Program Transfer Pathway

FROM

Degree: Associates of Science (A.S.)
Major: Academic Transfer

TO

Degree: Bachelor of Science (B.S.)
Major: Physics

Last Updated: October 12, 2026

Catalog Year(s): 2026-2027

This program transfer pathway outlines an 8-semester plan that fulfills all requirements for the program listed above at Southeast Community College alongside the program(s) listed above at the University of Nebraska-Lincoln. While this pathway assumes full-time enrollment (14-16 credits/semester), we recognize that each student has a unique path and is expected to consult with their academic advisor in determining the best path toward degree completion at both institutions. As a full-time student, this pathway allows students to complete both degrees at their respective institutions within a 4-year timeline.

Math and English Sequencing: Math and English readiness might impact the full semester-by-semester program transfer pathway. See your academic advisor for more information.

Course Selection and Pathway Considerations

- Courses that are marked with a * are part of a particular sequence of courses that must be taken in a particular order.
- Course(s) marked with *Italics* have multiple course options for that particular requirement. A list of courses may be selected from the Course Options list. While this list is not an exhaustive list of courses that fulfill each outcome at SCC, it provides a consolidated list of the most applicable courses that will benefit a student in transferring to UNL for this particular program of study. Selecting alternative courses other than what is recommended may impact remaining requirements at UNL. When a course is listed in multiple outcomes, it may be used to fill only one Core requirement.

Courses Taken at Southeast Community College			How Courses Transfer to University of Nebraska-Lincoln		
Semester 1			**Semester 1**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
ACFS 1015	Success@SCC	1	GNCR***	General Elective	1
WC 1	*Any WC ACE 1 Approved Course*	*3*	ACE 1	ACE 1 Approved Course	3
MATH 1600	Calculus I and Analytic Geometry (M/CS #1)	5	MATH 106	Calculus I (ACE 3 and major)	5
CHEM 1090*	General Chemistry I *(NS #1)*	4	CHEM 109A/L	General Chemistry I & Lab (ACE 4 and CDR Lab)	3+1
H	*Any H ACE 5 approved course*	*3*	ACE 5	ACE 5 Approved Course	3
Semester 2			**Semester 2**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
WC 2	*Any WC ACE 1 Approved Course*	*3*	CDR Writing	CDR Writing Course	3
PHYS 2110	General Physics I (NS #2)	5	PHYS 211 &	General Physics I (CDR Science)	4
			PHYS 221	General Physics I Lab	1
MATH 1700	Calculus & Analytic Geometry II (M/CS #2)	5	MATH 107	Calculus II	4
			MATH 1T*@	Math Elective Credit	1
Elective	*Any Elective ACE 8 Approved Course*	3	ACE 8	ACE 8 Approved Course	3
Semester 3			**Semester 3**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
MATH 2080	Calculus & Analytic Geometry III (elective)	4	MATH 208	Calculus III	4
PHYS 2120	*General Physics II (NS #3)*	4	PHYS 212 &	General Physics II	4
			PHYS 222	General Physics II Lab	1
S/BS	*Any S/BS ACE 6 approved course*	*3*	ACE 6	ACE 6 Approved Course	3
C&GS	*Any C&GS ACE 9 Approved Course*	*3*	ACE 9	ACE 9 Approved Course	3
Elective	*Elective from Approved Elective List*	*1*		Verify Transferability with Academic Advisor	1
Semester 4			**Semester 4**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
PHYS 2130	General Physics III (elective)	4	PHYS 213	General Physics III	4
PHYS 2230	General Physics III lab (elective)	1	PHYS 223	General Physics III Lab	1
MATH 2200	Differential Equations (elective)	3	MATH 221	Differential Equations	3
CS	*Any CS ACE 2 Approved Course*	*3*	ACE 2	ACE 2 Approved Course	3
Elective	*ENGL 2450, ENGL 2460, PHIL 1060, SOCI 1010, SOCI 2000, SOCI 2010, or SOCI 2150*	3	CDR Diversity	CDR Diversity and Humanities/ Social Science	3
Total Credits Required for A.S.:		**61**		Total Transfer credits toward B.S.	60
				Total remaining credits required	60

The approved Academic Transfer List is available:
https://catalog.southeast.edu/preview_program.php?catoid=22&poid=3670&returnto=2750

SCC Reviewers: T. Lazarowicz 4/15/2026

UNL University Reviewers: C. Fielder X/XX/2026

Remaining University of Nebraska-Lincoln Coursework

University of Nebraska-Lincoln – Semester 1			University of Nebraska-Lincoln – Semester 2		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
CASC 50	Start Smart in Arts and Sciences	0	PHYS 231	Electrical and Electronic Circuits	3
PHYS 201	Modern Topics in Physics and Astronomy	1	PHYS 451	Electromagnetic Theory	3
PHYS 311	Mechanics	3	PHYS 461	Quantum Mechanics	3
PHYS 431	Thermal Physics	3	PHYS	Major Elective Course	3
CDR	Humanities or Social Science depending on SCC Course	3	XXXX	Elective or Minor Course	3
XXXX	Elective or Minor Course	5			
University of Nebraska-Lincoln – Semester 3			**University of Nebraska-Lincoln – Semester 4**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
PHYS 441	Experimental Physics I (ACE 10)	3	PHYS 442	Experimental Physics II	3
PHYS	Major Elective Course	3	PHYS	Major Elective Course	3
PHYS	Major Elective Course	3	XXXX	Elective or Minor Course	9
XXXX	Elective or Minor Course	6			
		Total credits required to earn both Associates and Bachelor's degrees			121

Notes:

* All equivalent courses must be completed with a grade of "C " or better to transfer for major requirements. Up to 15 credits of "D" and "C-" coursework can transfer toward general degree requirements.
* Developmental coursework will not be included in transfer
* The College of Arts and Science at the University of Nebraska-Lincoln requires completion of the equivalent of the second-year level of one world language in high school or completion of a 102-level language class to meet the CDR Language requirement for a Bachelor of Science. Languages regularly available at SCC include Spanish and American Sign Language.
* Math readiness impacts the full semester-by-semester program transfer pathway.

Experiential Learning

All UNL students must complete at least one approved Experiential Learning course (including 0-credit choices). All Physics majors have many options, but minimally either an internship or research is required for this pathway:

- Internships: Physics students intern in a variety of public and private organizations. Document your experience on your transcript with CASC 95 (0-credit).
- Undergraduate Research: Work with a faculty member on their research or pursue your own research interests through UCARE (Undergraduate Creative Activity and Research Experience), a paid program. Earn credit with PHYS 398 or simply document your experience on your transcript with CASC 98 (0-credit). Up to 3 credits may apply to the major through substitution.
- Education Abroad: Choose from affiliate programs around the world, or travel and learn with a UNL faculty member and fellow students.
- Leadership: Physics majors are active leaders on campus, including serving on ASUN (Associated Students of the University of Nebraska), or as Orientation Leaders, Ambassadors, and Resident Assistants. These significant on-going leadership experiences may be documented on your transcript with CASC 97 (0-credit).

Questions about UNL requirements?

Contact the College of Arts and Sciences Academic and Career Advising Center at casadvising@unl.edu, 402-472-4190.

Associate of Science - Course Options (ACE in Parentheses)
Catalog year(s): 2026-2027
Bolded course is built into the program transfer pathway

Course	Title	Cr	Course	Title	Cr
Written Communication (1st Class) – All classes ACE 1 Approved					
ENGL 1010	English Composition I	3	ENGL 1054	Writing and Communities	3
ENGL 1010H	Composition I Honors	3			
Written Communication (2nd Class) – All classes ACE 1 Approved					
ENGL 1020	English Composition II	3	ENGL 2560	Technical Writing	3
ENGL 1020H	Composition II Honors	3	OFFT 2120	Business Communication Strategies	3
Communication Studies – All classes ACE 2 Approved					
COMM 1090	Fundamentals of Human Communication	3	COMM 2100	Communicating in Groups and Teams	3
COMM 1110	Public Speaking	3	COMM 2810	Business and Professional Communication	3
Mathematics/ Computer Science					
MATH 1150	College Algebra	3	**MATH 1600**	**Calculus I and Analytic Geometry (3)**	**5**
MATH 1200	Trigonometry	3	**MATH 1700**	**Calculus & Analytic Geometry II (3)**	**5**
MATH 1300	Pre-calculus	5	**MATH 2080**	**Calculus & Analytic Geometry III (3)**	**4**
Natural Science with Lab					
CHEM 1090	General Chemistry I (4)	4	PHYS 2110	General Physics I (4)	5
CHEM 1100	General Chemistry II (4)	4	PHYS 2120	General Physics II (4)	5
Humanities (require 1 or 2 of the following)					
Group 1- Literature/Journalism/Communication					
COMM 2100	Communicating in Groups and Teams (2)	3	ENGL 2200	Science Fiction Literature (5)	3
COMM 2750/ POLS 2750	Political Communication	3	ENGL 2220	British Literature Post-1800 (5)	3
ENGL 2050	Modern Fiction (5)	3	ENGL 2440	African American Literature (5,9)	3
ENGL 2100	Introduction to Literature (5)	3	ENGL 2450	Native American Literature (5,9)	3
ENGL 2140	Introduction to Shakespeare (5)	3	ENGL 2460	Latinx Literature (5,9)	3
ENGL 2150	Introduction to Women's Literature (5,9)	3	ENGL 2470	Asian American Literature (5,9)	3
ENGL 2160	Children's Literature (5)	3	JOUR 1810	Introduction to Mass Media	3
ENGL 2170	American Literature from 1865 (5)	3	JOUR 1820	Media Writing	3
Group 2- History/Philosophy					
HIST 1000	Western Tradition to 1500 (5)	3	PHIL 1010	Introduction to Philosophy (5,8)	3
HIST 1010	Western Tradition since 1500 (5)	3	PHIL 1060	Applied Ethics (8,9)	3
HIST 2010	American History I (5)	3	PHIL 1100	Introduction to Logic and Critical Thinking (3)	3
HIST 2020	American History II (5)	3	PHIL 2110	Introduction to Modern Logic (3)	3
HIST 2100	World History to 1500 CE (9)	3	PHIL 2130	Bioethics (5,8)	3
HIST 2110	World History since 1500 CE (9)	3	PHIL 2250	Environmental Ethics (8,9)	3
HIST 2604	World War II	3	PHIL 2610/ RELS 2610	Comparative Religions (9)	3
HIST 2960	Survey of African American History	3	PHIL 2650	Philosophy of Religion (5,9)	3
Group 3- Creative/Fine/Performing Arts					
ARTS 1010	Introduction to the Visual Arts	3	HUMS 1100	Introduction to Humanities	3
ARTS 1050	Introduction to Art History & Criticism I (7)	3	HUMS 1200	Contemporary Arts & Ideas (7)	3
ARTS 1060	Introduction to Art History & Criticism II (7)	3	MUSC 1010	Introduction to Music (Music Appreciation) (7)	3
ARTS 1110	Beginning Drawing I	3	MUSC 1610	Music Theory I	4
ARTS 1330	Beginning Ceramics I	3	MUSC 2750	Introduction to American Music	3
ARTS 2650	Introduction to Native American Art	3	MUSC 2800	Introduction to World Music (7,9)	3
ARTS 2750	Women in Art (7 by substitution)	3	MUSC 2870	History of Rock Music (7)	3
ARTS 2850	History of Photography	3	PHOT 1750	Beginning Photography	3
COMM 2050	Oral Performance of Literature	3	THEA 1010	Introduction to Theatre	3
ENGL 1510	Introduction to Creative Writing (7)	3	THEA 1140	Basic Acting	3
ENGL 2530	Poetry Writing (7)	3	THEA 2130	Film Appreciation (7)	3
Group 4- May select 1 additional class from Group 1, 2, or 3 on the previous page of from the list of language below					
GERM 1010	Beginning German I	5	SIGN 1020	Beginning American Sign Language II	4
GERM 1020	Beginning German II	5	SPAN 1010	Elementary Spanish I	5
SIGN 1010	Beginning American Sign Language I	4	SPAN 1020	Elementary Spanish II	5
Social/Behavioral Sciences (Require 1 or 2 of the following)					
Group 1- Anthropology/Psychology/Sociology					
ANTH 1020	Introduction to Cultural Anthropology (6)	3	PSYC 2880	Social Psychology (6)	3
ANTH 1120	General Anthropology (6,9)	3	SOCI 1010	Introduction to Sociology (6)	3
BIOS 2210	Animal Behavior	3	SOCI 1020	Social Identities in Everyday Life	3
PSYC 1250	Interpersonal Relations (2)	3	SOCI 2000	Gender in Contemporary Society (6,9)	3
PSYC 1810	Introduction to Psychology (6)	3	SOCI 2010	Social Problems (6,9)	3
PSYC 2200	Human Development	3	SOCI 2150	Exploring Unity and Diversity (6,9)	3
PSYC 2210	Animal Behavior	3	SOCI 2250	Marriage and the Family (6,9)	3
Group 2- Economics/ Political Science					
ECON 1200	Personal Finance (6)	3	POLS 1600	International Relations (9)	3
ECON 2110	Principles of Macroeconomics (6)	3	POLS 2020	State & Local Government	3
ECON 2120	Principles of Microeconomics (6)	3	POLS 2270	The Presidency	3
POLS 1000	American Government (6,8)	3	POLS 2300	Political Parties (6)	3
POLS 1040	Comparative Politics	3	POLS 2750/ COMM 2750	Political Communication	3
POLS 1080	Introduction to Political Science	3			

Group 3- Geography/Education/Physical Education

EDUC 1110	Introduction to Professional Education	3	EDUC 2800	Professional Practicum	2
EDUC 2000	Educational Psychology	3	GEOG 1020	World Regional Geography (9)	3
EDUC 2160	Children's Literature (5)	3	GEOG 1400	Human Geography (9)	3
EDUC 2300	Introduction to Special Education	3	GEOG 2810	Introduction to Water Science	3
EDUC 2590	Instructional Technology (2)	3	PHED 1000	Lifetime Wellness	3

Group 4- May select 1 class from Group 1, 2, or 3 above

Culture and Gender Studies

ANTH 1020	Introduction to Cultural Anthropology (6)	3	GLST 1000	Introduction to Global Studies	3
ANTH 1120	General Anthropology (6,9)	3	GLST 2980/2981	Global Studies Experience	3
ARTS 2650	Introduction to Native American Art	3	HIST 2100	World History to 1500 CE (9)	3
ARTS 2750	Women in Art (7 by substitution)	3	HIST 2110	World History since 1500 CE (9)	3
COMM 2110	Intercultural Communication	3	HIST 2960	Survey of African American History	3
ENGL 2150	Introduction to Women's Literature (5,9)	3	HMRS 1320	Multicultural Competency (9)	3
ENGL 2440	African American Literature (5,9)	3	MUSC 2800	Introduction to World Music (7,9)	3
ENGL 2450	Native American Literature (5,9)	3	PHIL 2610/ RELS 2610	Comparative Religions (9)	3
ENGL 2460	Latinx Literature (5,9)	3	POLS 1600	International Relations (9)	3
ENGL 2470	Asian American Literature (5,9)	3	SOCI 1020	Social Identities in Everyday Life	3
EDUC 2300	Introduction to Special Education	3	SOCI 2000	Gender in Contemporary Society (6,9)	3
GEOG 1020	World Regional Geography (9)	3	SOCI 2010	Social Problems (6,9)	3
GEOG 1400	Human Geography (9)	3	SOCI 2150	Exploring Unity and Diversity (6,9)	3