



**Pre-Secondary Education – Skilled & Technical Sciences Endorsement (ITAS2)
Associate in Applied Science - Transfer
To Bachelor of Science in Agricultural Education - UNL**

This guide lists MCC courses that meet the requirements for an ITAS2 degree and prepare the student to transfer into the Agricultural Education program at UNL. Every effort has been made to insure accuracy however, students should meet with an MCC advisor at least twice a year to review requirements for their intended degree. UNL may have more specific requirements. Students intending to transfer should also speak with an UNL advisor to insure the optimal number of credits transfer. Only Courses with a grade of C or better will transfer and students must have a minimum overall grade point average of 2.5 or higher. Students who have been awarded the Associate in Science Degree in Pre-Secondary Education – Skilled & Technical Sciences Endorsement from Metropolitan Community College will be permitted to enter with junior class standing in the College of Agricultural Sciences and Natural Resources and to transfer the maximum of 90 quarter hours/60 semester hours earned.

General Education Requirements.....51.0 - 54.0

Metropolitan Community College courses					Qtr. Hrs.
Courses required for MCC Associate degree					9.0
INFO 1001	Information Systems & Literacy	4.5	HMRL 1010	Human Relations Skills (ACE 2)	4.5
General Education/UNL-ACE Student Learning Outcomes (see last page for specific class equivalencies)					
ACE Outcome 1					9.0
ENGL 1010	English Composition I	4.5	ENGL 1020	English Composition II	4.5
ACE Outcome 2					
Met by HMRL 1010 Listed above					
ACE Outcome 3 <i>Select Trigonometry and Statistics combination OR Calculus I</i>					7.5-9.0
MATH 1430	Trigonometry	4.5	Math 1410	Statistics	4.5
MATH 2410	Calculus I	7.5			
ACE Outcome 4 <i>Select 2 courses, each from a different prefix (PHYS, CHEM and BIOS)</i>					12.0-13.5
Select 2 courses, each from different prefixes.					
PHYS 110ABC	Principles of Physics IA, IB, IC	7.5	BIOS 1010&1010L	General Biology with Lab	6.0
<i>Select one Chemistry class from below, also completing the associated lab.</i>					
CHEM 1010	College Chemistry	6.0	CHEM 1212	General Chemistry – Accelerated	6.0
CHEM 1210&1211	General Chemistry I parts 1 & 2	6.0			
Choose three ACE outcomes to fulfill from ACE 5 through 9, selecting up to 13.5 quarter hour credits total.					Select 13.5 hrs.
Choose classes from different categories with different prefixes. The remaining ACE requirements will be met at UNL after transfer.					
ACE Outcome 5 <i>Select one class from below</i>					4.5
ENGL 2450	Intro to Literature	4.5	HIST 1020	United States History from 1865 to Present	4.5
HIST 1010	United States History to 1877	4.5	PHIL 1010	Intro to Philosophy*	4.5
ACE Outcome 6 <i>Select one class from below</i>					4.5
ECON 1000	Macroeconomics*	4.5	ECON 1100	Microeconomics*	4.5
ACE Outcome 7 <i>Select one class from below</i>					4.5
MUSC 1050	Music Appreciation	4.5	THEA 1000	Intro to the Theatre	4.5
ACE Outcome 8 <i>Select one class from below</i>					4.5
ECON 1000	Macroeconomics (or ACE 6)*	4.5	PHIL 1010	Intro to Philosophy (or ACE 5)*	4.5
ECON 1100	Microeconomics (or ACE 6)*	4.5	POLS 2050	American National Government	4.5
ACE Outcome 9					4.5
SOCI 2060	Multicultural Issues	4.5			
ACE Outcome 10 <i>Class must be taken at UNL</i>					

Industrial Technology Endorsement Program..... 49.5

Architecture and Construction					Select 13.5 or more Qtr. Hrs.
CNST	1005	Introduction to Construction Industry			4.5
CNST	1020	Blueprint Reading			4.5
CNST	1050	Introduction to Carpentry			4.5
CNST	1240	Interior Finish & Cabinetry: prerequisite needed – CNST 1020 and CNST 1050			9.0
CNST	1360	Floor, Wall, Stair and Ceiling Framing: prerequisite needed – CNST 1020 and CNST 1050			9.0
ARCH	1120	Beginning REVIT (Building)			4.5
ARCH	1130	Intermediate REVIT (Building)			4.5
Manufacturing					Select 12 or more Qtr. Hrs.
WELD	1000	Print Reading for Welders			3.0

WELD	1100	Industrial Cutting Process	3.0
WELD	1200	GMAW (MIG) Steel 1: prerequisite needed – WELD 1100	3.0
WELD	1300	Oxyacetylene Welding (OAW)	3.0
WELD	1400	Gas Tungsten Arc Welding (TIG) - Steel I	3.0
WELD	1500	SMAW Stick Flat: prerequisite needed – WELD 1100	3.0
PRMA	1401	Machine Tool I	9.0
PRMA	1402	Machine Tool II: prerequisite needed – PRMA 1401	9.0
DRAF	1100	AutoCAD Fundamentals (or STEM)	9.0
DRAF	1300	Inventor Fundamentals (or STEM)	9.0
ELTR	1200	Basic Electricity (or STEM)	8.0
ELME	1050	Mechanical Print Reading	4.0
ELME	2060	Mechanical Power Systems (or STEM)	4.0
ELME	2070	Hydraulics & Pneumatics	4.0
ELME	1212	Motor & Machine Controls: prerequisite needed-ELTR 1200 (or STEM)	9.0
ELME	2231	Programmable Logic Controllers I: prerequisite needed – ELME 1212	4.5
ELME	2232	Programmable Logic Controllers II: prerequisite needed – ELME 2231	4.5
INCT	2050	Problem-Solving (or STEM)	3.0
HVAC	1000	Refrigeration Electrical Theory & Application	6.0
PROT	1000	Intro to Process & Power Operations	Variable
PROT	1020	Intro to Process Operations in Manufacturing Technology	4.5
PROT	1030	Intro to Quality & Continuous Improvement	4.5
PROT	1250	Basic Electricity for Power & Process	6.0
PROT	1302	Stationary Engineering I	3.0
STEM – Science, Technology, Engineering and Mathematics			Select 12 or more Qtr. Hrs.
DRAF	1100	AutoCAD Fundamentals (or Manufacturing)	9.0
DRAF	1300	Inventor Fundamentals (or Manufacturing)	9.0
SCET	1000	Civil Engineering Fundamentals	4.5
SCET	1120	AutoCAD Essentials	9.0
SCET	1130	REVIT (Structures)	4.5
INCT	2050	Problem-Solving (or Manufacturing)	3.0
ELME	2060	Mechanical Power Systems (or Manufacturing)	4.0
ELME	1212	Motor & Machine Controls: prerequisite needed-ELTR 1200 (or Manufacturing)	9.0
ELTR	1200	Basic Electricity (or Manufacturing)	8.0
TDL – Transportation, Distribution and Logistics			Select 12 or more Qtr. Hrs.
AUTT	1110	Automotive1: Express Lane	12.0
AUTT	1010	Introduction to Auto Service and Minor Repair	3.0
AUTT	1210	Automotive Electricity and Electronics I	3.0
DESL	1000	Diesel Preventive Maintenance	4.5
DESL	1210	Electricity & Electronics	6.0
INCT	1000	Industrial Safety and Health	4.5
INCT	1100	Logistics & Warehousing for Applied Technologies	4.5
INCT	1500	Intro to Distribution	4.5

Total Degree Requirements.....100.5-103.5 credit hours

To connect with your MCC Advisor visit mccneb.edu/advising or call 531-622-2400.

To speak with a UNL College of Agricultural Sciences and Natural Resources representative call Eric Knoll at 402-472-2470 or email eknoll2@unl.edu.

ACE Student Learning Outcomes Course Equivalencies							
Metropolitan Community College				Qtr. Hrs.	UNL	Sem. Hrs.	
ACE Outcome 1						6	
ENGL	1010	English Composition I	4.5	ENGL	150	Writing: Rhetoric	3
ENGL	1020	English Composition II	4.5	ENGL	151	Rhetoric As Argument	3
ACE Outcome 2						3	
HMRL	1010	Human Relations Skills	4.5	ALEC	102	Interpersonal Skills for Leadership	3
ACE Outcome 3						5-6	
MATH	1430	Trigonometry AND	4.5	MATH	102	Trigonometry	2
MATH	1410	Statistics OR	4.5	STAT	218	Introduction to Statistics	3
MATH	2410	Calculus I	7.5	MATH	106	Calculus I	5
ACE Outcome 4						9	
PHYS	110ABC	Principles of Physics IA, IB, IC	7.5	PHYS	141	Elements of General Physics I	5
<i>Select one Chemistry class from below</i>							
CHEM	1010	College Chemistry OR	6	CHEM	109	General Chemistry I	4
CHEM	1210&1211	General Chemistry I, parts 1 & 2 OR	6				
CHEM	1212	General Chemistry - Accelerated	6				
BIOS 1010&1010L		General Biology with Lab	6	BIOS 101 & 101L		General Biology and General Biology Lab	4
ACE Outcome 5 <i>Select one class from below</i>						3	
ENGL	2450	Introduction to Literature	4.5	ENGL	180	Introduction to Literature	3
HIST	1010	United States History to 1877	4.5	HIST	110	America to 1877	3
HIST	1020	US History – 1865 to Present	4.5	HIST	111	America after 1877	3
PHIL	1010	Introduction to Philosophy	4.5	PHIL	101	Introduction to Philosophy *	3
ACE Outcome 6 <i>Select one class from below</i>						3	
ECON	1000	Macroeconomics *	4.5	ECON	211	Principles of Macroeconomics	3
ECON	1100	Microeconomics *	4.5	ECON	212	Principles of Microeconomics	3
ACE Outcome 7 <i>Select one class from below</i>						3	
MUSC	1050	Music Appreciation	4.5	MUNM	276G	The Music Experience	3
THEA	1000	Introduction to the Theatre	4.5	THEA	112G	Introduction to Theatre	3
ACE Outcome 8 <i>Select one class from below</i>						3	
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	Introduction to Philosophy (or ACE 5)*	4.5	PHIL	101	Introduction to Philosophy	3
POLS	2050	American National Government	4.5	POLS	100	Power and Politics in America	3
ACE Outcome 9 <i>Select one class from below</i>						3	
SOCI	2060	Multicultural Issues	4.5	SOCI	2XX	Will be substituted for SOCI 217 at UNL	3
ACE Outcome 10 <i>Class must be taken at UNL</i>						3	
Courses required for MCC Associate degree							
INFO	1001	Information Systems & Literacy	4.5	Elective credit			