



**GENERAL ACADEMIC PROGRAM ARTICULATION AGREEMENT
BETWEEN
ASHLAND UNIVERSITY AND NORTH CENTRAL STATE COLLEGE**

It is agreed that Ashland University and North Central State College desire to continue a strong academic articulation agreement to enhance the transfer opportunities for students from North Central State College to Ashland University for the completion of a Bachelor's Degree. Moreover, it is agreed that a general academic program articulation agreement is to be followed by the development of specific program advising sheets as appropriate.

Effective Fall 2019 through Fall 2022

**PROVISIONS OF THE GENERAL ACADEMIC
PROGRAM ARTICULATION AGREEMENT:**

1. A student, who completes an Associate Degree at North Central State College with a minimum of a 2.25/4.0 GPA, will be accepted at Ashland University with junior status, provided he/she has successfully completed a minimum of sixty (60) semester hours (90 – quarter hours) of coursework.
2. Only earned credits are transferable and recorded on an Ashland University transcript. Letter grades and cumulative grade point average do not transfer.
3. North Central State College degree holders may transfer unlimited hours to Ashland University, however, students must meet the following residency requirements:
 - A. At least 30-semester hours of credit must be completed through Ashland University.
 - B. The last 12 semester hours of credit must be completed through Ashland University.
 - C. At least one-half of the student's major requirements must be completed through Ashland University.
4. Admission to Ashland University with junior standing will, in many related programs of study, mean the student will be able to complete his/her baccalaureate degree with

two years of full-time study. Some students may be able to graduate in less than two years if they are willing to continue their studies during Ashland University's summer terms. In certain disciplines, however, because of their sequential nature, careful prior planning of course work is necessary and more than two years at Ashland University may be needed to complete the Bachelor's Degree.

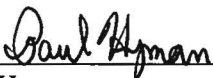
5. In general, remedial and/or developmental orientation courses are not generally transferable to Ashland University and do not meet graduation requirements. Usually, courses numbered 100 and above are transferable as either course-specific or general-elective credit. Technical courses, which do not match up with any Ashland University catalog course, will transfer as general-elective credit. In addition to the regular offerings of North Central State College, courses eligible for transfer include those offered through their off-campus location, and through their video-based program.
6. Students transferring to Ashland University must complete all of Ashland University's Institutional Baccalaureate Degree Requirements through transfer credit and Ashland University credit where applicable.
7. North Central State College degree holders with credits earned at one or more other institutions may transfer those credits to Ashland University subject to Ashland University's transfer policy.
8. A student who has earned credits at North Central State College but who has not earned a degree may also apply to Ashland University as a transfer student, subject to transfer regulations in effect at Ashland University. Generally, these requirements include proof of high school graduation (official High School transcripts or G.E.D.) and official college transcripts. Grades of C- or better are accepted with no earned degree.
9. Ashland University offers pre-transfer academic advising in order to ensure that the North Central State College student is able to transfer his/her credits in the best manner possible. This is unofficial; an official evaluation takes place upon enrollment at Ashland University.
10. Students wishing to transfer to Ashland University, with or without an Associate Degree from North Central State College, may be eligible for federal, state and institutional financial aid. Qualified students may be eligible to receive the Ashland University Transfer Scholarship with the appropriate grade point average and appropriate semester hours of credit. This will be based on all grades earned from all schools attended. The Transfer Scholarship is only available to full-time students attending classes on the main campus.
11. Students transferring with less than 30 semester hours of transferable credit will transfer as freshmen. Students transferring with 30-59 semester hours of transferable credit will transfer as sophomores. Students transferring with 60-89 semester hours of transferable credit will transfer as juniors. Students transferring with 90 semester hours or more of transferable credit will transfer as seniors.

12. North Central State College and Ashland University agree to participate in regular review of program requirements and appropriate advising procedures, and make adjustments or amendments as deemed appropriate to maintain the integrity of each institution as well as for the improvement of the transfer process. Such changes will not adversely affect students already enrolled and covered under the provisions of the existing agreement.

This articulation agreement will be effective immediately after the representatives of both institutions sign the agreement. It may be modified upon mutual agreement; it may be terminated by either institution upon written notice to the other.


In WITNESS WHEREOF, the parties involved in the Agreement place their signatures below.

Ashland University



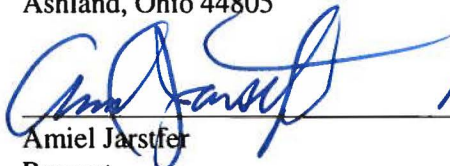
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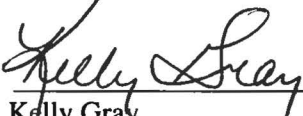
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**ASHLAND UNIVERSITY EQUIVALENCIES FOR
ASSOCIATE DEGREE PROGRAM AT NORTH CENTRAL STATE COLLEGE**

Associate of Applied Science in Bioscience toward a Bachelor of Science with a major in Biology

Equivalencies for Core Curriculum				
Ashland University		North Central State College		
<i>Institutional Core Requirements (45 hours)</i>				
<i>AU Core Courses</i>	<i>Cr Hrs</i>	<i>Equivalent NCSC Courses</i>	<i>Cr Hrs</i>	<i>Notes</i>
<u>Composition I</u> (3 hours required) ENG 101 English Composition I	3	ENGL 1010 English Composition I	3	
<u>Composition II</u> (3 hours required) ENG 102 English Composition II	3	ENGL 1030 English Composition II	3	
<u>Communication</u> (3 hours required) COM 101 Human Communication	3	COMM 1010 Speech	3	
<u>Math/Logic</u> (3 hours required) MATH 205 The Calculus I	5	MATH 1150 Calculus I	5	
MATH 208 Elementary Statistics	3	STAT 1010 Probability and Statistics	3	
MATH 223 Discrete Mathematics I	3	MATH 2000 Discrete Mathematics	3	
<u>Religion</u> (3 hours required)	3		0	
<u>Historical Reasoning</u> (3 hours required) HIST 212 American History through Civil War	3	HIST 1010 American History I	3	
HIST 213 American History after Civil War	3	HIST 1030 American History II	3	
HIST 112 Western Civilization	3	HIST 1050 Western Civilization	3	
HIST 113 Western Civilization II	3	HIST 1070 Western Civilization II	3	
<u>Critical Cultural Inquiry (CCI)</u> (3 hrs required) CCI Elective Credit	3	CHIN 1011 Beginning Chinese I	3	
CCI Elective Credit	3	CHIN 1031 Beginning Chinese II	3	
SPAN 171/172 Elementary Spanish I/II	3	SPAN 1010 Beginning Spanish	3	
SPAN 271/272 Intermediate Spanish I/II	3	SPAN 1020 Intermediate Spanish	3	
<u>Natural Science</u> (6 hours required) BIO 100 Human Biology	4	BIOL 1710 Intro to Anatomy & Phys.	3	
BIO 201 Molecular & Cellular Basis of Life	4	BIOL 1230 Biology I w/ Lab	4	
BIO 202 Organisms, Adaptation, and Diversity	4	BIOL 1231 Biology II	4	
CHEM 103 General Chemistry	4	CHEM 1210 Chemistry I	5	
CHEM 104 General Chemistry	4	CHEM 1220 Chemistry II	5	
CHEM 251 Molecular Architecture	3	CHEM 1030 Chemistry	3	
<u>Aesthetics</u> (6 hours required) ART 204 Photography	3	ARTS 1070 Digital Photography	3	
MUSIC 250 Topics in Music Appreciation	3	MUSC 1010 Music Appreciation	3	
TH 203 Theatre Aesthetics	3	THEA 1010 Introduction to Theatre	3	

Equivalencies for Core Curriculum (con.)				
Ashland University		North Central State College		
<u>Humanities</u> (6 hours required)				
ENGL 304		ENGL 2090		
Short Story	3	Intro to Fiction	3	
ENGL 333		ENGL 2050		
American Studies – 19 th Century	3	American Literature I	3	
ENGL 334		ENGL 2070		
American Studies – 20 th Century	3	American Literature II	3	
PHIL 215		PHIL 1110		
Ethics	3	Ethics	3	
PHIL 280		PHIL 1130		
Applied Ethics	3	Philosophy and Science	3	
<u>Social Sciences</u> (6 hours required)				
PSYC 101		PSYC 1010		
General Psychology I	3	Intro to Psychology	3	
SOC 111		SOCY 1010		
Principles of Sociology	3	Introduction to Sociology	3	
SOC 301		SOCY 2010		
Race, Ethnic, & Minority Issues	3	Cultural Diversity & Racism	3	
SOC 340		SOCY 2030		
Marriage and Family	3	Marriage and Family	3	
TOTAL	45 Hrs.		42-49 Hrs.	

Equivalencies for Bachelor of Science with a Comprehensive Major in Biology				
Ashland University		North Central State College		
<i>AU Major Courses</i>	<i>Cr Hrs</i>	<i>NCSC Courses</i>	<i>Cr Hrs</i>	<i>Notes</i>
BIO 201 Molecular & Cellular Basis of Life	4	BIOL 1230 Biology I	4	
BIO 202 Organisms, Adaptation & Diversity	4	BIOL 1231 Biology II	4	
BIO 301 Professional Preparation	1			
BIO 303 Genetics	4	BIOS 2530 Genetics	4	
BIO 495 Biology Senior Seminar	1			
CHEM 103 General Chemistry	4	CHEM 1210 Chemistry I	5	
CHEM 104 General Chemistry	4	CHEM 1220 Chemistry II	5	
CHEM 307 Organic Chemistry I (w/ lab)	4			
2 semesters of Mathematics (Calc and Stats)	(6-10)	MATH 1150	5	
		STAT 1010	3	
CHOOSE ONE COURSE FROM THREE OF THE FOLLOWING FOUR AREAS	(9-12)			
Cellular & Molecular courses:	(4)			
BIO 340 Microbiology	4			
BIO 424 Cell Biology	4			
BIO 429 Biochemistry	4			
Biodiversity courses:	(4)			
BIO 205 Zoology	4			
BIO 207 Botany	4			
BIO 219 Entomology	4			
BIO 328 Vertebrate Biology	4			
Physiology courses:	(4)			
BIO 325 Anatomy and Physiology I	4	BIOL 2751 Human Anatomy & Phys.	4	
BIO 327 Plant Physiology	4			
BIO 330 Principles of Toxicology	3			
BIO 425 Advanced Human Physiology	4			
Ecology courses:	(4)			
BIO 310 Ecology	4			
BIO 411 Limnology	4			
BIO 412 Marine Biology	4			
CHOOSE AT LEAST ONE FROM THE FOLLOWING SEMINAR COURSES:	(1)			
BIO 276 Environmental Science Seminar	1			
BIO 304 Journal Club	1			
BIOLOGY ELECTIVES TO REACH 60 HOURS+*	(11-16)			
BIO 224 Introduction to Biotechnology	3	BIOS 2550 Pharmaceutical/Toxicology Biosci.	4	
BIO 326 Anatomy and Physiology II	4	BIOL 2752 Anatomy and Physiology II	4	
BIO 297 Intro to Lab/Field Research	1	BIOS 2410 Advanced Bioscience Tech.	4	
BIO 234 Forensic Science	3	BIOS 2510 Forensic Bioscience	4	
BIO 497 Directed Lab/Field Research	3	BIOS 2590 Biosci. Internship/Seminar	2	

* At least 12 hours altogether of area electives, seminar requirement and general biology electives should be at the 300 or 400 level. Elective hours may include up to 3 hours of 493 (internships), and no more than 6 hours of Bio 493, 497, or 498 combined. **Note:** Students obtaining a double major in biology and chemistry may count Bio/Chem 429 Biochemistry toward both majors. Students planning to attend a graduate or professional school should take a full year of physics and organic chemistry, although not required for all of the tracks in biology.

ANTICIPATED—Two-Year Guide at North Central State College
Associate of Applied Science in Bioscience

Key:
Bold courses = count toward AU Core or major requirements

1st Year			Fall Semester			Spring Semester		
BIOL 1230	Biology I	4				BIOS 1210	Histology	4
BIOS 1010	Intro Bioscience Lab Techniques	4				BIOS 1231	Biology II	4
BIOS 1030	Environmental Science	4				BIOS 2440	Intro to Agriculture Science	4
MATH 1110*	College Algebra	4				ENGL 1010	English Composition I	3
		16						15

2nd Year			Fall Semester			Spring Semester		
ENGL 1030	English Composition II	3				SS ELECT**	Social Science Elective	3
BIOL 1550	Microbiology for Health Professionals	3				BIOS 2550	Pharmaceutical/ Toxicology Bioscience	4
BIOS 2410	Advanced Bioscience Lab Techniques	4				BIOS 2530	Genetics	4
CHEM 1210	Chemistry I	5				BIOS 2590	Bioscience Practicum/Seminar	2
HLST 1010	CPR/First Aid	1						
		16						13
							TOTAL	60 hrs.

*NCSC may consider a calculus course for credit toward the Associate's degree in place of MATH 1110 if a student expresses early interest in transfer.

Social Science electives include COMM 2010, COMM 2030, COMM 2250, POLT 1010, **PSYC 1010, PSYC 1070, PSYC 1090, PSYC 2050, PSYC 2070, **SOCY 1010**, **SOCY 2010**, and **SOCY 2030**.

Additional courses suggested:

BIOL 2751	Human Anatomy & Physiology	4
STAT 1010	Probability and Statistics	3
	TOTAL	67 hrs.

Students must complete a minimum of 60 credit hours at NCSC to earn the Associate of Applied Science in Bioscience. This agreement anticipates that students will transfer to AU having completed 67 credit hours. In order to fulfill the required 30 hours in the Biology major at AU, students should plan to take BIOL 2751 Human Anatomy & Physiology – 4 credits and a transferrable math requirement (STAT 1010 Probability and Statistics – 3 credits) at NCSC.

SUGGESTED—Two-Year Guide at Ashland University

Bachelor of Science with a Comprehensive Major in Biology

1 st Year	Fall Semester			Spring Semester		
BIO 301	Professional Prep	1	RELIGION	Institutional Requirement	3	
HISTORICAL REASONING	Institutional Requirement	3	COMMUNICATION	Institutional Requirement	3	
CCI	Institutional Requirement	3	MATH 201	Math Requirement (calc) <i>Institutional/major requirement</i>	5	
CHEM 104	General Chemistry	4	HUMANITIES	Institutional Requirement	3	
BIO AREA REQUIREMENT	Cell, Biodiversity, or Ecology course	4				
		15				14

2 nd Year	Fall Semester			Spring Semester		
CHEM 307	Organic Chemistry I-Lab	4	HUMANITIES	Institutional Requirement	3	
BIO ELECT	Any 300-400 BIO elective	4	AESTHETICS	Institutional Requirement	3	
SOCIAL SCIENCE	Institutional Requirement	3	BIO 495	Biology Senior Seminar (SP only)	1	
BIO 304	Journal Club (or BIO 276 in SP)	1	AESTHETICS	Institutional Requirement	3	
BIO AREA REQUIREMENT	Cell, Biodiversity, or Ecology course	4	BIO ELECT	Any 300-400 BIO elective	4	
		16				14
				TOTAL		59 hrs.

This rotation presumes that some, but not all, of the courses listed with equivalencies have been taken at NCSC. It presumes that AU's Core composition, math, and natural science requirements have been met, and that half of the social sciences requirements have been met. It assumes that students have taken BIOL 2751 Human Anatomy & Physiology at NCSC (meets BIO Physiology Area requirement) and thus would need to take only two of four BIO area requirements at AU. It also assumes that students have taken STAT 1010 Probability and Statistics, which fulfills the Core math requirement and one of two math requirements in the Biology major.