

## Animal Health Science, B.S.: 120 units 2021-2022 Academic Year

	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
<b>Year 1</b>	AHS 1104 Orientation and Careers in Animal Health Science [F]	Prereq: AHS major.	2	AHS 1129 Handling, Restraint and Nursing Care of Domestic Animals [Sp]	Prereq: AHS 1104. Coreq: AHS 1129L.	3	[ ] = Term Typically Offered F = Fall Sp = Spring Su = Summer e = even years o = odd years
	CHM 1210 General Chemistry I (B1) [FSpSu]	Prereq: SAT Math $\geq$ 550; ACT Math $\geq$ 23; C or better in MAT 12, 105, 106, 112, 114, 115, 116, 120, 125, 130, 191, 214, 216, 224, MAT 1050, MAT 1052, MAT 1060, MAT 1140, MAT 1150, MAT 1200, MAT 1250, MAT 1300, MAT 1310, MAT 1910, MAT 2140, MAT 2240, MAT 2250, STA 120, Coreq: CHM 1210L.	3	AHS 1129L Handling, Restraint and Nursing Care of Domestic Animals Laboratory [Sp]	Prereq: AHS 1104. Coreq: AHS 1129.	2	
	CHM 1210L General Chemistry Laboratory I (B3) [FSpSu]	Prereq: SAT Math $\geq$ 550; ACT Math $\geq$ 23; C or better in MAT 12, 105, 106, 112, 114, 115, 116, 120, 125, 130, 191, 214, 216, 224, MAT 1050, MAT 1052, MAT 1060, MAT 1140, MAT 1150, MAT 1200, MAT 1250, MAT 1300, MAT 1310, MAT 1910, MAT 2140, MAT 2240, MAT 2250, STA 120, Coreq: CHM 1210.	1	STA 1200 Statistics with Applications (B4) [FSpSu] (Success Marker)	Prereq: SAT, ELM, ALEKS, ACT, IRW, GE Area B4; C or better in MAT 106, MAT 1060, MAT 125, MAT 1250, MAT 191, MAT 1910, MAT 105, MAT 1050, or STA 1300; or C- or better in MAT 1051.	3	
	MAT 1050 College Algebra (B4) [FSpSu] (Success Marker)	Prereq: Category I, Category II, Category III, ALEKS $\geq$ 46, or completion of GE Sub-area B4. Coreq: MAT 1050A (only if Category III).	3	BIO 1150 Basic Biology (B2) [FSp]	Coreq: BIO 1150L.	3	
	GE Area A2: Written Communication [FSp] (Success Marker)		3	BIO 1150L Basic Biology Laboratory (B3) [FSp]	Coreq: BIO 1150.	1	
	GE Area F: Ethnic Studies [FSp]		3	CHM 1220 General Chemistry II (B1) [FSpSu]	Prereq: C- or better in CHM 1210, CHM 122 or CHM 122B; and C- or better in CHM 1210L, CHM 122L or CHM122LB. Coreq: CHM 1220L.	3	
			0	CHM 1220L General Chemistry Laboratory II (B3) [FSpSu]	Prereq: C- or better in CHM 1210, CHM 122 or CHM 122B; and C- or better in CHM 1210L, CHM 122L or CHM122LB. Coreq: CHM 1220.	1	

		0		0
	<b>Total Units</b>	<b>15</b>	<b>Total Units</b>	<b>16</b>



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<b>Year 2</b>	AHS 2202 Clinical Anatomy and Physiology [F]	Prereq: AHS major, BIO 1150 or BIO 115, BIO 1150L or BIO 115L, CHM 1210 or CHM 121, and CHM 1210L or CHM 121L. Coreq: AHS 2202L and AHS 2210.	3	AHS 3235 Laboratory Procedures and Clinical Pathology [Sp]	Prereq: BIO 1150, BIO 1150L, CHM 1210, AHS 2202, and AHS 2202L. Coreq: AHS 3235L.	3	
	AHS 2202L Clinical Anatomy and Physiology Laboratory [F]	Prereq: AHS major, BIO 1150 or BIO 115, BIO 1150L or BIO 115L, CHM 1210 or CHM 121, and CHM 1210L or CHM 121L. Coreq: AHS 2202 and AHS 2210.	1	AHS 3235L Laboratory Procedures and Clinical Pathology Laboratory [Sp]	Prereq: BIO 1150, BIO 1150L, CHM 1210, AHS 2202, and AHS 2202L. Coreq: AHS 3235	2	
	AHS 2210 Veterinary Terminology [F]	Prereq: AHS 1104 Coreq: AHS 2202 and AHS 2202L.	1	AHS 3305 Parasitology and Infectious Diseases [Sp]	Prereq: AHS major, AVS major, AG 1010 or AG 1110, or instructor permission; BIO 1150 or BIO 1210; and BIO 1150L or BIO 1210L. Coreq: AHS 3305L.	3	
	AHS 2208 Diagnostic Imaging [F]	Prereq: AHS major, AHS 1129, and AHS 1129L. Coreq: AHS 2208L.	1	AHS 3305L Parasitology and Infectious Diseases Laboratory [Sp]	Prereq: AHS major, AVS major, AG 1010 or AG 1110, or instructor permission; BIO 1150 or BIO 1210; and BIO 1150L or BIO 1210L. Coreq: AHS 3305.	1	
	AHS 2208L Diagnostic Imaging Laboratory [F]	Prereq: AHS major, AHS 1129, and AHS 1129L. Coreq: AHS 2208.	2	BIO 2060 Basic Microbiology [FSp]	Prereq: BIO 121/BIO 121L, BIO 122/BIO 122L, and BIO 123/BIO 123L; BIO 121/BIO 121L and BIO 122/BIO 122L/BIO 1220C; BIO 121/BIO 121L/BIO 1210B and BIO 1220/BIO 1220L; BIO 1210/BIO 1210L and BIO 1220/BIO 1220L; BIO 115/115L/115A; or BIO 1150/BIO 1150L. Coreq: BIO 2060L.	3	
	AG 1110 Agriculture: The Foundation of Civilizations (C2) [FSp]		3	BIO 2060L Basic Microbiology Laboratory [FSp]	Prereq: BIO 121/BIO 121L, BIO 122/BIO 122L, and BIO 123/BIO 123L; BIO 121/BIO 121L and BIO 122/BIO 122L/BIO 1220C; BIO 121/BIO 121L/BIO 1210B and BIO 1220/BIO 1220L; BIO 1210/BIO 1210L and BIO 1220/BIO 1220L; BIO 115/115L/115A; or BIO 1150/BIO 1150L. Coreq: BIO 2060.	1	
	GE Area A1: Oral Communication [FSp]		3	GE Area A3: Critical Thinking [FSp]		3	
			0			0	
<b>Semester Total Units</b>			<b>14</b>	<b>Semester Total Units</b>		<b>16</b>	



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<b>Year 3</b>	AHS 3263 Companion Animal Nursing and Surgical Skills [F]	Coreq: AHS 3263L.	2	AHS 4407 Critical Care, Advanced Surgical Assisting and Anesthesiology [Sp]	Prereq: AHS 202 or AHS 2202, AHS 202L or AHS 2202L, AHS 208 or AHS 2208, AHS 263 or AHS 3263, AHS 263L or AHS 3263L, AHS 307 or AHS 3307, and AHS 307L or AHS 3307L. Coreq: AHS 4407L.	2	
	AHS 3263L Surgical Nursing Skills Laboratory [F]	Prereq: AHS 3235/AHS 3235L, AHS 2202/AHS 2202L, and AHS 2208/AHS 2208L. Coreq: AHS 3263.	1	AHS 4407L Critical Care, Advanced Surgical Assisting and Anesthesiology Laboratory [Sp] (Success Marker)	Prereq: AHS 202 or AHS 2202, AHS 202L or AHS 2202L, AHS 208 or AHS 2208, AHS 208L or AHS 2208L, AHS 263 or AHS 3263, AHS 263L or AHS 3263L, AHS 307 or AHS 3307, and AHS 307L or AHS 3307L. Coreq: AHS 4407.	2	
	AHS 3307 Clinical Pharmacology [F]	Prereq: AHS 2202, AHS 2202L, AHS 2208, AHS 2208L, AHS 3235, and AHS 3235L. Coreq: AHS 3307L.	3	AHS 4408L Surgical Recovery, Nursing and Critical Care Laboratory	Coreq: AHS 4407 and AHS 4407L.	2	
	AHS 3307L Clinical Pharmacology Laboratory [F]	Prereq: AHS 2202, AHS 2202L, AHS 2208, AHS 2208L, AHS 3235, and AHS 3235L. Coreq: AHS 3307.	1	GE Area D1: U.S. History American Ideals [FSp]		3	
	AHS 2410 Clinical Internship I [FSp]	Prereq: AHS 129 or AHS 1129 and AHS 129L or AHS 1129L.	1	GE Area D2: U.S. Constitution and California Government [FSp]		3	
	AVS 2211 Drugs and Society (E) [FSp]		3	GE Area C1 or GE Area C2 [FSp]	Select either C1: Visual and Performing Arts or C2: Literature, Modern Languages, Philosophy and Civilization course	3	
	GE Area C1: Visual and Performing Arts [FSp]		3			0	
			0			0	
<b>Semester Total Units</b>		<b>14</b>	<b>Semester Total Units</b>		<b>15</b>		

Year 4	Fall		Units	Spring		Units	Comments
	Courses	Requirements/Comments		Courses	Requirements/Comments		
	AHS 2220 Clinical Nutrition [F]	Prereq: BIO 115 or BIO 1150; BIO 115L or BIO 1150L; CHM 121 or CHM 1210 and CHM 121L or CHM 1210L. Coreq: AHS 2220L.	2	AHS 3369 Lab Animal Management [Sp]	Prereq: AHS 104 or AHS 1104; AHS 129 or AHS 1129; AHS 129L or AHS 1129L; and junior or senior standing. Coreq: AHS 3369L.	2	
AHS 4450 Veterinary Economics and Office Procedures [F]	Prereq: Junior standing and AHS 2210.	1	AHS 3369L Laboratory Animal Management Laboratory [Sp]	Prereq: AHS 104 or AHS 1104; AHS 129 or AHS 1129; AHS 129L or AHS 1129L; and junior or senior standing. Coreq: AHS 3369.	1		
AHS 4410 Clinical Internship II [Sp]	Prereq: AHS 245 or AHS 2410.	1	AHS 4420 Advanced Clinical Internship II [FSp]	Prereq: AHS 442 or AHS 4410.	1		
AG 4010 Ethical Issues in Food, Agricultural and Apparel Industries (D4, C3) [FSpSu]	Prereq: Junior or Senior Standing; and Lower division GE requirements in Area A, at least two sub-areas in Area C, and at least two sub-areas in Area D.	3	GE Area B5: Science and Technology Synthesis [FSp]		3		
Emphasis Recommended	Select from Curriculum Sheet	3	AHS 4610 Senior Seminar [FSp]	Senior standing, AHS 4407, and AHS 4407L.	2		
Emphasis Recommended	Select from Curriculum Sheet	3	Emphasis Recommended [FSp]	Select from Curriculum Sheet	3		
GE Area C3: Arts and Humanities Synthesis [FSp]	or GE Area C3: Art and Humanities Synthesis (Choose GE area depending on how you count AG 4010)	3	AHS 4200 Large Animal Medicine and Nursing Skills [Sp]	AHS 3263, AHS 3263L, AHS 3307 and AHS 3307L.	1		
		0	AHS 4200L Large Animal Medicine and Nursing Skills Laboratory [Sp]	Prereq: AHS 3263/L and AHS 3307/L.	1		
<i>File an application to graduate</i>							
<b>Semester Total Units</b>		<b>16</b>	<b>Semester Total Units</b>		<b>14</b>		
					<b>Total Units</b>	<b>120</b>	