

## **ANS Laboratory Course Requirement**

Only **one** lab course is required to fulfill the requirement.

For more details about each course please refer to the UC Davis General catalog:

<https://ucdavis.pubs.curricunet.com/Catalog>

Course	Prerequisites	Units	Quarter	Title
ANG 111	BIS 2C, BIS 101, ABI 103	4	F, W	Molecular Biology Laboratory Techniques
ANS 106	ANS 104 or NPB 102	3	W	Domestic Animal Behavior Laboratory
ANS 130	ANS 100/NPB 101	3	S	Endocrinology Laboratory
ANS 132	BIS 2AB and CHE 8B/118B	3	F	Microbiology of Animal Systems Laboratory
ANS 133	ABI 102, ABI 103, ANS 100/NPB 101	4	NCO	Animal Cell Culture Laboratory
ANS 134	ABI 103 (conc. ok), ANS 100/NPB 101 (conc. ok), STA 100/PLS 120	3	W	Animal Nutrition Laboratory
ANS 135	ABI 102, ABI 103, ANS 100/NPB 101, STA 100 rec.	3	F	Production Animal Laboratory
ANS 136	ANS 2, BIS 2ABC, CHE 8B/118B	3	F	Techniques and Practices of Fish Culture
ANS 137	ANS 2, BIS 2ABC, CHE 8B/118B	3	S	Techniques and Practices of Avian Culture
ANS 138	CHE 2B, ANS 120 rec.	3	F (odd years)	Meat Quality and Safety Laboratory
ANS 139	ABI 102, BIS 101	3	NCO	Experiments in Animal Physiology
ANS (160A + 160B) **	ANS 104 OR NPB 102 (conc. ok), NPB 121 (conc. ok)	2 + 2 (4 total)	W (160A) + S (160B)	Stress and Male Reproduction <b>*Students <u>must</u> take both the winter and spring course to fulfill the lab requirement</b>
MCB 120L	BIS 102/ABI 102, MCB 120 (3 units) (must take conc.) <b>(Pass 1 restricted to MCB, MIC Majors only)</b>	3	All	Molecular Biology and Biochemistry Laboratory
MCB 160L	BIS 101 <b>(Pass 1 restricted to Genetics Majors only)</b>	5	All	Principles of Genetics Laboratory
NPB 101L	ANS 100 or NPB 101 <b>(Pass 1 restricted to NPB, BIS, CNU, NSC Majors only)</b>	3	All	Systemic Physiology Laboratory
PMI 126L	PMI 126 (3 units) (conc. ok)	2	NCO	Immunology Laboratory

\*\*ANS 160A and 160B uses a deferred grading method; grades for both classes will be available after completion of 160B

F, W, S, Su: Fall, Winter, Spring, Summer

Conc. Ok : Concurrent Enrollment ok

Rec.: Recommended

NCO: Not Currently Offered

Updated 10/26/2021

## Integrative Animal Biology Courses and Prerequisites

### Integrative Animal Biology Courses – must take 2 courses from the list below

Course	Prerequisites	Units	Quarter	Title
NPB 130	ANS 100 or NPB 101	4	F	Physiology of the Endocrine Glands
ANS 124	ABI 103 (conc. ok), ANS 100 or NPB 101	4	W	Lactation
NPB 121	ANS 100 or NPB 101	4	W	Physiology of Reproduction <b>**NPB 121L is OPTIONAL</b>
ANS 123	ABI 103 or BIS103, ANS 100 or NPB 101	4	S	Animal Growth and Development

### Aquatics Integrative Animal Biology Courses – must take 2 courses from the list below

Only use select courses from this list if you are specializing in Aquatics

Course	Prerequisites	Units	Quarter	Title
WFC 120	BIS 2B	3	F	Biology and Conservation of Fishes
NPB 123	BIS2AB	4	F	Comparative Vertebrate Organology
EVE 112	BIS 2BC (courses in systematics, and EVE courses rec)	3	W (even years)	Biology of Invertebrates
ANS 123	ABI 103 or BIS 103 and ANS 100 or NPB 101	4	S	Animal Growth and Development

### Avian and Poultry Integrative Animal Biology Courses – must take 2 courses from the list below

Only use select courses from this list if you are specializing in Avian or Poultry

Course	Prerequisites	Units	Quarter	Title
NPB 130	ANS 100 or NPB 101	4	F	Physiology of the Endocrine Glands
AVS 103	BIS 2AB	3	NCO	Avian Development and Genomics
AVS 100	BIS 2AB	3	S	Avian Biology
ANS 123	ABI 103 or BIS103 and ANS 100 or NPB 101	4	S	Animal Growth and Development

#### Prerequisite Sequences

Course:	Required Preparation:
ABI 102	CHE2AB, CHE8AB, or 118AB
ABI 103	ABI 102
ANG 107	BIS 101
ANS 100	BIS 2A, CHE 2AB
BIS 101	BIS 2AB (C- or better) , CHE8A or 118A, STA 100
NPB 101	BIS 2A, CHE 2AB, Physics recommended
STA 100	MAT 16AB

F, W, S, Su: Fall, Winter, Spring, Summer  
 Conc. Ok : Concurrent Enrollment ok  
 Rec.: Recommended  
 NCO: Not Currently Offered