

College of Agricultural Science and Natural Resources
Bachelor of Science Degree in Mechanized Systems Management - Production Option
Nebraska College of Technical Agriculture AS Transfer Program

UNL			Nebraska College of Technical Agriculture (NCTA)			
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 (Written Communications) (Select 6 hours)		3				3
ENGL 150	Writing and Inquiry	3	ENG 1903	College Composition	3	
ACE Outcome 2 (Oral Communications)		3				3
COMM 209	Public Speaking	3	SPC 1113	Speech	3	
ACE Outcome 3 (Mathematics and Statistics) - NOTE: Proficiency at the college algebra level must be demonstrated either by a placement exam or through course work. Three credits earned in MTH 1503, College Algebra, if taken to fulfill this requirement will be free electives at UNL. No credit is granted for MTH 1103, Basic Math; MTH 1203, Intermediate Algebra or MTH 1403 Agricultural Mathematics.						
STAT 218	Introduction to Statistics	3	MTH 2203	Elements of Statistics	3	
MTH 102	Trigonometry	2/1 NDAP ¹	MTH 2253	Trigonometry	3	
ACE Outcome 4 (Sciences)		8				8
AGRO 131/132	Plant Science and Agronomic Plant Science Lab	4	BIO 1313/1321	Plant Science/Agronomic Plant Science Lab	4	
CHEM 109	General Chemistry I	4	CHM 1104	General Chemistry I	4	
ACE Outcome 5 (Humanities)		3				3
HIST 111	American History After 1877	3	HTY 1303	American History After 1877	3	
ACE Outcome 6 (Economics)		3				3
ECON 212	Principles of Microeconomics	3	ECN 1202	Microeconomics	3	
ACE Outcome 7 (Arts)		3				3
HORT 200	Landscape & Environmental Appreciation	3	HSL 1053	Landscape Appreciation	3	
ACE Outcome 8 (Ethical Principles)		3				3
ECON 211	Principles of Macroeconomics	3	ECN 1303	Macroeconomics	3	
Degree Requirements		10				10
AGRO 153	Soil Resources	4	AGR 1201/1203	Principles of Soils Lab/Principles of Soils	4	
MSYM 245	Electrical Service Systems/	3/3 GNCR	AEQ 1503/1513	DC Cirtuits/AC Circuits	6	
Production Option		17				18
AECN 201	Farm and Ranch Management	4	ABM 2854	Farm and Ranch Management	4	
AGRO 204	Resource-Efficient Crop Management	3/1 NDAP	AGR 2404	Crop Management	4	
AGRO 366	Soil Nutrient Relationships	4	AGR 2304	Soil Fertility	4	
ASCI 250	Animal Management	3	ASI 1303	Animal Management	3	
MSYM 2XX	MSYM Subject Matter Credit	3	AEQ/AGR 2XXX	Ag Equipment Subject Matter Course	3	
Total Hours Applying Towards a Bachelors of Science Degree in Mechanized Systems Management (UNL)		58	Total Hours for AS Degree at NCTA. NOTE: UNL will only accept a total of 60 semester hours.			60

NOTE: NCTA students need to complete MSYM 109 online at UNL during a summer session.

¹Non-degree applicable

New 5/2017