

**College of Agricultural Science and Natural Resources  
Bachelor of Science Degree in Applied Science  
Central Community College Associate of Science Program**

**APPENDIX 5**



UNL			Central Community College		
Course No.	Course Title	Required Credits	Course No.	Course Title	Required Credits
<b>ACE Student Learning Outcomes - Except where noted, choose one course from each ACE Outcome.</b>					
<b>ACE Outcome 1 - Complete both courses</b>			<b>6</b>	<b>Group A: Communications</b>	<b>6</b>
ENGL 150	Writing: Rhetoric	3	ENGL 1010	English Composition	3
ENGL 151	Rhetoric As Argument	3	ENGL 1020	Writing and Research	3
<b>ACE Outcome 2</b>			<b>3</b>	<b>Group A: Communications</b>	<b>3</b>
COMM 209	Public Speaking	3	SPCH 1110	Public Speaking	3
COMM 109	Fundamentals of Human Communication	3	SPCH 1400	Oral Communication	3
<b>ACE Outcome 3</b>			<b>5</b>	<b>Group B: Critical Thinking and Problem Solving-Mathematics</b>	<b>5-6</b>
STAT 218	Introduction to Statistics and	3	MATH 2020	Applied Statistics and	3
MATH 102	Trigonometry or	2/1NDAP	MATH 1380	Trigonometry or	3
MATH 106	Calculus I	5	MATH 2060	Analytic Geometry & Calculus I	5
<b>ACE Outcome 4</b>			<b>21</b>	<b>Group B: Critical Thinking and Problem Solving-Science and Elective Courses</b>	<b>21</b>
BIOS 101/101L	General Biology	4	8 BIOS 1010	General Biology	4
BIOS 206	General Genetics	4	BIOS 2420	Principles of Genetics	4
CHEM 105/106	Chemistry in Context I/Chemistry in Context II OR	8	8 CHEM 1050/1060	Elements of Chemistry/Basics of Organic Chemistry OR	8
CHEM 109/110	General Chemistry I/General Chemistry II	8	CHEM 1090/1100	General Chemistry I/General Chemistry II	8
PHYS 141	Elementary General Physics I	5	5 PHYS 1410	General Physics I	5
			<b>15</b>		<b>15</b>
<b>ACE Outcome 5</b>			<b>3</b>	<b>Group C: Life and Career Skills</b>	<b>3</b>
PHIL 220	Elements of Ethics	3	PHIL 2650	Introduction to Ethics	3
<b>ACE Outcome 6</b>			<b>3</b>	<b>Group E: Global Awareness</b>	<b>3</b>
AECN 141	Introduction to the Economics of Agriculture	3	AGRI 1410	Agricultural Economics	3
<b>ACE Outcome 7</b>			<b>3</b>	<b>Group E: Global Awareness</b>	<b>3</b>
MUNM 276G	The Music Experience	3	MUSC 1010	Introduction to Music	3
THEA 112G	Introduction to Theatre	3	THEA 1010	Introduction to Theater	3
<b>ACE Outcome 8</b>			<b>3</b>	<b>Elective Course</b>	<b>3</b>
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
POLS 221	Politics State & Local Government	3	POLS 2210	Politics in State & Local Government	3
<b>ACE Outcome 9</b>			<b>3</b>	<b>Elective Course</b>	<b>3</b>
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
<b>Outcome 10 - Must be taken at UNL</b>					
<b>Free Elective</b>			<b>3</b>	<b>Group D: Information &amp; Technology Literacy</b>	<b>3</b>
AGRI 271	An Introduction in Computer Applications in Agriculture	3	INFO 1120	Microcomputer Applications	3
<b>Agricultural Systems Courses</b>			<b>6-7</b>	<b>Elective Courses</b>	<b>6-7</b>
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
ASCI 100	Fundamentals of Animal Biology and Industry	4	AGRI 1700	Animal Science	4
ENTR 121	Entrepreneurial Management	3	ENTR 1050	Intro to Entrepreneurship	3
<b>Total Hrs. Applied Toward BS Degree at UNL</b>			<b>59-60</b>	<b>Total Hrs. for AS Degree</b>	<b>60</b>

Updated 2/15