

College of Agricultural Science and Natural Resources
Bachelor of Science Degree in Mechanized Systems Management - Production Option
Nebraska College of Technical Agriculture Academic 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 | Writing and Inquiry | 3 |
| ACE Outcome 2 (Oral Communications) | | 3 | | | 3 |
| COMM 209 | Public Speaking | 3 | SPC 1113 | Public Speaking | 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 | Introduction to Statistics | 3 |
| MTH 102 | Trigonometry | 2 | MTH 2252 | Trigonometry | 2 |
| 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 1203 | Principles of Microeconomics | 3 |
| ACE Outcome 7 (Arts) | | 3 | | | 3 |
| HORT 200 | Landscape & Environmental Appreciation | 3 | HSL 1053 | Landscape & Environmental Appreciation | 3 |
| ACE Outcome 8 (Ethical Principles) | | 3 | | | 3 |
| ECON 211 | Principles of Macroeconomics | 3 | ECN 1303 | Principles of 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 1153/1503 | Equipment Principles and DC Circuit Analysis | 6 |
| Production Option | | 17 | | | 17 |
| AECN 201 | Farm and Ranch Management | 4 | ABM 2854 | Farm and Ranch Management | 4 |
| AGRO 204 | Resource-Efficient Crop Management | 3 | AGR 2403 | Crop Management | 3 |
| 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 Applying Towards an Associate of Science Degree at NCTA. NOTE: UNL will only accept a total of 60 semester hours. | | 58 |

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

Updated 3/19