

College of Agricultural Science and Natural Resources APPENDIX 1
Bachelor of Science Degree in Agricultural Education
Skilled and Technical Sciences Teaching Option
Mid-Plains Community College Associate of Science Program

UNL			Mid-Plains Community College			
Course No.	Course Title	Semester Credits	Course No.	Course Title	Qtr. Hr. Credits	
Ace Outcome 1 - Written Communication						6
ENGL 150	Writing: Rhetoric AND	3	ENGL 1010	Expository Writing I AND	3	
ENGL 101	Writing: Rhetoric and Reading	3	ENGL 1020	Expository Writing II	3	
ACE Outcome 2 - Oral Communication						3
COMM 109	Fundamentals of Human Communication	3	SPCH 1090	Fundamentals of Human Communication	3	
ACE Outcome 3 - Mathematics and Statistics (CASNR needs 5 credits beyond College Algebra)						3
STAT 218	Introduction to Statistics	3	MATH 1180	Elements of Statistics	3	
ACE Outcome 4 - Science						9
CHEM 105	Chemistry in Context I OR	4	CHEM 1050	Survey of Chemistry I OR	4	
CHEM 109	General Chemistry I	4	CHEM 1090	General Chemistry I	4	
PHYS 141	Elements of General Physics I	5	PHYS 1410	General Physics I w/Lab	5	
ACE Outcome 5 , 7 , 8 (Please see advisor for numerous offerings)						3
ACE Outcome 6						3
ECON 211	Principles of Macroeconomics OR	3	ECON 2110	Principles of Economics - Macro OR	3	
ECON 212	Principles of Microeconomics	3	ECON 2120	Principles of Economics - Micro	3	
ACE Outcome 9						3
SOCI Credit	Sociology Subject Credit (will substitute for SOCI 217)	3	SOCI 2500	Dealing with Diversity	3	
Outcome 10 - Must be taken at UNL						
Please select 8 hours from each of the four areas below:						
Construction and Electrical:						8
BLDC 1005	Safety (Prereq for all BLDC Courses)	1	ELTR 1005	Safety (Prereq for all ELTR Courses)	1	
BLDC 1105/1115	Framing Construction & Lab	5	ELTR 1115	Direct Current Theory (Prereq: ELTR 1150)	4	
BLDC 1125/1135	Exterior Finish & Lab	5	ELTR 1130	Alternating Current Theory (Prereqs: ELTR 1115 & 1150)	4	
BLDC 1160	Introduction to Computer-Aided Design	2	ELTR 1150	Applied Math	2	
BLDC 1240	Green Build Technology	2	ELTR 1255	Residential Wiring (Prereqs: ELTR 1115, 1130 & 1150)	6	
Manufacturing and Welding:						8
WELD 1005	Safety (Prereq for all WELD courses)	1	WELD 1145	Print Reading	3	
WELD 1115	Arc/Gas Welding	4	WELD 1220	Arc/Gas Welding II	3	
WELD 1125	Intro to TIG Welding	1	WELD 1240	Intermediate MIG	3	
WELD 1135	Intro to MIG Welding	1	WELD 1245	Welding Prefabrication	2	
WELD 1140	Metals & Metallurgy	3	WELD 1250	Intermediate TIG	3	
Science, Technology, Engineering and Mathematics						8
ENGR 1000	Engineering Fundamentals	3	ENGR 1020	Programming & Problem Solving	3	
ENGR 1010	Introduction to Engineering Design	3				
The following 2 courses can be an option for MPCC students to take during the summer training institutes and reverse the credit back to MPCC. Both classes are taught by UNL and will be given UNL credit.						
ALEC 397	POE, Principles of Engineering	5	ALEC 397	IED, Introduction to Engineering	4	
Transportation, Distribution, and Logistics						8
AUTO 1005	Safety (Prereq for all AUTO courses)	1	AUTO 1755	Wheel Alignment	2	
AUTO 1170	Equipment Maintenance	1	WARE 1100	Introduction to Logistics	3	
AUTO 1200	Auto Suspension Systems	2	WARE 1200	Global Logistics	3	
AUTO 1215	Auto Braking Systems	4	WARE 1250	Transportation Logistics	3	
(60 Semester Hours will transfer to UNL)					Total Semester Hrs. for AS Degree	62