College of Agricultural Science and Natural Resources   APPENDIX 3
Bachelor of Science Degree in Agronomy-Business Option
Central Community College Associate of Science Program

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 - Complete both courses		**6**		**Group A: Communications**		**6**	
ENGL 150	Writing: Rhetoric	3		ENGL 1010	English Composition	3	
ENGL 151	Rhetoric As Argument	3		ENGL 1020	Writing and Research	3	
ACE Outcome 2		**3**		**Group A: Communications**		**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 - All courses below are program requirements		**5**		**Group B: Critical Thinking and Problem Solving-Mathematics**		**5-6**	
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 106	Calculus I	5		MATH 2060	Analytic Geometry/Calculus I	5	
ACE Outcome 4		**17**		**Group B: Critical Thinking and Problem Solving-Science and Elective Courses**		**17**	
BIOS 109	General Botany	4	4	BIOS 1090	General Botany	4	4
CHEM 105/106	Chemistry in Context I/Chemistry in Context II **OR**	8	8	CHEM 1050/106	Elements of Chemistry/Basics of Organic Chemistry **OR**	8	8
CHEM 109/110	General Chemistry I/General Chemistry II	8		CHEM 1090/110	General Chemistry I/General Chemistry II	8	
PHYS 141	Elements of General Physics I	5	5	PHYS 1410	General Physics I	5	5
		15				15	
ACE Outcome 5		**3**		**Group C: Life and Career Skills**		**3**	
PHIL 220	Elements of Ethics	3		PHIL 2650	Introduction to Ethics	3	
ACE Outcome 6		**3**		**Group E: Global Awareness**		**3**	
AECN 141	Introduction to the Economics of Agriculture	3		AGRI 1410	Agricultural Economics	3	
ACE Outcome 7		**3**		**Group E: Global Awareness**		**3**	
MUNM 276G	The Music Experience	3		MUSC 1010	Introduction to Music	3	
THEA 112G	Introduction to Theatre	3		THEA 1010	Introduction to Theater	3	
ACE Outcome 8		**3**		**Elective Course**		**3**	
ECON 211	Principles of Macroeconomics	3		ECON 2110	Principles of Macroeconomics	3	
ECON 212	Principles of Microeconomics	3		ECON 2120	Principles of Microeconomics	3	
PHIL 101	Intro to Philosophy	3		PHIL 1010	Introduction to Philosophy	3	
POLS 100	Power and Politics In America	3		POLS 1000	American Government	3	
ACE Outcome 9		**3**		**Elective Course**		**3**	
GEOG 140	Introduction to Human Geography	3		GEOG 1400	Cultural Geography	3	
HIST 120	World History to 1500	3		HIST 1700	World Civilizations to 1500	3	
HIST 121	World History since 1500	3		HIST 1710	World Civilizations after 1500	3	
RELG 108	World Religions	3		PHIL 2610	Comparative Religions	3	
POLS 160	International Relations	3		POLS 1600	International Relations	3	
SOCI 201	Social Problems	3		SOCI 2010	Social Problems	3	
SOCI 217	Nationality and Race Relations	3		SOCI 2150	Issues of Unity and Diversity	3	
SOCI 225	Marriage & Family	3		SOCI 2160	Marriage & Family	3	
Outcome 10 - Must be taken at UNL							
Free Elective		**3**		**Group D: Information & Technology Literacy**		**3**	
AGRI 271	An Introduction in Computer Applications in Agriculture	3		INFO 1120	Microcomputer Applications	3	
Agricultural Sciences:		**11**		**Electives (select at least 11 credit hours)**		**11**	
AECN 201	Farm and Ranch Management	4		AGRI 2010	Farm Management	4	
AECN 256	Legal Aspects in Agriculture	3		AGRI 2560	Legal Aspects of Agriculture	3	
AGRO 131/132	Plant Science and Plant Science Lab	4		AGRI 1310/1350	Plant Science and Plant Science Lab	4	
AGRO 153	Soil Resources	4		AGRI 1530	Soil Science	4	
Total Hrs. Applied Toward BS Degree at UNL		**60**		**Total Hrs. for AS Degree**			60-61

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