



Skilled & Technical Sciences Education Transfer (ITAS2)

Associate in Applied Science

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 2.75 or higher. Students who have been awarded the Associate in Applied Science Degree in Skilled & Technical Sciences Education Transfer 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 Requirements37.5-41.0

Metropolitan Community College courses					Qtr. Hrs.
General Education/UNL-ACE Student Learning Outcomes (see last page for specific class equivalencies)					
Complete ACE 1, ACE 2, ACE 3, and ACE 4 outcomes. Complete one course from either ACE 5 or ACE 6.					
ACE Outcome 1 <i>Complete both courses.</i>					9.0
ENGL 1010	English Composition I	4.5	ENGL 1020	English Composition II	4.5
ACE Outcome 2					4.5
HMRL 1010	Human Relations Skills	4.5			
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
PHYS 110ABC	Principles of Physics IA, IB, IC	7.5	BIOS 1010	General Biology	6.0
CHEM 1010	College Chemistry	6.0	CHEM 1212	General Chemistry I	6.0
ACE Outcome 5 <i>Select one course from ACE 5 or ACE 6.</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 course from ACE 5 or ACE 6.</i>					
ECON 1000	Macroeconomics	4.5	ECON 1100	Microeconomics	4.5
ACE Outcomes 7-10 <i>Courses will be taken at UNL.</i>					

Industrial Technology Endorsement Program 54

Complete a minimum of 9 quarter hours in each area and an additional 18 hours in any of the four areas.					
Architecture and Construction					Select a minimum of 9 quarter hours.
ARCH	1115	REVIT Essentials			9.0
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			9.0
CNST	1360	Floor, Wall, Stair and Ceiling Framing			9.0
Manufacturing					Select a minimum of 9 quarter hours.
ELME	1050	Mechanical Print Reading			4.0
ELME	1212	Motor & Machine Controls:			9.0
ELME	2060	Mechanical Power Systems			4.0
ELME	2070	Hydraulics & Pneumatics			4.0
ELME	2231	Programmable Logic Controllers I			4.5
ELME	2232	Programmable Logic Controllers II			4.5
INCT	2050	Problem-Solving			3.0
PRMA	1401	Machine Tool I			9.0
PRMA	1402	Machine Tool II			9.0
PROT	1000	Intro to Process & Power Operations			4.5
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
WELD	1000	Print Reading for Welders	3.0
WELD	1100	Industrial Cutting Process	3.0
WELD	1200	Gas Metal Arc Welding (MIG) Steel I	3.0
WELD	1300	Oxyacetylene Welding	3.0
WELD	1400	Gas Tungsten Arc Welding (TIG) - Steel I	3.0
WELD	1500	Shielded Metal Arc Welding (STICK) - Flat	3.0
Energy and Engineering			Select a minimum of 9 quarter hours.
DRAF	1100	AutoCAD Fundamentals	9.0
DRAF	1300	Inventor Fundamentals	9.0
ELTR	1200	Basic Electricity	8.0
HVAC	1101	HVACR Electrical Systems and Components	8.0
INCT	2100	Introduction to Robotics	4.0
SCET	1000	Civil Engineering Fundamentals	4.5
SCET	1120	AutoCAD Essentials	9.0
SCET	1130	REVIT (Structures)	4.5
Transportation, Distribution and Logistics (TDL)			Select a minimum of 9 quarter hours.
AUTT	1111	Auto 1 Automotive Fundamentals Theory	4.0
AUTT	1112	Auto 1 Automotive Fundamentals Lab	8.0
DESL	1000	Diesel Preventive Maintenance	4.5
DESL	1210	Electricity & Electronics	6.0
DESL	1230	Diesel Engine Fundamentals	4.0
ELME	1210	Introduction to Motors	4.5
INCT	1000	Industrial Safety and Health	4.5
INCT	1100	Logistics & Warehousing for Applied Technologies	4.5
INCT	1500	Introduction to Distribution	4.5

Total Degree Requirement..... 91.5-95.0 quarter hours

Students must pass the Praxis Core exam before completion of ALEC 494 at UNL. It is recommended this exam be completed prior to the student's junior year.

To speak with an MCC representative, contact a Career and Technical Education (CTE) Academic Advisor at <https://mccneb.edu/advising> or 531-622-2400 or email Jani Falcone, Project Coordinator at jfalcone@mccneb.edu.

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
Select two courses from below from two different prefixes.							
PHYS	110ABC	Principles of Physics IA, IB, IC	7.5	PHYS	141	Elements of General Physics I	5
CHEM	1010	College Chemistry	6	CHEM	105 A/L	Chemistry in Context I/Lab	4
CHEM	1212	General Chemistry I	6	CHEM	109 A/L	General Chemistry I/Lab	4
BIOS	1010	General Biology	6	BIOS 101 & 101L		General Biology and General Biology Lab	4
ACE Outcome 5 <i>Select one course from ACE 5 or ACE 6.</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 course from ACE 5 or ACE 6.</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 Outcomes 7-10 Courses will be taken at UNL.							3