

**ARTICULATION AGREEMENT FOR
AS BIOLOGY AND BS PHYSIOLOGY
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 Physiology** 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 Physiology, 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
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

UNIVERSITY OF WYOMING COURSEWORK TO COMPLETE BS IN PHYSIOLOGY

Courses needed for ALL Physiology majors

Course	Course Title	Credits
CHEM 2420	Organic Chemistry I (this is the usual 3 rd Chemistry course)	4
CHEM XXXX	4th Chemistry course	4
LIFE 3050	Genetics	4
ZOO 3115	Human Systems Physiology	4
ZOO 4125	Integrative Physiology	4
ZOO 4100	Communication in Biology	3
	ASD and ASG courses (College of Arts and Sciences requirement)	6

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

Course	Course Title	Credits
ZOO 3010	Vertebrate Anatomy, Embryology & Histology	4
ZOO 3600	Principles of Animal Behavior	3
ZOO 4110	HIV/AIDS: The Disease and the Dilemma	3
ZOO 4190	Comparative Environmental Physiology	4
ZOO 4280	Introduction to Neuroscience	3
ZOO 4340	Developmental Biology & Embryology	4
ZOO 4670	Cell Physiology	4
ZOO 4735	Advanced Topics in Physiology	2+
NEUR 5100	Structure & Function of the Nervous System	4
NEUR 5685	Neurophysiology	3
NEUR 5887	Molecular Neuropharmacology	3
LIFE 3600	Cell Biology	4
KIN 3021	Physiology of Exercise (<i>Needs KIN2040/41 Human Anatomy as a prerequisite</i>)	3
KIN 3038	Exercise Psychology (will need permission of instructor)	3
KIN 3042	Biomechanics of Human Movement	3
KIN 4042	Applied Biomechanics (prereq KIN 3042)	3
MOLB 3000	Introduction to Molecular Biology	3
MOLB 3610	Principles of Biochemistry	4
MOLB 4100	Clinical Biochemistry	3
MOLB 4400	Immunology	4
PSYC 4080	Physiological Psychology	4
PHCY 4450	Pathophysiology	4
ANSC 4120	Principles of Mammal Reproduction	3
SOC 3550	Medical Sociology	3
ANTH 4210	Human Osteology	3
ANTH 4230	Forensic Anthropology	3
PATB 4130	Mammalian Pathobiology	3
PATB 4140	Principles of Toxicology	3
PATB 4710	Medical Virology	3
CHEM 3550	Physical Chemistry for the Life Sciences	3

Several of the courses listed above have prerequisites. For 5000-level courses permission of the instructor is required

AS Biology and BS Physiology

Casper College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	1010	General Biology ²	4	BIOL	2022	Animal Biology ²	4
CHEM	1025	General Chemistry	3	CHEM	1035	General Chemistry II	3
CHEM	1028	General Chemistry Lab	1	CHEM	1038	General Chemistry II Lab	1
MATH	1400	Pre-Calculus Algebra ²	4	MATH	1405	Trigonometry ²	3
ENGL	1010	English I	3	ENGL	1020	English II	3
PEAC		Physical Education	1			Biological Sciences Elective	3
TOTAL			<u>16</u>				TOT <u>17</u>



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 ¹	3
		Cultural Environment ¹	3			Biological Sciences Elective	3
		Biological Sciences Elective	3				
TOTAL			<u>17</u>				TOTAL <u>14</u>

Total Degree Hours **64**

Transfer Recommendations and Notes:

1. 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://wyosssb.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

2. A minimum grade of C is required for BIOL1010, BIOL2022, MATH1400, MATH1405.

AS Biology and BS Physiology

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
MATH	2200	Calculus I ³	4	STAT	2050	Fundamentals in Statistics	4
LIFE	3050	Genetics ³	4			4 th Chemistry Course ²	4
ZOO	3115	Human Systems Physiology ⁵	4			Upper Division Physiology Elective ²	3
CHEM	2420	Organic Chemistry I	4			Upper Division Physiology Elective ²	3
TOTAL			<u>16</u>	TOTAL			<u>14</u>



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
ZOO	4125	Integrative Physiology ²	4	ZOO	4100	Communication in Biological Sciences ⁵	3
		Upper Division Physiology Elective ²	3			Upper Division Physiology Elective ²	3
		Upper Division Physiology Elective ²	3			Upper Division Physiology Elective ²	3
		Upper Division Elective ⁴	3			Upper Division Elective ⁴	2
		ASD or ASG (A&S Core) ¹	3			ASD or ASG (A&S Core) ¹	3
TOTAL			<u>16</u>	TOTAL			<u>14</u>

Total Degree Hours 124
Upper Division Hours 42

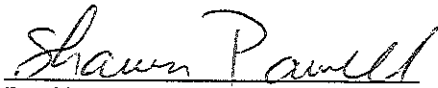
Transfer Recommendations and Notes:

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. These Upper Division electives do not need to be in the major. May be Internship- or Research-related
5. **Physiology Electives (18h):** ZOO 3010 Vertebrate Anatomy, Embryology & Histology (4), ZOO 3021 Physiology of Exercise (3), ZOO 3600 Principles of Animal Behavior (3), ZOO 4110 HIV/AIDS (3), ZOO 4190 Comparative Environmental Physiology (4), ZOO 4280 Introduction to Neuroscience (3), ZOO 4340 Developmental Biology & Embryology (4), ZOO 4670 Cell Physiology (4), ZOO 4735 Advanced Topics in Physiology (2+), NEUR 5100 Structure & Function of the Nervous System (4), NEUR 5685 Neurophysiology (3), NEUR 5887 Molecular Neuropharmacology (3), LIFE 3600 Cell Biology (4), MOLB 3000 Introduction to Molecular Biology (3) MOLB 3610 Principles of Biochemistry (4), MOLB 4100 Clinical Biochemistry (3), MOLB 4400 Immunology (4), PSYC 4080 Physiological Psychology (4), PHCY 4450 Pathophysiology (4), ANSC 4120 Principles of Mammal Reproduction (3), SOC 3550 Medical Sociology (3), ANTH 4210 Human Osteology (3), ANTH 4230 Forensic Anthropology (3), PATB 4130 Mammalian Pathobiology (3), PATB 4140 Principles of Toxicology (3), PATB 4710 Medical Virology (3)

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.

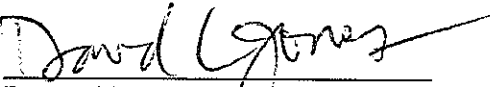
SIGNATURES:

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 Physiology by the affixing of signatures of the academic officers of both institutions.



Dr. Shawn Powell
Interim Vice President for Academic Affairs
Casper College

09/04/15
Date



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

9/1/15
Date



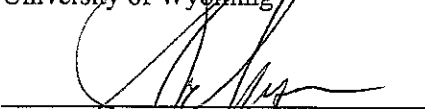
Dr. Grant Wilson
Dean of School of Math and Sciences
Casper College

9/2/15
Date



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

8/26/15
Date



Dr. Scott Johnson
Head, Biology Department
Casper College

9-3-15
Date



Dr. Donal Skinner
Head, Department of Zoology and Physiology
University of Wyoming

8/25/2015
Date