

ANIMAL VETERINARY SCIENCES - ASSOCIATE OF SCIENCE DEGREE (AS)

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

Degree Requirements

Course	Course Title	Min Credits
General Education Requirements		
<i>Complete the following course to fulfill the Connecting with Ideas requirement:</i>		
CWID 101	Connecting With Ideas	3
<i>Complete the following courses to fulfill the GEM 1 requirement:</i>		
GEM 1 - Written Communication course		3
GEM 1 - Written Communication course		3
<i>Complete the following course to fulfill the GEM 2 requirement:</i>		
GEM 2 - Oral Communication course		2
<i>Complete one of the following courses to fulfill the GEM 3 requirement:</i>		
Select one of the following:		3-5
MATH 143	College Algebra	
MATH 160	Survey of Calculus	
MATH 170	Calculus I	
<i>Complete the following courses to fulfill the GEM 4 requirement:</i>		
BIOL 111	Biology I	3
BIOL 111L	Biology I Lab	1
AGRI 109	Principles of Animal Science	3
AGRI 109L	Principles of Animal Science Lab	1
<i>Complete the following courses to fulfill the GEM 5 requirement:</i>		
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
GEM 5 - Humanistic & Artistic Ways of Knowing course ¹		3
<i>Complete the following courses to fulfill the GEM 6 requirement:</i>		
SCIE 102	Ethics in Science ²	3
GEM 6 - Social & Behavioral Ways of Knowing course ¹		3
<i>Complete the following course to fulfill the Global Perspectives requirement:</i>		
AGRI 120	Global Food Perspectives - Farm to Plate	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 & Professionalism	3
or ENGL 202	Technical Communication	
Select 12-14 credits from the 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: Restricted Electives

Select 12-14 credits from the following to bring the total credits earned to 60. To determine which elective from the courses listed below is 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 102	Essentials of Organic and Biochemistry	4
CHEM 102L	Essentials of Organic & 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	1
CHEM 299	Organic Chemistry II	3
CHEM 299L	Organic Chemistry II Lab	2
MATH 153	Statistical Reasoning	3
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 ¹	3
PHYS 111L	General Physics I Lab ¹	1
PHYS 211	Physics for Scientists and Engineers I ¹	4
PHYS 211L	Physics for Scientists & Engineers I Lab ¹	1
PHYS 112	General Physics II ²	3
PHYS 112L	General Physics II Lab ²	1
PHYS 212	Physics for Scientists & Engineers II ²	4
PHYS 212L	Physics Fr Scientists & Engineers II Lab ²	1

¹ Complete either PHYS 111 and PHYS 111L **OR** PHYS 211 and PHYS 211L.

² Complete either PHYS 112 and PHYS 112L **OR** PHYS 212 and PHYS 212L.

Plan of Study Guide

Below is the recommended sequence of courses that you need to take in order to complete your program requirements. Please register for each semester as shown below using the Student Planning tool in myCWI. Consult your Student Success Advisor for any questions regarding this course sequence plan.

First Year

Course	Course Title	Credit Hours
CWID 101	Connecting With Ideas	3
ENGL 101	Writing and Rhetoric I (GEM 1)	3
GEM 2 - Oral Communication course		2
Select one of the following (GEM 3):		3-5
MATH 143	College Algebra ¹	
MATH 160	Survey of Calculus ¹	
MATH 170	Calculus I ¹	
AGRI 109	Principles of Animal Science (GEM 4)	3

AGRI 109L	Principles of Animal Science Lab (GEM 4)	1
Total Semester Credit Hours		15
Spring		
Restricted Electives	Select 3-5 credits from the list below to bring the total credits earned to 60	3-5
ENGL 102	Writing and Rhetoric II (GEM 1)	3
BIOL 111	Biology I (GEM 4)	3
BIOL 111L	Biology I Lab (GEM 4)	1
GEM 5 - Humanistic & Artistic Ways of Knowing course		3
Total Semester Credit Hours		13
Second Year		
Fall		
AGRI 271	Animal Anatomy and Physiology	3
AGRI 271L	Animal Anatomy and Physiology Lab	1
BUSA 201 or ENGL 202	Business Communication & Professionalism or Technical Communication	3
Restricted Electives	Select 3-5 credits from the list below to bring the total credits earned to 60	3-5
SCIE 102	Ethics in Science (GEM 6) ²	3
AGRI 120	Global Food Perspectives - Farm to Plate (Global Perspectives) ²	3
Total Semester Credit Hours		16
Spring		
AGRI 290	Agricultural Science Capstone	2
Restricted Electives	Select 6-10 credits from the list below to bring the total credits earned to 60	6-10
GEM 5 - Humanistic & Artistic Ways of Knowing course ³		3
GEM 6 - Social & Behavioral Ways of Knowing course ³		3
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 associates degree from CWI.

³ Course must come from a different discipline.

Animal Veterinary Sciences: Restricted Electives

Select 12-14 credits from the following to bring the total credits earned to 60. To determine which elective from the courses listed below is 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 102	Essentials of Organic and Biochemistry	4
CHEM 102L	Essentials of Organic & 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	1
CHEM 299	Organic Chemistry II	3
CHEM 299L	Organic Chemistry II Lab	2

MATH 153	Statistical Reasoning	3
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 ¹	3
PHYS 111L	General Physics I Lab ¹	1
PHYS 211	Physics for Scientists and Engineers I ¹	4
PHYS 211L	Physics for Scientists & Engineers I Lab ¹	1
PHYS 112	General Physics II ²	3
PHYS 112L	General Physics II Lab ²	1
PHYS 212	Physics for Scientists & Engineers II ²	4
PHYS 212L	Physics Fr Scientists & Engineers II Lab ²	1

¹ Complete either PHYS 111 and PHYS 111L **OR** PHYS 211 and PHYS 211L.

² Complete either PHYS 112 and PHYS 112L **OR** PHYS 212 and PHYS 212L.

Program Outcomes

The following are student learning outcomes for the Associate of Science in Animal Veterinary Sciences at CWI:

- Graduates will have a general understanding of the science behind current animal practices and potential impacts to our society.
- Graduates will be able to use critical thinking skills and scientific principles to understand current issues and societal concerns about animal agriculture.
- Graduates will be able to use the process of science and evidence-based approaches to understand questions and processes regarding animal agriculture.
- Graduates will be able to communicate the importance of animal agriculture and serve as a resource of information to our society.