____	MATH 122 Calculus	4.0	_____
Foreign Language 201	3.0	_____	GCC Social Science elective <sup>3</sup>	3.0	_____
Connections - CUC 200	<u>0.5</u>	_____	Connections - CUC 200	<u>0.5</u>	_____
	17.5			18.5	

### Junior Year

BIOL elective <sup>8</sup>	4.0	_____	BIOL 342 Genetics	4.0	_____
CHEM 227 Organic Chem. I	4.0	_____	CHEM 228 Organic Chem. II	4.0	_____
PHYS 221 Physics I	4.0	_____	PHYS 222 Physics II	4.0	_____
CHRS 125 Intro Christianity	3.0	_____	PE 185 Lifetime Wellness	2.0	_____
GCC elective <sup>4 10</sup>	<u>3.0</u>	_____	Fine Arts 131 <sup>1</sup>	<u>3.0</u>	_____
	18.0			17.0	

### Senior Year

BIOL 430 <sup>6 8</sup> , 438 <sup>6</sup> or BIOL elect <sup>4</sup>	4.0	_____	BIOL 327 Ecology	4.0	_____
BIOL 451 Senior Seminar	1.0	_____	BIOL 437 <sup>6 9</sup> or BIOL elect <sup>8</sup>	4.0	_____
Open electives <sup>5 8 9</sup>	<u>11.0</u>	_____	Open electives <sup>5 8 9</sup>	<u>8.0</u>	_____
	16.0			15.0	

**Minimum of 124 hours to graduate.**

<sup>1</sup>ART 131, THEA 131, or MUSC 131

<sup>2</sup>GCC Humanities and Fine Arts elective list. Choose one course from CHRS 202, 212, 224, 236, 251, 322 or higher, PHIL 121, ENGL 201, 202, 203, 204, 205, or 206, HIST 1xx, 2xx, 3xx, or 4xx (note: 2nd West. Civ. class can be taken as Humanities elective), FLAN 221, 222, 241, or 242

<sup>3</sup>GCC Social/Behavioral Science elective list. Choose one course from CRIM, ECON, GEOG, POLS, PSYC, SOCI, or COMM 240

<sup>4</sup>GCC elective: Choose at least one additional course from either the Humanities and Fine Arts or Social/Behavioral Sciences elective lists. (see number 3 and 4 above).

<sup>5</sup>Open elective: any Campbell course, including BIOL courses or courses from the GCC elective lists beyond the GCC requirement. Students are encouraged to complete more than the minimum number of hours in biology.

<sup>6</sup>Students are required to take one of the following: BIOL 430, BIOL 437, or BIOL 438.

<sup>7</sup>Intro to Research & Scientific Literature

**See the back of this sheet for additional important information regarding Required/Recommended Electives →**

Revised 2018

## **Veterinary Programs**

Students should check the specific requirements for each veterinary school program. Some schools may have additional requirements. The GRE is required for admission to veterinary school.

<sup>8</sup>The following courses are **required** for most veterinary programs:

- BIOL 430 Biochemistry
- BIOL 334 Microbiology

<sup>9</sup>The following courses are **recommended** for most veterinary programs:

- BIOL 320 Developmental Vertebrate Anatomy
- BIOL 336 Medical Microbiology
- BIOL 437 Animal Physiology

<sup>10</sup>Additional courses may be recommended or required for admission to some veterinary programs. Some specialized courses may not be taught at Campbell University. It is the student's responsibility to verify which courses are required for admission to programs to which a student applies.

- Animal Nutrition
- Animal Husbandry
- Specific Humanities or Business courses

Most veterinary schools require animal experience (working with livestock, showing and/or breeding dogs, working at a zoo, equestrian activities, etc.). Pet ownership does not apply. Most veterinary programs also require work experience in the veterinary field. Experience in small animal medicine, large animal medicine, and one other area of veterinary medicine is preferred. All veterinary experience should be under the supervision of a DVM or PhD. Please check with each veterinary program for specific work related requirements.