

# BACHELOR OF SCIENCE DEGREE IN ANIMAL SCIENCE

SCIENCE & PRE-PROFESSIONAL EMPHASIS

CATALOG YEAR 2024

This checklist is intended as a guide and is not an official document.

NAME \_\_\_\_\_

SID # \_\_\_\_\_

## UNIVERSITY GPA & UNIT REQUIREMENTS:

Cumulative GPA: \_\_\_\_\_

Minor: \_\_\_\_\_

ANS Major GPA: \_\_\_\_\_

Minor GPA: \_\_\_\_\_

Total Units: \_\_\_\_\_ out of 120 (Needed: \_\_\_\_)

Upper Division Units: \_\_\_\_\_ out of 42 (Needed: \_\_\_\_)

4-YR Institution Units: \_\_\_\_\_ out of 56 (Needed: \_\_\_\_)

Mid-Career Writing Assess. (B or higher in English 102): \_\_\_\_\_

## HONOR REQUIREMENTS:

Honors: Yes/No Honors Units Needed: \_\_\_\_\_

## UNDERGRADUATE GOALS:

Graduation Date: \_\_\_\_\_

Career Goal(s): \_\_\_\_\_

Questions/Thoughts from Student:

Questions/Thoughts from Advisor:

Course Type	Course Subject and Prefix	Course Name	Semester Offered	Units	Required Pre-Requisites	Rec. Pre-Requisite	Sem/Yr Completed	Other Notes
<b>Foundations</b>								
<i>Math</i>	Math 112	College Algebra	Fall, Spring, Summer	3	ALEKS PPL Assessment of 40% or greater			
<i>English</i>	ENGL 101	English Composition I	Fall, Spring, Summer	3				
	ENGL 102	English Composition II	Fall, Spring, Summer	3				B or higher required for Mid- Career Writing Assessment
	-or ENGL 109H	Honors English	Fall, Spring, Summer	3				
<i>Second Language</i>			Fall, Spring, Summer	4	Language Placement			C or higher is Required; 2 <sup>nd</sup> Semester Proficiency needed; Prof. or CLEP Exams accepted
<b>General Education</b>								
	Univ 101	Intro to University Experience	Fall, Spring, Summer	1				
	Univ 301	Portfolio course	Fall, Spring, Summer	1	Completed Math and English + 5 out of 7 required gen eds			Fully online
<i>Exploring Perspectives</i>								
	Artist			3				
	Humanist			3				
	Natural Scientist			3				
	Social Scientist			3				
<i>Building Connections</i> (3 Courses, 9 units)				3				
				3				
				3				
Notes: Transfer Student don't take UNIV 101 or 301; Only 9 units of major course work can count toward gen ed requirements.								

<b>ANIMAL SCIENCE Major Core Coursework</b>	<b>Course Number and Name</b>		<b>Semester offered</b>	<b>Units</b>	<b>Required Pre-Reqs</b>	<b>Recom. Pre-Req</b>	<b>Sem/Yr Completed</b>	<b>Notes</b>
	ACBS 395A	An ACBS Guide: Designing the Prof.	Fall	1		Soph. Year Preferred		
	ACBS 102R	Intro to Animal Science Lecture	Fall	3				
	ACBS 102L	Intro to Animal Science Lab	Fall	1				Off Campus – Campus Ag Center
	ACBS 215	Physiology and Anatomy of Domestic animals	Spring	3	MCB 181R/L			
	ACBS 334	Principles of Animal Nutrition	Fall	3	ACBS 102R			
	AREC 217	Econ of Food and Ag.: Sustainable Solutions for a Changing world	Fall	3				Social Scientist
	ACBS 315R	Physiology of Reproduction Lecture	Fall	3	CHEM 152 & ECOL 182R or ACBS 215			
	ACBS 315L	Physiology of Reproduction Lab	Fall	1		ACBS 315L Concurrent enrollment		
	ACBS 405	Principles of Livestock Health Management	Spring	3				Fully Online course
	ACBS 313	Principles of Animal Genetics	Spring	3				
	MCB 181R/L	General Biology I	Fall, Spring, Summer	3,1		CHEM 151		
		Communications	Fall, Spring, Summer	3				
		Statistics	Fall, Spring, Summer	3-4	Math 112 or PPL score of 60% or more			

**Communications** Requirement Options:

ALC 422  
AED 301  
ENGL 307 – Fulfills mid-career writing assessment if needed.  
ENGL 308- Fulfills mid-career writing assessment if needed.  
COMM 101  
COMM 119

**Statistics** Requirement Options:

Math 263 Biostats and Math 163 Basic Statistics – Recommended for student pursuing DVM Admissions  
SBS 200 – 4-unit option with lecture and lab  
AREC 239- 4-unit option with lecture and discussion  
PSY 230- Reserved for PSY majors/minors during registration.

<i>Science and Pre-Professional Emphasis Core Courses</i>	<b>Course Number</b>	<b>Course Name</b>	<b>Semester Offered</b>	<b>Units</b>	<b>Required Pre-Reqs</b>	<b>Recom. Pre-Reqs</b>	<b>Sem./Yr. Completed</b>	<b>Notes</b>
	ECOL 182R, 182L	General Biology II, Lecture	Fall, Spring, Summer	3,1				Natural Scientist
	MIC 205a	General Microbiology Lec.	Fall, Spring, Summer	3		MCB 181R		
	CHEM 151	General Chemistry I Lecture/Lab	Fall, Spring	4	Math 112 or 60% or higher on PPL			Natural Scientist
	CHEM 152	Gen. Chemistry II, Lecture	Fall, Spring	4	Chem 151			
	CHEM 241a, 243a	Organic Chem I, Lecture/Lab	Fall, Spring Summer	3,1	Chem 152			
	CHEM 241b, 243b	Organic Chem II, Lecture/Lab	Fall, Spring, Summer	3,1	Chem 241a, 243a			
	PHYS 102, 181	General Physics I Lecture/Lab	Fall, Spring, Summer	3,1	Math 112 or 60% or higher on PPL			
	PHYS 103, 182	General Physics II, Lecture/Lab	Fall, Spring, Summer	3,1	Phys 102, 181			
	ACBS 400a	Animal Anatomy I	Fall	3	CHEM 241a			
	ACBS 445	Nutritional Physiology and Metabolic Biochemistry	Spring	3	CHEM 152 or CHEM 241a			
	MCB 410	Cell Biology	Summer, Fall	3	MCB 181 and ECOL 182			Fully Online; 7-week course
		Animal Science Electives (11 units)	Fall, Spring, Summer	11				
<b>ANS Electives include:</b>		<b>6 units must be from the ACBS course subject area</b>						
<b>300 or 400 level courses.</b>								
<b>Course Subjects Allowed; ACBS, MIC, MCB, ECOL, AREC,</b>								
<b>ALC, RAM,RNR, WFSC,PLS, ENVS, BIOC, NSC</b>								

# SEMESTER PLAN



YEAR 1:

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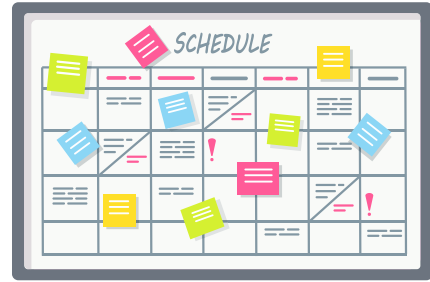
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# SEMESTER PLAN

YEAR 2



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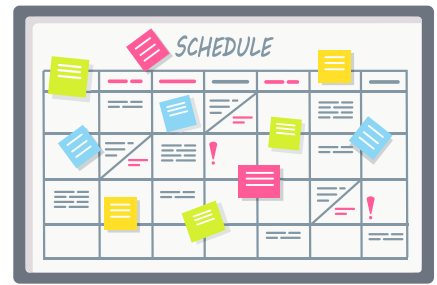
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# SEMESTER PLAN

YEAR 3:



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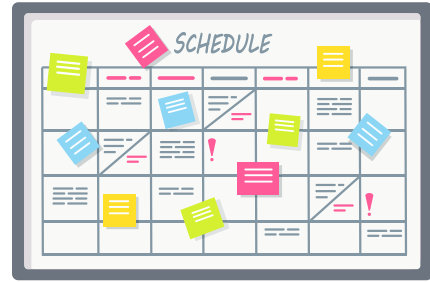
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# SEMESTER PLAN

YEAR 4



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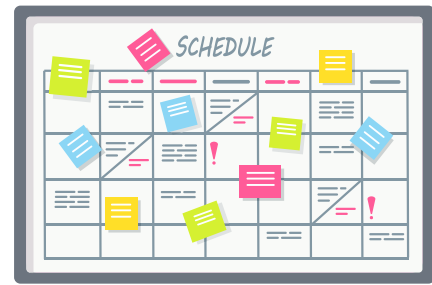
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SUMMER AND  
NOTES



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