



SKILLS & TECHNICAL SCIENCES TEACHING OPTION PROGRAM PACKET

Mid Plains Community College

AGRICULTURAL EDUCATION DEGREE

with an

INDUSTRIAL TECHNOLOGY FIELD ENDORSEMENT

Additional information includes:

STS 2+2 TEACHING OPTION

**STS SUPPLEMENTAL ENDORSEMENT REQUIREMENTS
PREPARING STUDENTS FOR 440 TEACHING POSITIONS IN
OUR STATE AND BEYOND**

**CLASSES THEY TEACH WOULD BE IN ARCHITECTURE &
CONSTRUCTION; MANUFACTURING; TRANSPORTATION,
DISTRIBUTION, & LOGISTICS; ENGINEERING & ENERGY**

College of Agricultural Science and Natural Resources
Bachelor of Science Degree in Agricultural Education
Skilled and Technical Sciences Teaching Option
Mid-Plains Community College Associate of Science Program

APPENDIX 1

UNL		Mid-Plains Community College				
Course No.	Course Title	Semester Credits	Course No.	Course Title	Qtr. Hr. Credits	
Ace Outcome 1 - Written Communication						6
ENGL 150	Writing: Rhetoric AND	3	ENGL 1010	Expository Writing I AND	3	
ENGL 101	Writing: Rhetoric and Reading	3	ENGL 1020	Expository Writing II	3	
ACE Outcome 2 - Oral Communication						3
COMM 109	Fundamentals of Human Communication	3	SPCH 1090	Fundamentals of Human Communication	3	
ACE Outcome 3 - Mathematics and Statistics (CASNR needs 5 credits beyond College Algebra)						3
STAT 218	Introduction to Statistics	3	MATH 1180	Elements of Statistics	3	
ACE Outcome 4 - Science						9
CHEM 105	Chemistry in Context I OR	4	CHEM 1050	Survey of Chemistry I OR	4	
CHEM 109	General Chemistry I	4	CHEM 1090	General Chemistry I	4	
PHYS 141	Elements of General Physics I	5	PHYS 1410	General Physics I w/Lab	5	
ACE Outcome 5, 7, 8 (Please see advisor for numerous offerings)						3
ACE Outcome 6						3
ECON 211	Principles of Macroeconomics OR	3	ECON 2110	Principles of Economics - Macro OR	3	
ECON 212	Principles of Microeconomics	3	ECON 2120	Principles of Economics - Micro	3	
ACE Outcome 9						3
SOCI Credit	Sociology Subject Credit (will substitute for SOCI 217)	3	SOCI 2500	Dealing with Diversity	3	
Outcome 10 - Must be taken at UNL						
Please select 8 hours from each of the four areas below:						
Construction and Electrical:						8
BLDC 1005	Safety (Prereq for all BLDC Courses)	1	ELTR 1005	Safety (Prereq for all ELTR Courses)	1	
BLDC 1105/1115	Framing Construction & Lab	5	ELTR 1115	Direct Current Theory (Prereq: ELTR 1150)	4	
BLDC 1125/1135	Exterior Finish & Lab	5	ELTR 1130	Alternating Current Theory (Prereqs: ELTR 1115 & 1150)	4	
BLDC 1160	Introduction to Computer-Aided Design	2	ELTR 1150	Applied Math	2	
BLDC 1240	Green Build Technology	2	ELTR 1255	Residential Wiring (Prereqs: ELTR 1115, 1130 & 1150)	6	
Manufacturing and Welding:						8
WELD 1005	Safety (Prereq for all WELD courses)	1	WELD 1145	Print Reading	3	
WELD 1115	Arc/Gas Welding	4	WELD 1220	Arc/Gas Welding II	3	
WELD 1125	Intro to TIG Welding	1	WELD 1240	Intermediate MIG	3	
WELD 1135	Intro to MIG Welding	1	WELD 1245	Welding Prefabrication	2	
WELD 1140	Metals & Metallurgy	3	WELD 1250	Intermediate TIG	3	
Science, Technology, Engineering and Mathematics						8
ENGR 1000	Engineering Fundamentals	3	ENGR 1020	Programming & Problem Solving	3	
ENGR 1010	Introduction to Engineering Design	3				
The following 2 courses can be an option for MPCC students to take during the summer training institutes and reverse the credit back to MPCC. Both classes are taught by UNL and will be given UNL credit.						
ALEC 115	POE, Principles of Engineering	5	ALEC 105	IED, Introduction to Engineering	4	
Transportation, Distribution, and Logistics						8
AUTO 1005	Safety (Prereq for all AUTO courses)	1	AUTO 1755	Wheel Alignment	2	
AUTO 1170	Equipment Maintenance	1	WARE 1100	Introduction to Logistics	3	
AUTO 1200	Auto Suspension Systems	2	WARE 1200	Global Logistics	3	
AUTO 1215	Auto Braking Systems	4	WARE 1250	Transportation Logistics	3	
(60 Semester Hours will transfer to UNL)					Total Semester Hrs. for AS Degree	62

Skilled and Technical Sciences Option 4-Year Plan

Year 3—Semester 5, Fall

ALEC 135A—Introduction to STS Education	1 cr.
ALEC 308—Laboratory Instruction and Management	3 cr.
EDPS 209—Strategies for Academic Success	3 cr.
ALEC 494—Seminar in Agriculture/STS Instruction	1 cr.
ACE 5, 6, 7, or 8 as needed	3 cr.
Elective course	6 cr.
Total Credits	17 cr.

Students must pass the Praxis Core exam before completion of ALEC 494.
It is recommended that the Praxis be passed prior to a student's junior year.

Year 3—Semester 6, Spring

ALEC 235—STS Technical Skill/SkillsUSA	3 cr.
ALEC 405/405L—Teaching Methods and Methods Lab	4 cr.
ALEC 413—Program Planning	3 cr.
EDPS 457—Learning and Motivation Principles	3 cr.
Elective course	3 cr.
Total Credits	16 cr.

Year 4—Semester 7, Fall

SPED 401B—Accommodating Exceptional Learners	3 cr.
TEAC 259—Instructional Technology	3 cr.
ACE 5, 6, 7, or 8	3 cr.
ACE 5, 6, 7, or 8	3 cr.
Elective course	3 cr.
Total Credits	15 cr.

Year 4—Semester 8, Spring

ALEC 431 (ACE 10)—Student Teaching	12 cr.
Total Credits	12 cr.

Notes

The above plan is a 2+2 program for students interested in obtaining certification in Skilled and Technical Sciences (STS). This certification will allow an individual to teach Skilled and Technical Sciences in a Nebraska secondary school (grades 6-12). Completion of the 60 credit hour requirement in the Skilled and Technical Sciences 2 + 2 Teaching Option at UNL, along with the completion of an associate of applied science within a post-secondary institution with a 2 + 2 agreement, will allow a student to complete a BS degree in agricultural education with the Industrial Technology field endorsement from UNL.

The program is an agreement between the College of Agricultural Sciences and Natural Resources (CASNR) and community college systems in Nebraska. The 2+2 program requires a student to complete the first two years at a community college and earn an associate of applied science degree before transferring to the University of Nebraska–Lincoln (UNL).

Please see: <http://bulletin.unl.edu/undergraduate/major/Agricultural+Education> for more information.

The Skilled and Technical Sciences Supplemental endorsement can be added to a student's teaching certificate if the student successfully completes ALEC 235 + 1000 work hours + 12 semester hours in a specific skill concentration. Please check with your UNL advisor for additional information.

NEBRASKA DEPARTMENT OF EDUCATION COMPETENCY REQUIREMENT

The Nebraska State Department of Education requires a competency examination for all applications for admission to a teacher education program and a teaching certificate. Students need documentation of proficiency in reading, writing, and mathematics. Successful completion of the **PRAXIS I TEST "Core Academic Skills for Educators" (CORE)** will meet this requirement.

Register online at: www.ets.org/praxis

FORMAT	Praxis I: Core Academic Skills for Educators (CORE) <i>Computer Format</i>
TEST CODES	5712—Reading (2 hour) 5732—Math (2 hour) 5722—Writing (2.5 hour) 5751—Combined (reading, math & writing) 5051—Praxis 2 Industrial Technology
SOCIAL SECURITY NUMBER	PRAXIS says Social Security Number is optional Nebraska Department REQUIRES IT! BE SURE TO LIST YOUR SS NUMBER
CERTIFYING STATE	Certifying State—Nebraska State Agency—Nebraska Department of Education
INSTITUTION CODE	6877—University of Nebraska-Lincoln (Attending Institution) <i>*it's important that score reports be sent to all the above locations</i>
SCORES	156—Reading 162—Writing 150—Math Range (100-200)
COST TO TAKE	\$150 all 3 tests taken same day \$90 for 1 test (retake)
TESTING DATES	By appointment Monday—Saturday (continuous testing dates) Can be taken once every 30 days
LOCAL TESTING PLACE	Prometric Testing (formerly: Sylvan Learning Center) 5715 S. 34 th Street Ste 300 Lincoln, NE
HOW TO REGISTER	Register online at: www.ets.org/praxis Prometric/Sylvan at Lincoln: 402-261-4778 #1 Prometric at Omaha: 402-614-4343 Prometric at Kearney: 308-865-8054 All Centers: 800-853-6773
RESULTS	Score reports available 3-4 weeks after test date for 1 year online by creating a "my praxis account" at www.ets.org . It is recommended you download or print your report for your records.

CORE practice test books are available to check out for **2 weeks**; from Filley 232.

If you are delaying applying to a Professional Education program based on the cost of the CORE exam, please contact Eric Knoll.