



# Bachelor of Science Degree

# Associate to Bachelor's (A→B) Articulation Agreement

## Pre-Agricultural Sciences (LAGAS) Associate in Science

General Education Requirements ..... 27

Communications				Mathematics			
ENGL	1010	English Composition I (ACE 1)	4.5	MATH	1310	Intermediate Algebra	4.5
ENGL	1020	English Composition II (ACE 1)	4.5	<b>Other</b>			
SPCH	1110	Public Speaking (ACE 2)	4.5	HMRL	1010	Human Relations Skills (ACE 2)	4.5
				INFO	1001	Microcomputer Fundamentals	4.5

Major Requirements for Pre-Agricultural Sciences ..... 71+

Mathematics				Social Sciences (ACE 6)			
MATH	1410	Statistics (ACE 3)	4.5	<i>Select 1 course</i> (4.5)			
MATH	1420	College Algebra	5	ECON	1000	ECON	1100
MATH	1430	Trigonometry	4.5	<i>Select 1 course (ACE 8)</i> (4.5)			
CASNR requires 5 semester credit hours beyond College Algebra.				ECON	1000	ECON	1100
				PHIL	1030	POLS	2050
<b>Arts (select 1 course) (ACE 7)</b> (4.5)				<b>Natural Sciences (ACE 4)</b>			
ARTS	1110	ARTS	1120	MUSC	1010	BIOS	1010
MUSC	1050	THEA	1000	Introduction to Biology <b>OR</b> 6			
<b>Humanities (select 1 course) (ACE 5)</b> (4.5)				BIOS	1111	Biology I* 5	
ENGL	2450	ENGL	2530	HIST	1020	Biology II* 5	
ENGL	2470	HIST	1010	PHIL	1010	Biology III* See note below 5	
<b>Cultural Studies (ACE 9) (select 1 course)</b> (4.5)				PHYS	110A	Principles of Physics 1A 2.5	
ECON	2720	ENGL	2470	ENGL	2530	110B	Principles of Physics 1B 2.5
GEOG	1050	GEOG	2150	HIST	1110	110C	Principles of Physics 1C 2.5
HIST	1120	PHIL	1030	PHIL	2200	CHEM	1210&1211
SOCI	2050	SOCI	2160	General Chemistry: Parts I & II <b>OR</b> 6			
				CHEM	1212	General Chemistry I: Accelerated 6	
				CHEM	1220	General Chemistry II 6	
<b>Major Related Electives</b> <i>Select an additional 4.5 to 10.5 credit hours from the courses listed below</i>							
BIOS	2050	Genetics [BIOS 206]		4.5	GEOG	1150	Intro. to Physical Geography – Weather & Climate [GEOG 155] 6
BIOS	2150	Microbiology [BIOS 111]		6			
BIOS	2410	Plant Pathology [General Credit]		4.5	HORT	1100	Intro. to Horticulture [General Credit] 6
BIOS	2510	Applied Entomology [ENTO 303]		4.5			

Total Required Quarter Hours ..... (98 quarter hours are degree applicable to CASNR) ...98+

### NOTES

- Students must have a minimum cumulative GPA of 2.0 and a C average or higher in the last quarter of college enrollment for admission. (Grades below C can only be applied to free electives and no more than 10 credit hours of grades below C will be transferable.)
- Students pursuing the associate to bachelor agreement should work closely with MCC and UNL advisors to ensure a “seamless” transition. Contact a UNL advisor one full academic year before transferring.
- (ACE #) Course meets UNL Achievement-Centered Education (ACE) program outcome. Each course can fulfill only one ACE requirement as listed.

### Agricultural Sciences and Natural Resources Degree Programs include:

Agribusiness	Agricultural Economics	Agricultural Education
Agricultural and Environmental Sciences Communication	Agronomy	Animal Science * (Biology or Veterinary Science options)
Applied Climate Science	Applied Science	Biochemistry *
Environmental Restoration Science	Environmental Studies	Fisheries and Wildlife *
Food Science and Technology *	Food Tech. for Companion Animals *	Forensic Science *
Grassland Ecology and Management	Grazing Livestock Systems	Horticulture
Hospitality, Restaurant and Tourism Management	Insect Science * (Science Option)	Mechanized Systems Management
Microbiology *	Natural Resource and Environmental Economics	Plant Biology *
PGA Golf Management	Turfgrass and Landscape Management	Veterinary Science *
Veterinary Technology * (Veterinary Science option)	Water Science	

\*Three course Biology sequence required for programs marked.

For more information contact:

Office of Student Services  
Metropolitan Community College  
Elkhorn Valley Campus  
(402) 289-1205  
Fort Omaha Campus  
(402) 457-2705  
South Omaha Campus  
(402) 738-4505  
Sarpy Center  
(402) 537-3800  
Fremont Area Center  
(402) 721-2507  
Applied Technology Center  
(402) 763-5800  
Washington County  
Technology Center  
402-533-8400  
[www.mccneb.edu](http://www.mccneb.edu)

University of Nebraska at Lincoln  
College of Agricultural Sciences  
and Natural Resources  
(CASNR)  
(402) 472-2201  
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ACE Student Learning Outcomes Course Equivalencies									
Metropolitan Community College					Qtr. Hrs.	UNL			Sem. Hrs.
<b>ACE Outcome 1</b>									
ENGL	1010	English Composition I	4.5	ENGL	150	Writing: Rhetoric			3
ENGL	1020	English Composition II	4.5	ENGL	101	Writing: Rhetoric and Reading			3
<b>ACE Outcome 2</b>									
SPCH	1110	Public Speaking	4.5	COMM	209	Public Speaking			3
<b>ACE Outcome 3</b>									
MATH	1430	Trigonometry	4.5	MATH	102	Trigonometry			2
MATH	1410	Statistics	4.5	STAT	218	Introduction to Statistics			3
<b>ACE Outcome 4</b>									
BIOS	1010	Introduction to Biology	6	BIOS	101/101L	General Biology and Lab			4
BIOS	1111, 1121 & 1130	Biology I, II, & III	15						
PHYS	110ABC	Principles of Physics IA, IB, IC	7.5	PHYS	141	Elements of General Physics I			5
CHEM	1010	College Chemistry <b>OR</b>	6	CHEM	109	General Chemistry I			4
CHEM	1210&1211	General Chemistry I, parts 1 & 2 <b>OR</b>	6						
CHEM	1212	General Chemistry - Accelerated	6						
CHEM	1220	General Chemistry II	6	CHEM	110	General Chemistry II			4
<b>ACE Outcome 5</b>									
ENGL	2450	Introduction to Literature	4.5	ENGL	180	Introduction to Literature			3
ENGL	2470	Intro To Women's Literature	4.5	ENGL	215	Intro to Women's Literature			3
ENGL	2530	Ethnic Literature	4.5	ENGL	244	African American Literature			3
HIST	1010	United States History I	4.5	HIST	201	America to 1877			3
HIST	1020	United States History II	4.5	HIST	202	America after 1877			3
PHIL	1010	Introduction to Philosophy	4.5	PHIL	101	Introduction to Philosophy			3
<b>ACE Outcome 6</b>									
ECON	1000	Macroeconomics	4.5	ECON	211	Principles of Macroeconomics			3
ECON	1100	Microeconomics	4.5	ECON	212	Principles of Microeconomics			3
<b>ACE Outcome 7</b>									
ARTS	1110	Art History-Ancient/Gothic	4.5	AHIS	101	Introduction to Art History and Criticism I			3
ARTS	1120	Art History-Renaissance/Modern	4.5	AHIS	102	Introduction to Art History and Criticism II			3
MUSC	1010	Introduction to Music <b>OR</b>	4.5	MUNM	276G	The Music Experience			3
MUSC	1050	Music Appreciation	4.5						
THEA	1000	Introduction to the Theatre	4.5	THEA	112G	Introduction to Theatre			3
<b>ACE Outcome 8</b>									
ECON	1000	Macroeconomics (or ACE 6)	4.5	ECON	211	Principles of Macroeconomics			3
ECON	1100	Microeconomics (or ACE 6)	4.5	ECON	212	Principles of Microeconomics			3
PHIL	1010	Intro to Philosophy (or ACE 5)	4.5	PHIL	101	Introduction to Philosophy			3
PHIL	1030	Professional Ethics	4.5	PHIL	106	Philosophy & Current Issues			3
POLS	2050	American National Government	4.5	POLS	100	Power and Politics in America			3
<b>ACE Outcome 9</b>									
ECON	2720	International Economics	4.5	ECON	321	Introduction to International Economics			3
ENGL	2470	Intro To Women's Lit (or ACE 5)	4.5	ENGL	215	Intro to Women's Literature			3
ENGL	2530	Ethnic Literature (or ACE 5)	4.5	ENGL	244	African American Literature			3
GEOG	1050	Introduction to Human Geography	4.5	GEOG	140	Introduction to Human Geography			3
GEOG	2150	World Regional Geography	4.5	GEOG	272	Geography of World Regions			3
HIST	1110	World Civilization to 1500	4.5	HIST	210	World History to 1500			3
HIST	1120	World Civilization since 1500	4.5	HIST	121	World History since 1500			3
PHIL	1030	Professional Ethics (or ACE 8)	4.5	PHIL	106	Philosophy & Current Issues			3
PHIL	2200	Comparative Religion	4.5	RELG	108	World Religions			3
SOCI	2050	Current Social Problems	4.5	SOCI	201	Social Problems			3
SOCI	2160	Marriage and the Family	4.5	SOCI	225	Marriage & Family			3
<b>ACE Outcome 10</b> <i>Class must be taken at UNL</i>									
<b>Courses required for MCC Associate degree</b>									
INFO	1001	Information Systems & Literacy	4.5	Vocational Credit					
HMRL	1010	Human Relations Skills (ACE 2)	4.5	ALEC	102	Interpersonal Skills for Leadership		3	
MATH	1310	Intermediate Algebra	4.5	MATH	100A	Intermediate Algebra – Non-degree Applicable		0	
MATH	1420	College Algebra	5	MATH	101	College Algebra		3	