

ANIMAL VETERINARY SCIENCES - ASSOCIATE OF SCIENCE DEGREE (AS)

Explore More About This Program: <https://cwi.edu/program/animal-veterinary-sciences>

Degree Quick Facts

- **Instructional School:** Science, Technology, and Math
- **Department:** Agricultural Sciences
- **Program Code:** VET-SCI.AS
- **Program Type:** Academic Transfer
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

Degree Requirements

Course	Course Title	Min Credits
General Education Requirements		
CWI 101	Connecting With Ideas	3
AGRI 120	Global Food Perspectives - Farm to Plate (Global Perspectives)	3
GEM 1 - Written Communication course		3
GEM 1 - Written Communication course		3
GEM 2 - Oral Communication course		2
Select one of the following (GEM 3):		3-5
MATH 143	College Algebra	
MATH 147	College Algebra and Trigonometry	
MATH 160	Survey of Calculus	
MATH 170	Calculus I	
AGRI 109	Principles of Animal Science (GEM 4)	3
AGRI 109L	Principles of Animal Science Lab (GEM 4)	1
BIOL 111	Biology I (GEM 4)	3
BIOL 111L	Biology I Lab (GEM 4)	1
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
GEM 5 - Humanistic & Artistic Ways of Knowing course ¹		3
SCIE 102	Ethics in Science (GEM 6) ²	3
GEM 6 - Social & Behavioral Ways of Knowing course ¹		3
Major Requirements		
AGRI 271	Animal Anatomy and Physiology	3
AGRI 271L	Animal Anatomy and Physiology Lab	1
AGRI 290	Agricultural Science Capstone	2
BUSA 201	Business Communication and Professionalism	3
or ENGL 202	Technical Communication	
Select 12-14 credits from the Major Electives course list below to bring the total credits earned to 60		12-14
Minimum Credit Hours Required		60

¹ Course must come from a different discipline.

² This course fulfills the Ethical Reasoning requirement for an associate degree from CWI.

Animal Veterinary Sciences: Major Electives

Select **12-14 credits** from the following list to bring the total credits earned to 60. To determine which electives are most appropriate, consult your advisor and refer to the applicable 2+2 guide:

Course	Course Title	Min Credits
AGRI 278	Farm and Agribusiness Management	3
AGRI 289	Agricultural Markets	3
BIOL 112	Biology II	3

BIOL 112L	Biology II Lab	1
CHEM 101	Introduction to Chemistry	3
CHEM 101L	Introduction to Chemistry Lab	1
CHEM 102	Essentials of Organic and Biochemistry	4
CHEM 102L	Essentials of Organic and Biochemistry Lab	1
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Lab	1
CHEM 112	General Chemistry II	3
CHEM 112L	General Chemistry II Lab	2
CHEM 253	Quantitative Analysis	3
CHEM 253L	Quantitative Analysis Lab	2
CHEM 298	Organic Chemistry I	3
CHEM 298L	Organic Chemistry I Lab	2
MATH 144	Trigonometry	2
MATH 153	Statistical Reasoning	3
MATH 170	Calculus I ¹	5
MMBS 111	Introductory Microbiology	3
MMBS 111L	Introductory Microbiology Lab	1
MMBS 250	General Microbiology	3
MMBS 250L	General Microbiology Lab	1
PHYS 111	General Physics I ²	3
PHYS 111L	General Physics I Lab ²	1
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1
PHYS 211	Physics for Scientists and Engineers I ²	4
PHYS 211L	Physics for Scientists and Engineers I Lab ²	1

¹ MATH 170 Calculus I will not fulfill both the GEM 3 requirement and the elective requirement.

² Complete either PHYS 111 and PHYS 111L OR PHYS 211 and PHYS 211L.

Degree Plan

The course sequence listed below is strongly recommended in order to complete your program requirements. Please register for each semester as shown using the Student Planning tool in myCWI. Plans may be modified to fit the needs of part-time students by adding additional semesters. Consult your advisor for any questions regarding this course sequence plan.

First Year

Fall		Credit Hours
AGRI 109	Principles of Animal Science (GEM 4)	3
AGRI 109L	Principles of Animal Science Lab (GEM 4)	1
CWI 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3
Select one of the following (GEM 3): ¹		3-5
MATH 143	College Algebra	
MATH 147	College Algebra and Trigonometry	
MATH 160	Survey of Calculus	
MATH 170	Calculus I	
GEM 2 - Oral Communication course		2
Total Semester Credit Hours		15

Spring

BIOL 111	Biology I (GEM 4)	3
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BIOL 111L	Biology I Lab (GEM 4)	1
ENGL 102	Writing and Rhetoric II (GEM 1)	3
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
Major Electives	Select 3-5 credits from the list below to bring the total credits earned to 60	3-5
Total Semester Credit Hours		13

Second Year

Fall		
AGRI 120	Global Food Perspectives - Farm to Plate (Global Perspectives) ²	3
AGRI 271	Animal Anatomy and Physiology	3
AGRI 271L	Animal Anatomy and Physiology Lab	1
BUSA 201 or ENGL 202	Business Communication and Professionalism or Technical Communication	3
SCIE 102	Ethics in Science (GEM 6) ²	3
Major Electives	Select 3-5 credits from the list below to bring the total credits earned to 60	3-5
Total Semester Credit Hours		16

Spring

AGRI 290	Agricultural Science Capstone	2
GEM 5 - Humanistic & Artistic Ways of Knowing course ³		3
GEM 6 - Social & Behavioral Ways of Knowing course ³		3

Major Electives	Select 6-10 credits from the list below to bring the total credits earned to 60	6-10
Total Semester Credit Hours		16
Minimum Credit Hours Required		60

¹ A higher math course may be required by your transfer institution. Check with the appropriate four-year program to determine if a higher level of math is needed.

² This course fulfills the Ethical Reasoning requirement for an associate degree from CWI.

³ Course must come from a different discipline.

Animal Veterinary Sciences: Major Electives

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AGRI 289	Agricultural Markets	3
BIOL 112	Biology II	3
BIOL 112L	Biology II Lab	1
CHEM 101	Introduction to Chemistry	3
CHEM 101L	Introduction to Chemistry Lab	1
CHEM 102	Essentials of Organic and Biochemistry	4
CHEM 102L	Essentials of Organic and Biochemistry Lab	1

CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Lab	1
CHEM 112	General Chemistry II	3
CHEM 112L	General Chemistry II Lab	2
CHEM 253	Quantitative Analysis	3
CHEM 253L	Quantitative Analysis Lab	2
CHEM 298	Organic Chemistry I	3
CHEM 298L	Organic Chemistry I Lab	2
MATH 144	Trigonometry	2
MATH 153	Statistical Reasoning	3
MATH 170	Calculus I ¹	5
MMBS 111	Introductory Microbiology	3
MMBS 111L	Introductory Microbiology Lab	1
MMBS 250	General Microbiology	3
MMBS 250L	General Microbiology Lab	1
PHYS 111	General Physics I ²	3
PHYS 111L	General Physics I Lab ²	1
PHYS 112	General Physics II	3
PHYS 112L	General Physics II Lab	1
PHYS 211	Physics for Scientists and Engineers I ²	4
PHYS 211L	Physics for Scientists and Engineers I Lab ²	1

¹ MATH 170 Calculus I will not fulfill both the GEM 3 requirement and the elective requirement.

² Complete either PHYS 111 and PHYS 111L **OR** PHYS 211 and PHYS 211L.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Understand the science behind current animal practices and potential impacts on our society.
- Use critical thinking skills and scientific principles to understand current issues and societal concerns about animal agriculture.
- Use the process of science and evidence-based approaches to understand questions and processes regarding animal agriculture.
- Communicate the importance of animal agriculture and serve as a resource of information to our society.