

**University of Nebraska - Lincoln (UNL)
Transfer Guides for Community Colleges**

Achievement Centered Education (ACE)

Southeast Community College (All Campuses) College of Engineering

Transfer Guide for Southeast Community College (All Campuses), for UNL's College of Engineering. Guide revised Fall 2011. CONFIRM YOUR COURSE SELECTIONS WITH A UNL COLLEGE ADVISER!

Students anticipating transferring to UNL's College of Engineering may use this guide for selecting Southeast Community College (All Campuses) courses. Check the UNL Bulletin <http://bulletin.unl.edu/undergraduate/index.shtml> for information about specific curriculum requirements or visit the College of Engineering website (<http://engineering.unl.edu>). Students interested in transferring to UNL should communicate regularly with an UNL academic adviser to confirm course selections. To contact an academic adviser in the College of Engineering call (402-472-3181). To facilitate the transfer of credit, all grades should be a "C" or higher. The University of Nebraska - Lincoln applies a maximum of 66 semester hours (99 quarter hours) in transfer from community colleges toward a UNL degree.

IMPORTANT CHANGE: Beginning Fall Semester 2012 UNL will apply 60 semester hours or 90 quarter hours from community colleges toward a UNL degree.

Transfer students must present a minimum cumulative transfer GPA of 2.50 (for Nebraska residents) or 3.0 (for non-residents) on a 4.0 grading scale. Additionally, students must complete specific core requirements. In general, it is very important that students take a least one unit each of physics and chemistry and also complete two units of algebra, one unit of geometry, 1/2 unit of precalculus and 1/2 unit of trigonometry. One unit is considered one year of high school level work or one semester of college level work. Students who do not meet the stated admission criteria may be admitted to the Division of General Studies until they have met all admission requirements.

See (<http://www.engineering.unl.edu/specialty-units/STEP/>) for information and a list of Nebraska community colleges participating in S.T.E.P. (Strengthening Transitions into Engineering Programs), a program offering beginning engineering courses at community colleges. Contact unlstep@unl.edu or (402) 472-4940 with questions.

The programs of study offered by the UNL College of Engineering are very structured and involve specific prerequisites and course sequencing. Students who elect to complete the math, science and all humanities and social science (ACE) requirements prior to transferring to UNL may experience course sequencing problems.

Achievement-Centered Education (ACE) is the UNL general education curriculum. Students must complete at least one 3 hour course to meet the ACE outcome described below. A course may only apply to one outcome. Following is a list of ACE courses recommended for students planning on majoring in this UNL college. The transfer guides vary significantly by UNL college. Thus students considering more than one major should consult the guides for all of the colleges they are considering. Courses may apply to only one ACE outcome. The UNL course numbers are in [] behind the credit hours:

ACE 1 (Complete 3 semester hours minimum): Write texts, in various forms, with an identified purpose, that respond to specific audience needs, incorporate research or existing knowledge, and use applicable documentation and appropriate conventions of format and structure. All College of Engineering majors must complete the equivalent of UNL's JGEN 200 (Technical Communication I). Note: Two English composition courses equivalent to UNL's ENGL 150 AND ENGL 151 (*) may be substituted for the technical writing requirement. Exception-Construction Management requires one English Composition and JGEN 200. (*) If your school does not offer six hours of English composition equivalent to UNL's ENGL 150 and 151, plan to complete the ACE 1 requirement at UNL.

ENGL 1010 Composition I (3) [ENGL150]
ENGL 1020 Composition II (3) [ENGL151]

ACE 2 (3 semester hours minimum): Demonstrate communication competence in one or more of the following ways: (a) by making oral presentations with supporting materials, (b) by leading and participating in problem-solving teams, (c) by employing a repertoire of communication skills for developing and maintaining professional and personal relationships, or (d) by creating and interpreting visual information. COMM 286 Business and Professional Communications (previously COMM 311) is recommended. If your school does not offer courses for the ACE 2 requirement, take the requirement at UNL.

SPCH 1090 Fundamentals of Human Communication (3) [COMM109]
SPCH 1110 Public Speaking (3) [COMM209]
SPCH 2810 Business and Professional Communications (3) [COMM286]

ACE 3: All College of Engineering majors, with the exception of Construction Management, must complete the equivalent of UNL's MATH 106-Analytic Geometry and Calculus I, MATH 107-Analytic Geometry and Calculus II, MATH 208-Analytic Geometry and Calculus III and MATH 221-Differential Equations. Construction Management majors must complete the equivalent of UNL's MATH 106-Analytic Geometry and Calculus I and STAT 218-Intro to Statistics. If your school does not offer courses for the ACE 3 requirement, take the requirement at UNL.

MATH 1600 Calculus and Analytic Geometry I (5) [MATH106]
MATH 1700 Calculus and Analytic Geometry II (5) [MATH107]
MATH 2080 Calculus and Analytic Geometry III (4) [MATH208]
MATH 2200 Differential Equations (3) [MATH221]
MATH 1180 Elementary Statistics (3) [STAT218]

ACE 4: Use scientific methods and knowledge of the natural and physical world to address problems through inquiry, interpretation, analysis, and the making of inferences from data, to determine whether conclusions or solutions are reasonable. The College of Engineering majors are science intensive. Science requirements vary by major. We recommend students complete the equivalent of UNL's CHEM 109 General Chemistry I. Additionally, all majors except Construction Management, require the equivalent of UNL's PHYS 211-General Physics I (this course is calculus-based). Construction Management majors are required to complete the equivalent of UNL's GEOL 101 (Physical Geology for 4 semester credits). Some, but not all, majors require the equivalent of UNL's CHEM 110 General Chemistry II. If your school does not offer courses for the ACE 4 requirement, take the requirement at UNL.

BIOS 1010 General Biology (4) [BIOS101 AND 101L]
CHEM 1090 General Chemistry I (4) [CHEM109]
CHEM 1100 General Chemistry II (4) [CHEM110]
PHYS 2110 College Physics I (5) [PHYS211 and 221]
PHYS 2120 College Physics II (5) [PHYS212 AND 222]

ACE 5: (3 semester hours minimum): Use knowledge, historical perspectives, analysis, interpretation, critical evaluation, and the standards of evidence appropriate to the humanities to address problems and issues. If your school does not offer courses for the ACE 5 requirement, take the requirement at UNL.

ENGL 2100 Intro to Literature (3) [ENGL180]
ENGL 2050 Modern Fiction (3) [ENGL205]
ENGL 2150 Intro to Women's Literature (3) [ENGL215]
ENGL 2140 Intro to Shakespeare (3) [ENGL230A]
ENGL 2440 African-American Literature since 1865 (3) [ENGL244]

ENGL 2470 Asian American Literature (3) [ENGL245A]
ENGL 2450 Intro to Native American Literature (3) [ENGL245N]
ENGL 2460 Chicana and/or Chicano Literature (3) [ENGL345D]
HIST 1000 Western Tradition I (3) [HIST100]
HIST 1010 Western Tradition II (3) [HIST101]
HIST 2010 American History I to 1877 (3) [HIST110 (previously 201)]
HIST 2020 American History II Since 1865 (3) [HIST111 (previously 202)]
PHIL 1010 Intro to Philosophy (3) [PHIL101]

ACE 6 : (3 semester hours minimum): Use knowledge, theories, methods, and historical perspectives appropriate to the social sciences to understand and evaluate human behavior. MNGT 360 is recommended. Construction Management majors must take the equivalent of ECON 211 and 212. If your school does not offer courses for the ACE 6 requirement, take the requirement at UNL.

ANTH 1120 General Anthropology (3) [ANTH110]
ANTH 1020 Intro Cultural Anthropology (3) [ANTH212]
BSAD 2540 Principles of Management (3) [MNGT320]
CRIM 1010 Introduction to Criminal Justice (3) [CRIM101]
ECED 2050 Child with Exceptionalities (3) [SPED201]
ECON 2110 Macroeconomics (3) [ECON211]
ECON 2120 Microeconomics(3) [ECON212]
ECON 1200 Personal Finance (3) [FINA260]
ENR 1050 Intro Entrepreneurship (3) [ENR121]
HMRS 2541 Social Services-Long Term Care Facility (3) [GERO200]
POLS 1000 American Government (3) [POLS100]
POLS 2300 Political Parties (3) [POLS230]
PSYC 1810 Intro to Psychology (3) [PSYC181]
PSYC 2880 Social Psychology (3) [PSYC288]
PSYC 2960 Life-Span Human Development (3) [PSYC289]
SOC 1010 Intro to Sociology (3) [SOC101]
SOC 2010 Social Problems (3) [SOC1201]
SOC 2150 Issues of Unity & Diversity (3) [SOC1217]
SOC 2250 Marriage and Family (3) [SOC1225]

ACE 7 (3 semester hours minimum): Use knowledge, theories, or methods appropriate to the arts to understand their context and significance. If your school does not offer courses for the ACE 7 requirement, take the requirement at UNL.

ARTS 1050 Intro to Art History and Criticism I (3) [AHIS101]
ARTS 1060 Intro to Art History and Criticism II (3) [AHIS102]
ENGL 2520 Fiction Writing (3) [ENGL252]
ENGL 2530 Poetry Writing (3) [ENGL253]
MUSC 1010 Intro to Music (3) [MUNM276G]
MUSC 2800 World Music (3) [MUNM280]
MUSC 2870 History of Rock Music (3) [MUNM287]
SPCH 2050 Oral Performance of Literature (3) [COMM205]
THEA 1010 Intro to Theater (3) [THEA112G]

ACE 8 (3 semester hours minimum): Explain ethical principles, civics, and stewardship, and their importance to society. Construction Management majors must take the equivalent of ECON 211 and ECON 212. If your school does not offer courses for the ACE 8 requirement, take the requirement at UNL.

ECON 2110 Macroeconomics (3) [ECON211]
ECON 2120 Microeconomics(3) [ECON212]
PHIL 1010 Intro to Philosophy (3) [PHIL101]
PHIL 1060 Applied Ethics (3) [PHIL106]
POLS 1000 American Government (3) [POLS100]
SOC 1020 Diversity in Society (3) [ETHN100]

ACE 9 (3 semester hours minimum): Exhibit global awareness or knowledge of human diversity through analysis of an issue. If your school does not offer courses for the ACE 9 requirement, take the requirement at UNL.

ANTH 1120 General Anthropology (3) [ANTH110]
ENGL 2150 Intro to Women's Literature (3) [ENGL215]
ENGL 2440 African-American Literature since 1865 (3) [ENGL244]
ENGL 2470 Asian American Literature (3) [ENGL245A]
ENGL 2450 Intro to Native American Literature (3) [ENGL245N]
ENGL 2460 Chicana and/or Chicano Literature (3) [ENGL345D]
GEOG 1400 Intro to Human Geography (3) [GEOG140]
GEOG 1420 World Regional Geography (3) [GEOG272]
HIST 2100 Survey World History to 1500 (3) [HIST120]
HIST 2110 Survey World History-1500 to Present (3) [HIST121]
HIST 1820 Survey of Asian History (3) [HIST282]
MUSC 2800 World Music (3) [MUNM280]
PHIL 1060 Applied Ethics (3) [PHIL106]
PHIL/RELS 2610 Comparative Religions (3) [RELG108]
POLS 1600 Intro to International Relations (3) [POLS160]
SOC 1020 Diversity in Society (3) [ETHN100]
SOC 2000 Women in Contemporary Society (3) [SOC1200]
SOC 2010 Social Problems (3) [SOC1201]
SOC 2150 Issues of Unity & Diversity (3) [SOC1217]
SOC 2250 Marriage and Family (3) [SOC1225]
SPCH 2110 Intercultural Communication (3) [COMM211]

Programs offered by the College of Engineering do not have a graduation foreign language requirement beyond the UNL admission requirement.

If your school does not offer courses for this requirement, take the requirement at UNL.