



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

Effective Fall 2019 through Fall 2022

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.

**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.

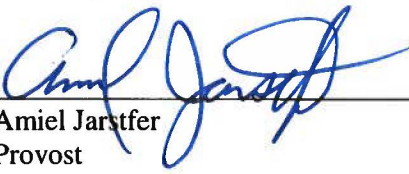
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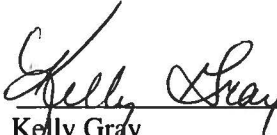
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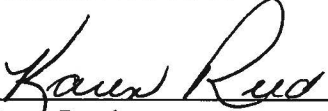
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**ASHLAND UNIVERSITY EQUIVALENCIES FOR
ASSOCIATE DEGREE PROGRAM AT NORTH CENTRAL STATE COLLEGE**

Associate of Science with a Pre-Health Focus toward a Bachelor of Science in Biology

Equivalencies for Core Curriculum				
Ashland University		North Central State College		
Institutional Core Requirements (45 hours)				
AU Core Courses	Cr Hrs	Equivalent NCSC Courses	Cr Hrs	Notes
Composition I (3 hours required) ENG 101 English Composition I	3	ENGL 1010 English Composition I	3	
Composition II (3 hours required) ENG 102 English Composition II	3	ENGL 1030 English Composition II	3	
Communication (3 hours required) COM 101 Human Communication	3	COMM 1010 Speech	3	
Math/Logic (3 hours required) MATH 205 The Calculus I MATH 208 Elementary Statistics MATH 223 Discrete Mathematics I	5 3 3	MATH 1150 Calculus I STAT 1010 Probability and Statistics MATH 2000 Discrete Mathematics	5 3 3	
Religion (3 hours required) Core Religion Requirement Elective	3		0	
Historical Reasoning (3 hours required) HIST 212 American History through Civil War HIST 213 American History after Civil War HIST 112 Western Civilization HIST 113 Western Civilization II	3 3 3 3	HIST 1010 American History I HIST 1030 American History II HIST 1050 Western Civilization HIST 1070 Western Civilization II	3 3 3 3	
Critical Cultural Inquiry (CCI) (3 hrs required) CCI Elective Credit CCI Elective Credit SPAN 171/172 Elementary Spanish I/II SPAN 271/272 Intermediate Spanish I/II	3 3 3 3	CHIN 1011 Beginning Chinese I CHIN 1031 Beginning Chinese II SPAN 1010 Beginning Spanish SPAN 1020 Intermediate Spanish	4 4 3 3	
Natural Science (6 hours required) BIO 100 Human Biology BIO 201 Molecular & Cellular Basis of Life BIO 202 Organisms, Adaptation, and Diversity Core Nat. Science Requirement Elective CHEM 103 General Chemistry CHEM 104 General Chemistry CHEM 251 Molecular Architecture Core Nat. Science Requirement Elective NSC elective credit	4 4 4 3 4 4 4 3 4 4 3 3 3	BIOL 1710 Intro to Anatomy & Phys. OR BIOL 1730 Basic Anatomy & Physiology BIOL 1230 Biology I w/ Lab BIOL 1231 Biology II BIOL 1050 Principles of Biology CHEM 1210 Chemistry I CHEM 1220 Chemistry II CHEM 1030 Chemistry PHYS 1010 Introductory Physics GEOL 1010 Physical Geology	3 4 4 4 3 5 5 3 3 4	

Equivalencies for Core Curriculum (con.)				
<u>Aesthetics</u> (6 hours required)				
ART 204 Photography	3	ARTS 1070 Digital Photography	3	
Core Aesthetics Requirement Elective	3	HUMA 1010 Intro to Humanities	3	
MUSIC 250 Topics in Music Appreciation	3	MUSC 1010 Music Appreciation	3	
TH 203 Theatre Aesthetics	3	THEA 1010 Introduction to Theatre	3	
<u>Humanities</u> (6 hours required)				
ENGL 304 Short Story	3	ENGL 2090 Intro to Fiction	3	
ENGL 333 American Studies – 19 th Century	3	ENGL 2050 American Literature I	3	
ENGL 334 American Studies – 20 th Century	3	ENGL 2070 American Literature II	3	
Core Humanities Requirement Elective	3	PHIL 1010 Western Philosophy	3	
Core Humanities Requirement Elective	3	PHIL 1030 Philosophy of Religion	3	
PHIL 215 Ethics	3	PHIL 1110 Ethics	3	
PHIL 280 Applied Ethics	3	PHIL 1130 Philosophy and Science	3	
<u>Social Sciences</u> (6 hours required)				
PSYC 101 General Psychology I	3	PSYC 1010 Intro to Psychology	3	
SOC 111 Principles of Sociology	3	SOCY 1010 Introduction to Sociology	3	
SOC 301 Race, Ethnic, & Minority Issues	3	SOCY 2010 Cultural Diversity & Racism	3	
SOC 340 Marriage and Family	3	SOCY 2030 Marriage and Family	3	
TOTAL	45 Hrs.		42-48 Hrs.	

Students may most efficiently complete their programs by choosing courses at NCSC that “double dip,” fulfilling both AU core requirements as well as the requirements of the NCSC degree.

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 STAT 1010	5 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 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, 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 Science: Pre-Health Focus

Key:

Bold courses = count toward AU Core or major requirements (recommended)

Underlined courses = could count toward minor

A.S. Pre-Health Focus		
HLTH 1150	Medical Terminology	2
STAT 1010	Probability & Statistics	3
ENGL 1010	English Composition I	3
BIOL 2751 <i>would count as BIO Physiology Area</i>	Human Anatomy & Physiology I	4
BIOL 1550 <i>BIO elective credit</i>	Microbiology	3
<i>CISS 1020</i>	Introduction to Computers	3
<i>HLTH 1010</i>	Legal Aspects of Healthcare	2
ENGL 1030	English Composition II	3
CHEM 1030	Chemistry	3
BIOL 2752 <i>BIO elective credit</i>	Human Anatomy & Physiology II	4
MATH 1110*	College Algebra	4
COMM 1010	Speech	3
PSYC 1010	Introduction to Psychology	3
Choose 1 of 2	CHEM 1210 PHYS 1010	3-5
Choose 1 of 2	BIOL 1230 BIOL 1730	4
HUM ELECT**	Humanities Elective (see below)	3
Choose 1 of 2	SOCY 2010 <i>PSYC 2050</i>	3
PSYC 2010	Human Growth & Development	3
BIOL 1231	Biology II	4
BIOL 1101	Nutrition	2
HLTH 2900	Natural Science Capstone	1
TOTAL		63-65

*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.

The A.S. Pre-Health Focus requires students to complete 63-65 credit hours. This agreement assumes that students have taken 65 credit hours and will take a minimum of 30 credit hours in the biology major at Ashland University.

**Humanities electives for the Pre-Health Pathway:

- **HIST 1010** American History I
- **HIST 1030** American History II
- **HUMA 1010** Intro to the Humanities
- **MUSC 1010** Music Appreciation
- **PHIL 1010** Western Philosophy
- **PHIL 1110** Ethics
- **THEA 1010** Intro to Theatre

SUGGESTED—Two-Year Guide at Ashland University
Associate of Science: Pre-Health Focus toward a

Bachelor of Science with a Comprehensive Major in Biology

1st Year	Fall Semester			Spring Semester		
BIO 301	Professional Prep	1	BIO AREA REQ.	Cellular, Biodiversity, or Ecology course	4	
AESTHETICS	Institutional Requirement	3	CHEM 104	General Chemistry	4	
CCI	Institutional Requirement	3	MATH 206	Calculus II	5	
MATH 205	Calculus I	5	HISTORICAL REASONING or AESTHETICS or HUMANITIES	Institutional Requirement	3	
RELIGION	Institutional Requirement	3				
		15			16	

2nd Year	Fall Semester			Spring Semester		
CHEM 307	Organic Chem I w/ Lab	4	BIO AREA REQ.	Cellular, Biodiversity, or Ecology course	4	
BIO 304	Journal Club (or BIO 276 in spring)	1	BIO 495	Biology Senior Seminar	1	
BIO 303	Genetics	3	HISTORICAL REASONING or AESTHETICS or HUMANITIES	Institutional Requirement	3	
HUMANITIES	Institutional Requirement	3	BIO ELECT	Any 300-/400-level Biology elective	4	
BIO ELECT	Any 300-/400-level Biology elective	4	BIO ELECT	Any BIO ELECT	3	
MATH 208	Statistics	3				
		18			15	
				TOTAL	64 hrs.	

This rotation presumes that some, but not all, of the courses listed with equivalencies have been taken at NCSC. For the Pre-Health Focus, it presumes that AU's composition, communication, natural sciences, and social sciences requirements have been met.