

**ARTICULATION AGREEMENT FOR  
AS BIOLOGY AND BS ZOOLOGY  
BETWEEN CASPER COLLEGE AND THE UNIVERSITY OF WYOMING**

**OVERVIEW:**

This formal program articulation agreement is made and entered into by Casper College, hereinafter referred to as CC, and University of Wyoming, hereinafter referred to as UW. By this agreement, CC and UW express a shared commitment to increasing opportunities for student access to and success in higher education.

**PURPOSE:**

This agreement provides students who have completed the **Associate of Science** degree with articulated coursework in the area of Biology, the opportunity to complete a **Bachelor of Science in Zoology** at UW. Any CC student who has earned an Associate of Science degree with coursework that adheres to the guidelines within this agreement is guaranteed that UW will accept designated major related credits and that all general education credits will apply to the Bachelor of Science degrees in a manner consistent with the treatment of native UW students and given junior status in the major.

**CONDITIONS OF TRANSFER:**

**Section I: Admissions and Matriculation**

CC students maintaining continuous enrollment under this agreement will be afforded the same treatment and protection as native UW Zoology, College of Arts and Sciences students enrolled under a specific catalog.

Criteria for acceptance into College of Arts and Sciences will be consistent with the criteria outlined in the institutional articulation agreement between CC and UW.

CC, upon request of students, will provide verification of completed courses to UW through its Office of Registration and Records.

Transfer students from CC will have access to financial aid, scholarships, and student services on the same basis as native students.

UW will apply the same academic progress and graduation standards to CC transfer students as those applicable to native UW students.

**Section II: Program Plan**

While a course-by-course equivalence was used in the development of this plan, this agreement presumes that the general education core requirements at CC meet general education requirements at UW. Students falling under this program articulation agreement will be responsible for successfully completing the additional prescribed requirements. *42h, of the minimum 120h required for a BS degree, MUST be at the upper division level*

Table 1. Course-by-course transfer articulation (CC and UW)

General Education requirements at Casper and the University Studies Program at UW transfer as a block articulation between Casper College and UW.

CC Course			UW Equivalent Course		
Course	Course Title	Credits	Course	Course Title	Credits
BIOL 1010	General Biology (preferred)	4	LIFE 1010	General Biology	4
BIOL 1000	Introduction to Biology				
BIOL 2022	Animal Biology	4	LIFE 2022	Animal Biology	4
BIOL 2023	Biology of Plants and Fungi	4	LIFE 2023	Biology of Plants and Fungi	4
BIOL 2400	General Ecology*	3	ZOO 3400	General Ecology	3
BIOL 2410	Field Ecology*	2	ZOO 3410	Field Ecology	2
CHEM 1025	General Chemistry I AND	3	CHEM 1020	General Chemistry I	4
CHEM 1028	General Chemistry I Lab	1			
CHEM 1035	General Chemistry II AND	3	CHEM 1030	General Chemistry II	4
CHEM 1038	General Chemistry II Lab	1			
COSC 1200	Computer Information Systems	3	COSC 1200	Computer Information Systems	3
MATH 1400	Pre-Calculus Algebra	3	MATH 1400	College Algebra	3
MATH 1405	Pre-Calculus Trigonometry	3	MATH 1405	Trigonometry	3
MATH 2200	Calculus I	4	MATH 2200	Calculus I	4
MOLB 2210	General Microbiology	4	MOLB 2021	General Microbiology	4
PHYS 1100	General Physics I	4	PHYS 1100	General Physics I	4
PHYS 1120	General Physics II	4	PHYS 1120	General Physics II	4

\*Note that although these courses meet the ecology requirements, they are not counted towards the upper division requirement

## UNIVERSITY OF WYOMING COURSEWORK TO COMPLETE BS IN ZOOLOGY

### Courses required for ALL Zoology majors

Course	Course Title	Credits
CHEM XXXX	3 <sup>rd</sup> Chemistry course – not CHEM1000 (usually CHEM2300)	4
LIFE 3050	Genetics	4
LIFE 3400	General Ecology	3
LIFE 3500	Evolutionary Biology	4
ZOO 4100	Communication in Biological Sciences	3
	ASD and ASG courses (College of Arts and Sciences requirement)	6

### Students must select 1 course from the following list:

*Courses not taken here may be added to the electives list below*

Course	Course Title	Credits
ZOO 4330	Ichthyology	3
ZOO 4350	Ornithology	3
ZOO 4370	Mammalogy	3
ZOO 4380	Herpetology	3
ZOO 4540	Invertebrate Zoology	4

### Elective Courses needed for major in Zoology (minimum of 18h required)

Course	Course Title	Credits
ZOO 3010	Vertebrate Anatomy, Embryology & Histology	4
ZOO 3115	Human Systems Physiology	4
ZOO 3600	Animal Behavior	3
ZOO 4190	Comparative Environmental Physiology	4
ZOO 4280	Introduction to Neuroscience	3
ZOO 4300	Wildlife Ecology & Management	5
ZOO 4310	Fisheries Management	3
ZOO 4340	Developmental Biology & Embryology	4
ZOO 4415	Behavioral Ecology	3
ZOO 4420	Conservation Biology	3
ZOO 4430	Limnology Lab (must be taken with ZOO 4440 Limnology)	2
ZOO 4440	Limnology	3
ZOO 4735	Advanced Topics in Physiology	2+
ENTO 4678	Aquatic Entomology	3
ENTO 4682	Insect Anatomy & Physiology	5
ENTO 4684	Classification of Insects	4
MOLB 3000	Introduction to Molecular Biology	3
ANSC 4120	Principles of Mammal Reproduction	3
ANSC 3100	Principles of Animal Nutrition	3
PATB 4310	Introduction to Veterinary Parasitology	3
PATB 4360	Medical Entomology & Parasitology	3
PATB 4710	Medical Virology	3
A&S 4900	Advanced Topics in (e.g. Darwin and the Galapagos)	1+

*Several of the courses listed above have prerequisites.*

# AS Biology and BS Zoology

## Casper College

### FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	1010	General Biology <sup>2</sup> (preferred) <i>OR</i>	4	BIOL	2022	Animal Biology <sup>2</sup>	4
	1000	Introduction to Biology <sup>2</sup>		CHEM	1035	General Chemistry II	3
CHEM	1025	General Chemistry	3	CHEM	1038	General Chemistry II Lab	1
CHEM	1028	General Chemistry Lab	1	MATH	1405	Pre-Calculus Trigonometry <sup>2</sup>	3
MATH	1400	Pre-Calculus Algebra <sup>2</sup>	3	ENGL	1020	English II	3
ENGL	1010	English I	3			Biological Sciences Elective	3
PEAC		Physical Education	1				
<b>TOTAL</b>			<b><u>15</u></b>	<b>TOT</b>			<b><u>17</u></b>



### SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	2023	Plant/Fungal Biology	4	MOLB	2210	General Microbiology	4
PHYS	1110	General Physics I	4	PHYS	1120	General Physics II	4
POLS	1000	Constitutions	3			Human Behavior <sup>1</sup>	3
		Cultural Environment <sup>1</sup>	3			Biological Sciences Elective	3
		Biological Sciences Elective	3				
<b>TOTAL</b>			<b><u>17</u></b>	<b>TOTAL</b>			<b><u>14</u></b>
<b>Total Degree Hours</b>							<b><u>63</u></b>

**Transfer Recommendations and Notes:**

- Students are **strongly** encouraged to take *Human Behavior/Cultural Environment* Electives that correspond to the College of Arts & Sciences *Diversity (D)* and *Global Studies (G)* electives or else they will have to take D & Gs at UW. A list of D & G courses that transfer is available here ([https://wyossb.uwyo.edu/bnrprod/bwckytfc.p\\_display\\_transfer\\_catalog](https://wyossb.uwyo.edu/bnrprod/bwckytfc.p_display_transfer_catalog)). Courses that are either U3D or U3G meet the ASD and ASG, respectively. One suggested course is ANTH1200 Intro to Cultural Anthropology, which meets the ASG requirement
- A minimum grade of C is required for BIOL1000/1010, BIOL2022, MATH1400, MATH1405.

# AS Biology and BS Zoology

**University of Wyoming**

## JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
MATH	2200	Calculus I <sup>3</sup>	4	STAT	2050	Fundamentals in Statistics	4
LIFE	3050	Genetics <sup>3</sup>	4			Upper Division Zoology Elective <sup>2</sup>	3
ZOO		Required Zoo Elective <sup>2,4</sup>	3			Upper Division Zoology Elective <sup>2</sup>	3
CHEM	2300	Intro to Organic Chemistry <i>OR</i>	4			Upper Division Elective <sup>2</sup>	3
	2320	Organic Chemistry I	4			ASD or ASG (A&S Core) <sup>1</sup>	3
<b>TOTAL</b>			<b><u>15</u></b>	<b>TOTAL</b>			<b><u>16</u></b>



## SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
LIFE	3500	Evolutionary Biology <sup>2</sup>	4	ZOO	4100	Communication in Biological Sciences <sup>5</sup>	3
		Upper Division Zoology Elective <sup>2</sup>	3			Upper Division Zoology Elective <sup>2</sup>	3
		Upper Division Zoology Elective <sup>2</sup>	3			Upper Division Zoology Elective <sup>2</sup>	3
		ASD or ASG (A&S Core) <sup>1</sup>	3			Upper Division Elective <sup>2</sup>	4
<b>TOTAL</b>			<b><u>13</u></b>	<b>TOTAL</b>			<b><u>13</u></b>
						<b>Total Degree Hours</b>	<b><u>120</u></b>
						<b>Upper Division Hours</b>	<b><u>43</u></b>

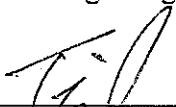
**Transfer Recommendations and Notes:**

1. Time has been allocated for the ASD & ASGs
2. A minimum of 30h must be at C or better for these courses.
3. A C is required
4. REQUIRED ELECTIVE COURSE. Students must select a course from the following list: ZOO 4330 Ichthyology (3); ZOO 4350 Ornithology (3); ZOO 4370 Mammalogy (3); ZOO 4380 Herpetology (3); ZOO 4540 Invertebrate Zoology (4)

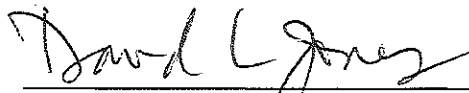
This agreement is made and entered into in the academic year 2015-2016 and remains in force unless a new articulation agreement is signed by all parties. The agreement is subject to annual review to assure currency with the respective degree requirements, and may be amended at any time via written request by either CC or UW. Should either party desire to discontinue this agreement, advance notification of one year will be required.

**SIGNATURES:**


Casper College and University of Wyoming hereby enter into this program articulation agreement leading from the Associate of Science degree with articulated coursework in Bachelor of Science in Zoology by the affixing of signatures of the academic officers of both institutions.

  
\_\_\_\_\_  
Dr. Tim Wright  
Vice President for Academic Affairs  
Casper College

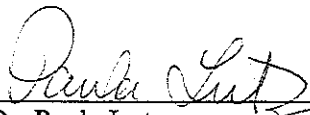
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Dr. David Jones  
Vice President for Academic Affairs  
University of Wyoming

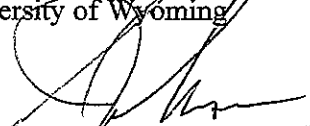
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Dr. Grant Wilson  
Dean of School of Math and Sciences  
Casper College

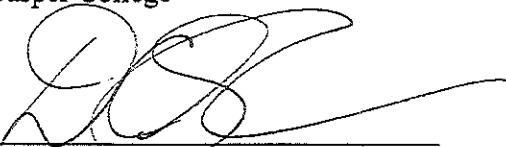
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\_\_\_\_\_  
Dr. Paula Lutz  
Dean, College of Arts & Sciences  
University of Wyoming

6/29/15  
Date

  
\_\_\_\_\_  
Dr. Scott Johnson  
Head, Biology Department  
Casper College

7-8-15  
Date

  
\_\_\_\_\_  
Dr. Donal Skimmer  
Head, Department of Zoology and Physiology  
University of Wyoming

6/17/2015  
Date