Program Transfer Pathway

FROM Degree: Associate of Science (A.S.)
Major: Data Science

TO Degree: Bachelor of Science (B.S.)
Major: Data Science
College of Engineering

Last Updated: October 13, 2026

Catalog Year(s): 2026-2027

This program transfer pathway outlines a 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.

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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 1300*	Pre-Calculus (Core)	5	MATH 103	College Algebra and Trigonometry	5
NS	Any NS ACE 4 Approved Course with Lab	4	ACE 4	ACE 4 Approved Course and Major	3+1
H	*Any H ACE 5 or 7 approved course*	*3*	ACE 5 or 7	ACE 5 or 7 Approved Course	3
Semester 2			**Semester 2**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
WC 2	*Any WC Approved Course*	*3*	Elective	Elective	3
CSCI 1550	Computer Science I (Core)	4	CSCE 155E	Computer Science I: Systems Engineering Focus	3
			CSCE 1T*@	(will substitute for CSCE 155T) Computer Science Elective	1
MATH 1600*	Calculus & Applied Geometry I (Core)	5	MATH 106	Calculus I (ACE 3)	5
S/BS	*Any S/BS ACE 6 approved course*	*3*	ACE 6	ACE 6 Approved Course	3
Semester 3			**Semester 3**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
MATH 1700*	Calculus & Analytic Geometry II (Core)	5	MATH 107	Calculus II	4
			MATH 1T*@	Math elective	1
CSCI 2311	Data Structures and Algorithms for Informatics	3	CSCE 311	Data Structures And Algorithms For Informatics	3
MATH 2170*	Applied Statistics (Core)	3	STAT 218	Introduction to Statistics	3
C&GS	*Any C&GS ACE 9 Approved Course*	*3*	ACE 9	ACE 9 Approved Course	3
Semester 4			**Semester 4**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
CSCI 2320	Data Science	3	CSCE 320	Data Analysis (pending equivalency review)	3
MATH 2270	Introduction to Statistics II (Core)	3	STAT 318	Intro to Statistics II	3
MATH 2314	Linear Algebra (Core)	3	MATH 314	Linear Algebra (substitutes for MATH 315)	3
NS	Any NS Approved Course with lab	4	XXXXX	Science Major Requirement	3+1
CS	*Any CS ACE 2 Approved Course*	*3*	ACE 2	ACE 2 Approved Course	3
Total Credits Required for A.S.:		**61**		Total Transfer credits toward B.S.	60
				Total remaining credits required	60

SCC Reviewers: T. Lazarowicz 10/13/2026

UNL University Reviewers: N. Franta 9/18/2026

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**
ENGR 30	Transfer Student Engineering Seminar	0	CSCE 361	Software Engineering	3
CSCE 320	Data Analysis	3	Focus Area 1	Focus Area 1 class	3
Focus Area 1	Focus Area 1 class	3	Focus Area 2	Focus Area 2 class	3
Focus Area 2	Focus Area 2 class	3	XXXX	2nd major, minor, or Elective	6
XXXX	2nd major, minor, or Elective	6			
University of Nebraska-Lincoln – Semester 3			**University of Nebraska-Lincoln – Semester 4**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
CSCE 386	Practice and Professional Development: Design and Implementation	3	MATH 435 or CSCE 487	Math in the City (ACE 10) or Computer Science Senior Design Project (ACE 10)	3
CSCE 486	Computer Science Professional Development (ACE 8)	3	XXXX	2nd major, minor, or Elective	12
XXXX	2nd major, minor, or Elective	9			
			Total credits required to earn both Associate's 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.
* No course taken pass/ no pass will be counted toward the major (core requirements and focus areas), unless offered exclusively with a grade option of Pass/ No Pass.
* Students must complete at least 30 of the 120 total hours for their degree at the University of Nebraska–Lincoln. Students must complete at least 17 hours of their major coursework and 15 of the 30 credit hours required at the 300 or 400 level in residence.
* Students are required to complete at least one minor or second major.
* Developmental coursework will not be included in transfer
* Math readiness impacts the full semester-by-semester program transfer pathway.

Questions about UNL requirements?

Contact the College of Engineering Student Services at ess@unl.edu, 402-472-3160.

Southeast COMMUNITY COLLEGE

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 (WC) (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 (WC) (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 (CS) – 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
Natural Science with Lab (NS) (Requires 2 from the following)					
BIOS 1400	Biology I (4)	4	GEOG 1500	Physical Geography (4)	4
BIOS 1410	Biology II (4)	4	GEOL 1010	Physical Geology (4)	4
BIOS 2410	General Genetics	4	PHYS 1410	Elementary General Physics I (4)	5
BIOS 2460	Microbiology	4	PHYS 1420	Elementary General Physics II (4)	5
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 (H) (require 1 of the following)					
ARTS 1010	Introduction to the Visual Arts	3	HIST 2020	American History II (5)	3
ARTS 1050	Introduction to Art History & Criticism I (7)	3	HIST 2100	World History to 1500 CE (9)	3
ARTS 1060	Introduction to Art History & Criticism II (7)	3	HIST 2110	World History since 1500 CE (9)	3
ARTS 1110	Beginning Drawing I	3	HIST 2604	World War II	3
ARTS 1330	Beginning Ceramics I	3	HIST 2960	Survey of African American History	3
ARTS 2650	Introduction to Native American Art	3	HUMS 1100	Introduction to Humanities	3
ARTS 2750	Women in Art	3	HUMS 1200	Contemporary Arts & Ideas (7)	3
ARTS 2850	History of Photography	3	JOUR 1810	Introduction to Mass Media	3
COMM 2100	Communicating in Groups and Teams (2)	3	JOUR 1820	Media Writing	3
COMM/POLS 2750	Political Communication	3	MUSC 1010	Introduction to Music (Music Appreciation) (7)	3
COMM 2050	Oral Performance of Literature	3	MUSC 1610	Music Theory I	4
ENGL 2050	Modern Fiction (5)	3	MUSC 2750	Introduction to American Music	3
ENGL 2100	Introduction to Literature (5)	3	MUSC 2800	Introduction to World Music (7,9)	3
ENGL 2140	Introduction to Shakespeare (5)	3	MUSC 2870	History of Rock Music (7)	3
ENGL 2150	Introduction to Women's Literature (5,9)	3	PHIL 1010	Introduction to Philosophy (5,8)	3
ENGL 2160	Children's Literature (5)	3	PHIL 1060	Applied Ethics (8,9)	3
ENGL 2200	Science Fiction Literature (5)	3	PHIL 1100	Introduction to Logic and Critical Thinking (3)	3
ENGL 2220	British Literature Post-1800 (5)	3	PHIL 2110	Introduction to Modern Logic (3)	3
ENGL 2440	African American Literature (5,9)	3	PHIL 2130	Bioethics (5,8)	3
ENGL 2450	Native American Literature (5,9)	3	PHIL 2250	Environmental Ethics (8,9)	3
ENGL 2520	Fiction Writing (7)	3	PHIL / RELS 2610	Comparative Religions (9)	3
ENGL 2530	Poetry Writing (7)	3	PHIL 2650	Philosophy of Religion (5,9)	3
ENGL 2460	Latinx Literature (5,9)	3	PHOT 1750	Beginning Photography	3
ENGL 2470	Asian American Literature (5,9)	3	THEA 1010	Introduction to Theatre	3
HIST 1000	Western Tradition to 1500 (5)	3	THEA 1140	Basic Acting	3
HIST 1010	Western Tradition since 1500 (5)	3	THEA 2130	Film Appreciation (7)	3
HIST 2010	American History I (5)	3			
Social/Behavioral Sciences (S/BS) (Require 1 of the following)					
ANTH 1020	Introduction to Cultural Anthropology (6)	3	PHED 1000	Lifetime Wellness	3
ANTH 1120	General Anthropology (6,9)	3	POLS 1000	American Government (6,8)	3
BIOS 2210	Animal Behavior	3	POLS 1040	Comparative Politics	3
COMM/ POLS 2750	Political Communication	3	POLS 1080	Introduction to Political Science	3
ECON 1200	Personal Finance (6)	3	POLS 1600	International Relations (9)	3
ECON 2110	Principles of Macroeconomics (6)	3	PSYC 1250	Interpersonal Relations (2)	3
ECON 2120	Principles of Microeconomics (6)	3	PSYC 1810	Introduction to Psychology (6)	3
EDUC 1110	Introduction to Professional Education	3	PSYC 2200	Human Development	3
EDUC 2000	Educational Psychology	3	PSYC 2210	Animal Behavior	3
EDUC 2160	Children's Literature (5)	3	PSYC 2880	Social Psychology (6)	3
EDUC 2300	Introduction to Special Education	3	SOCI 1010	Introduction to Sociology (6)	3
EDUC 2590	Instructional Technology (2)	3	SOCI 1020	Diversity in Society	3
EDUC 2800	Professional Practicum	2	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	Issues of Unity and Diversity (6,9)	3
GEOG 2810	Introduction to Water Science	3	SOCI 2250	Marriage and the Family (6,9)	3

Culture and Gender Studies (C&GS)					
ANTH 1020	Introduction to Cultural Anthropology (6)	3	GLST 2980/2981	Global Studies Experience	3
ANTH 1120	General Anthropology (6,9)	3	HIST 2100	World History to 1500 CE (9)	3
ARTS 2650	Introduction to Native American Art	3	HIST 2110	World History since 1500 CE (9)	3
ARTS 2750	Women in Art	3	HIST 2960	Survey of African American History	3
COMM 2110	Intercultural Communication	3	HMRS 1320	Multicultural Competency (9)	3
ENGL 2150	Introduction to Women's Literature (5,9)	3	MUSC 2800	Introduction to World Music (7,9)	3
ENGL 2440	African American Literature (5,9)	3	PHIL/ RELS 2610	Comparative Religions (9)	3
ENGL 2450	Native American Literature (5,9)	3	POLS 1600	International Relations (9)	3
ENGL 2460	Latinx Literature (5,9)	3	SOCI 1020	Diversity in Society	3
ENGL 2470	Asian American Literature (5,9)	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	Issues of Unity and Diversity (6,9)	3