Program Transfer Pathway

FROM

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

TO

Degree: Bachelor of Science (B.S.)
Major: Mathematics
(All Options)

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
S/BS	*Any S/BS ACE 6 approved course*	*3*	ACE 6	ACE 6 Approved Course	3
Elective	*Any Elective ACE 8 Approved Course*	3	ACE 8	ACE 8 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
MATH 1700*	Calculus & Analytic Geometry II (M/CS #2)	5	MATH 107 +	Calculus II	4
			MATH 1xx	Math Elective	1
NS #1 [A]	Any ACE 4 Approved NS #1 Course	4-5	XXXX	ACE 4 Approved Course	4-5
Elective	*Any Elective ACE 5 approved course*	*3*	ACE 5	ACE 5 Approved Course	3
Semester 3			**Semester 3**		
Course	**Title/ Program Requirement**	**Cr Hrs**	**Course**	**Title/ Program Requirement**	**Cr Hrs**
MATH 2080*	*Calculus & Analytical Geometry III*	4	MATH 208	Calculus III	4
*MATH 2314**	*Linear Algebra*	*3*	MATH 314	Linear Algebra	3
CS	*Any CS ACE 2 Approved Course*	*3*	ACE 2	ACE 2 Approved Course	3
Elective	*Recommended Elective Course*	3	Elective	Elective or Major Option Course	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**
*MATH 2200**	*Differential Equations*	*3*	MATH 221	Differential Equations	3
NS #2 [A]	Any NS #2 Course with Lab	4-5	XXXX	CDR Science w/ Lab	4-5
H G3	*Any H G3 ACE 7 approved course*	*3*	ACE 7	ACE 7 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

[A] Students interested in the "Mathematics of Biological Sciences and Physical Phenomena" option should choose a NS course that is noted with a [A] after it. These are the most appropriate science courses for that option.

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

SCC Reviewers: T. Lazarowicz 10/12/2026

UNL University Reviewers: D. Pellatz & M. Savage 7/29/2026

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	MATH	Math Option Courses	6
MATH	Math Option Courses	6	XXXX	Elective, Minor, or upper-level Course	9
CDR	Humanities or Social Science depending on SCC Course in Semester 4	3			
XXXX	Elective, Minor, or upper-level Course	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**
MATH	Math Option Courses	6	MATH	Math Option Course	6
MATH	Math Option Course (if needed)	3	MATH	Math Option Course (if needed)	3
XXXX	Elective, Minor, or upper-level Course	6	XXXX	Elective, Minor, or upper-level 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.

Options in the Major

Students majoring in Mathematics have five different options available on both the Bachelor of Arts or the Bachelor of Science degree to focus their advanced coursework in ways that meet their specific interests and career goals. All students complete a core set of requirements and can determine, in consultation with faculty and their academic advisor, which specific option and degree to follow. The option will be documented on the final transcript.

Standard Option - Recommended for students wishing to combine a strong education in mathematics with research or a coherent body of coursework in another discipline.

Discrete Mathematics and Cryptography Option- Recommended for students wishing to combine a strong mathematics education with a coherent body of coursework in computer science focused on discrete mathematics and cryptography.

Mathematical Finance Option - Recommended for students interested in a mathematics major and a strong body of coursework in actuarial science and finance.

Mathematics of Biological Sciences and Physical Phenomena Option - Recommended for students interested in a mathematics major and a coherent body of coursework studying areas of biology and the physical world in which we live in a quantitative manner.

Statistics and Data Science Option - Recommended for students interested in a mathematics major and studying data and statistical analysis using a coherent body of coursework in computer science and statistics

Experiential Learning

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

- Internships: Mathematics students intern in a variety of public and private organizations. Earn upper-level elective credit with CASC 395 (1 or 3 credit hours) or simply 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. Learn how to do research in Mathematics by taking MATH 398 (1 to 3 credit hours) and earning science or upper-level elective course credit. You may also simply document your experience on your transcript with CASC 98 (0-credit).
- Teaching: Mathematics students can work for the department as undergraduate learning assistants or Math Resource Center tutors while taking MATH 97 (0-credit).
- Education Abroad: Choose from affiliate programs around the world, or travel and learn with a UNL faculty member and fellow students.
- Leadership: Mathematics 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					
CSCI 1010	Introduction to Computer Science (3)	3	MATH 1400	Applied Calculus (3)	3
CSCI 1550	Computer Science I	4	**MATH 1600**	**Calculus I and Analytic Geometry (3)**	**5**
CSCI 2311	Data Structures and Algorithms for Informatics	3	**MATH 1700**	**Calculus & Analytic Geometry II (3)**	**5**
MATH 1150	College Algebra	3	**MATH 2080**	**Calculus & Analytic Geometry III (3)**	**4**
MATH 1200	Trigonometry	3	MATH 2270	Introduction to Statistics II	3
MATH 1300	Pre-calculus	5	MATH 2314	Linear Algebra	3
Natural Science with Lab					
BIOS 1010	General Biology (4)	4	CHEM 1050	Chemistry and the Citizen (4)	4
BIOS 1090	Plant Biology (4)	4	CHEM 1051 and	Chemistry and the Citizen Lecture	3
BIOS 1120	Introduction to Zoology	4	CHEM 1052	Chemistry and the Citizen Lab	1
BIOS 1140	Human Anatomy	4	CHEM 1090	General Chemistry I (4)	4
BIOS 1400 [A]	Biology I (4)	4	CHEM 1100	General Chemistry II (4)	4
BIOS 1410 [A]	Biology II (4)	4	GEOG 1500	Physical Geography (4)	4
BIOS 2130	Human Physiology	4	GEOL 1010	Physical Geology (4)	4
BIOS 2200	Principles of Ecology	4	PHYS 1030	Astronomy (4)	4
BIOS 2250	Human Anatomy and Physiology I	4	PHYS 1100	Physical Science	4
BIOS 2260	Human Anatomy and Physiology II	4	PHYS 1150	Descriptive Physics (4)	4
BIOS 2410 [A]	General Genetics	4	PHYS 1410	Elementary General Physics I (4)	5
BIOS 2460	Microbiology	4	PHYS 1420	Elementary General Physics II (4)	5
BIOT 1400	Introduction to Biotechnology I (4)	4	PHYS 2110 [A]	General Physics I (4)	5
BIOT 2400	Introduction to Biotechnology II	4	PHYS 2120 [A]	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/ 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/ 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	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	Diversity in Society	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	Issues of 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	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	Diversity in Society	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	Issues of Unity and Diversity (6,9)	3