

College of Agricultural Science and Natural Resources
Bachelor of Science Degree in Agricultural Education-Skilled and Technical Sciences Option
Central Community College Associate of Science Program

APPENDIX 1



UNL			Central Community College			
Course No.	Course Title	Required Credits	Course No.	Course Title	Required Credits	
ACE Student Learning Outcomes - Except where noted, choose one course from each ACE Outcome.						
Ace Outcome 1			6			
ENGL 150	Writing: Rhetoric AND	3	ENGL 1010	English Composition AND	3	
ENGL 151	Rhetoric As Argument OR	3	ENGL 1020	Writing and Research OR	3	
JGEN 120	Basic Business Communication	3	BSAD 1230	Business Communications	3	
ACE Outcome 2 - Select one course			3			
COMM 209	Public Speaking	3	SPCH 1110	Public Speaking	3	
COMM 109	Fundamentals of Human Communication	3	SPCH 1400	Oral Communication	3	
ACE Outcome 3 - CASNR requires 5 credits beyond College Algebra - select one of the two series			5-8			
STAT 218	Introduction to Statistics AND	3	MATH 2020	Applied Statistics AND	3	
MATH 102	Trigonometry OR	2/1 NDAP	MATH 1380	Trigonometry OR	3	
MATH 103	College Algebra & Trigonometry (2 credits apply as MATH 102. 3 credits free electives)	5	MATH 1410	Pre-Calculus OR	5	
MATH 104	Applied Calculus	3	MATH 2040	Applied Calculus	3	
MATH 106	Calculus I	5	MATH 2060	Analytic Geometry & Calculus I	5	
ACE Outcome 4 - Select one course from either the Biology, Chemistry or Physics area			4-5			
BIOS 101/101L	General Biology	4	BIOS 1010	General Biology	4	
CHEM 105	Chemistry in Context I	4	CHEM 1050	Elements of Chemistry	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	5	
ACE Outcome 5, 7 or 8 (Please see CCC advisor for numerous offerings)			3			
ACE Outcome 6			3			
ECON 211	Principles of Macroeconomics OR	3	ECON 2110	Principles of Macroeconomics OR	3	
ECON 212	Principles of Microeconomics	3	ECON 2120	Principles of Microeconomics	3	
ACE Outcome 9			3			
SOCI 217	Nationality and Race Relations	3	SOCI 2150	Issues of Unity and Diversity	3	
Outcome 10 - Must be taken at UNL						
Please select 9 hours from each of the four areas below:						
Architecture and Construction:						
CNST 1500	Floor, Wall, & Ceiling Framing	3	DSGN 1010	Fundamentals of Design	3	
CNST 1560	Exterior Wall & Roof Coverings	2	DSGN 1020	CAD Fundamentals	3	
CNST 2510	Cabinet Construction I	2				
Manufacturing:						
AMDT 1020	Manual Lathe	3	INDT 1120	Concepts of Electronics II	3	
AMDT 1040	Manual Mill	3	INDT 1180	Fundamentals of Mechanical Systems	3	
AMDT 1060	Heat Treating and Metallurgy/Grinding	3	WELD 1300	Oxyacetylene Welding I	3	
AMDT 1200	CNC Lathe Operations	3	WELD 1440	Gas Metal Arc Welding I	3	
AMDT 1220	CNC Mill Operations	3	WELD 1460	Gas Metal Arc Welding II	2	
INDT 1100	Concepts of Electronics I	3				
Science, Technology, Engineering and Mathematics:						
ENGR 1010	Introduction to Engineering Design	3	DSGN 1020	CAD Fundamentals	3	
DSGN 1010	Fundamentals of Design	3	ELEC 1240	Electrical Theory	3	
The following 2 courses can be an option for SCC students to take during the summer training institutes and reverse the credit back to CCC. 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:						
AUTO 1000	Basic Shop Practices	2	AUTO 1200	Manual Transmissions & Clutches	2	
AUTO 1100	Automotive Electrical Systems I	3	AUTO 1720	Basic Engine Performance	2	
(60 Semester Hours will transfer to UNL)					Total Semester Hours	63-68