

College of Agricultural Sciences and Natural Resources
Bachelor of Science Degree in Applied Science
Transfer Program with Wayne State College

UNL			Wayne State College			
Course No.	Course Title	Required Credits	Course No.	Course Title	Required Credits	CAT
ACE Student Learning Outcomes - Except where noted, choose one course from each ACE Outcome.						
ACE Outcome 1 (Written Communication)						3
JGEN 120	Basic Business Communication	3	BUS 208	Business Communication	3	
ENGL 150	Writing & Inquiry	3	ENG 102	Composition Skills	3	1
ENGL 151	Writing & Communities	3	ENG 200	Expository Writing	3	
ACE Outcome 2 (Oral Communication)						3
COMM 109	Fundamentals of Human Communication	3	CNA 100	Principles of Human Communication	3	2
COMM 209	Public Speaking	3	CNA 252	Public Address	3	
ACE Outcome 3 (select one series)						8
MATH 103	College Algebra and Trigonometry	5	MATH 130	Pre-Calculus Math	5	3
STAT 218	Introduction to Statistics	3	MATH 180	Applied Probability and Statistics	3	
MATH 106	Calculus I	5	MAT 140	Calculus I	5	
ACE Outcome 4 and Biological Sciences (all courses are required)						20
LIFE 120/L	Fundamentals of Biology I and Lab	4	BIO 110	Biology Concepts	4	7
CHEM 109	General Chemistry I	4	CHE 106	General Chemistry I	4	
CHEM 110	General Chemistry II	4	CHE 107	General Chemistry II	4	
AGRO 215	Genetics	4	BIO 320	Molecular Genetics	4	
PHYS 141	Elementary General Physics I	4/waive 1	PHY 201 and 321	General Physics I and Lab	4	
Select no more than one course from each of the following 5 areas, except where noted, for a total of 15 hrs.						15
ACE Outcome 5						3
HIST 201	America to 1877	3	HIS 180	American Experience I	3	5
HIST 202	America after 1877	3	HIS 181	American Experience II	3	
PHIL 101	Introduction to Philosophy	3	PHI 101	Introduction to Philosophy	3	
ACE Outcome 6						3
ECON 211	Principles of Macroeconomics	3	ECO 202	Principles of Macroeconomics	3	
ECON 212	Principles of Microeconomics	3	ECO 203	Principles of Microeconomics	3	8
ACE Outcome 7						3
AHIS 101	Cave Paintings To Cathedrals	3	ART 244	Art History Survey I	3	4
AHIS 102	Renaissance To Modern Art	3	ART 245	Art History Survey II	3	
ENGL 252	Introduction to Writing of Fiction	3	ENG 203	Fiction Workshop	3	
ENGL 253	Introduction to Writing of Poetry	3	ENG 202	Poetry Workshop	3	
THEA 112G	Introduction to Theatre	3	CNA 101	Introduction to Theatre	3	
ACE Outcome 8						3
ECON 211	Principles of Macroeconomics	3	ECO 202	Principles of Macroeconomics	3	
ECON 212	Principles of Microeconomics	3	ECO 203	Principles of Microeconomics	3	
POLS 100	Power and Politics In America	3	POS 100	American National Government	3	
PHIL 101	Introduction to Philosophy	3	PHI 101	Introduction to Philosophy	3	6
PHIL 106	Philosophy & Current Issues	3	PHI 105	Ethics & Values	3	
CSCE 230	Computer Organization	3	CSC 320	Computer Organization and Architecture	3	
ACE Outcome 9						3
GNCR	General Credit, will substitute for ACE 9	3	BIO 104	Environmental Concerns	3	10
GEOG 272	Geographical World Regions	3	GEO 120	World Regional Geography	3	
GEOG 140	Introduction to Human Geography	3	GEO 300	Human Geography	3	
HIST 120	World History To 1500	3	HIS 120 or HIS 170	World History or World Civilization I	3	
HIST 121	World History Since 1500	3	HIS 171	World Civilization II	3	
PHIL 106	Philosophy & Current Issues	3	PHI 105	Ethics & Values	3	
POLS 160	International Relations	3	POS 110	Introduction to World Politics	3	
ANTH 110	Introduction To Anthropology	3	SOC 110	Introduction to Anthropology	3	
SOCI 201	Social Problems	3	SOC 220	Social Problems	3	
SOCI 226	Families And Society	3	SOC 415	The Family	3	
Outcome 10 - Must be taken at UNL						11
Food, Animal, and Plant Science Systems						11
BIOS 1XX	Biological Science Elective	4	BIO 200	Zoology	4	
BIOS 109	Botany	4	BIO 210	Experimental Plant Science	4	
NUTR 250	Human Nutrition and Metabolism	3	FCS 207	Nutrition	3	9
Current and Emerging Technologies						4
BIOS 312 and BIOS3XX	Fundamentals of Microbiology	4	BIO 385	Microbiology	4	
Ecosystems Science and Management						see Minor
BIOS4T*	Biological Sciences 400-level elective	4	BIO 325	Ecology	4	
NRES1T*	Natural Resources 100-level elective	3	BIO 345	Conservation Biology	3	
METR 180	Environment, Energy, and Climate Change	3	EAS 360	Global Climate Change	3	
Leadership, Entrepreneurship, and Economics (taken at UNL)						1
Internship						1
GNCR	Will substitute course for Intership requirement	1	BIO 397	Internship Program	1	

Minor	20	Transcripted Minor at Wayne State College in Environmental Studies (Note: Minor in Environmental Studies, BIO 104, 325, 345 and EAS 360 = (13 credits) will be used to fulfill other major requirements in the Applied Science program.)	20
Electives	5	Electives (Note: courses can come from any other course taken at Wayne State College that is not already being used to fulfill requirements in the Applied Science program at UNL.)	5
Total Credits at UNL	90	Total Credits from Wayne State College	90

Educational Coursework to be taken at UNL		
SCIL 101	Science and Decision-Making for a Complex World	Waived
AGRI 115	Biotechnology: Food, Health and Environment	3
Food, Animal, and Plant Science Systems ¹		4
Current and Emerging Technologies ¹		2
Leadership, Entrepreneurship, and Economics ¹		12
Any CASNR ACE 10 Course		3
Electives ¹		6
Total		30

¹Consult with Applied Science advisor to ensure courses are CASNR courses at the 300-400 level to ensure the student is meeting the CASNR Residency requirement of 18 hours at the 300-400 level.

Total Hours of Coursework Transferred from Wayne to UNL	90
Total Hours of Coursework Taken at UNL	30
Total Hours to Earn a Bachelor of Science in Applied Science	120