# Program Transfer Pathway

**FROM**

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

**TO**

Degree: Bachelor of Science (B.S.) or Bachelor of Arts (B.A.)
Major: Biological Sciences
(Human Health & Disease Option)

**Last Updated:** 10/12/2026

**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.

***Note- To Complete this pathway in a 8-semester window, 1 summer class must be completed, which is built into the plan below.***

| 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 & Applied Geometry I (M/CS #1) | 5 | MATH 106 | Calculus I (ACE 3) | 5 |
| CHEM 1090* | General Chemistry I *(NS #1)* | 4 | CHEM 109A/L | General Chemistry I & Lab (CDR Science w/ lab) | 3+1 |
| *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 |
| CHEM 1100* | General Chemistry II (NS #2) | 4 | CHEM 110A/L | General Chemistry II & Lab (major) | 3+1 |
| BIOS 1400* | Biology I *(NS #3)* | 4 | LIFE 120/L | Fundamental of Biology I and Lab (ACE 4) | 3+1 |
| *Elective* | *Any Elective ACE 5 approved course* | *3* | ACE 5 | ACE 5 Approved Course | 3 |
| **Summer** | | | **Summer** | | |
| **Course** | **Title/ Program Requirement** | **Cr Hrs** | **Course** | **Title/ Program Requirement** | **Cr Hrs** |
| *S/BS* [B] | *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** |
| *CS* | *Any CS ACE 2 Approved Course* | *3* | ACE 2 | ACE 2 Approved Course | 3 |
| CHEM 2510 | Organic Chemistry I (Elective) | 4 | CHEM 251 | Organic Chemistry I (major) | 3 |
| | | | CHEM 253 | Organic Chemistry I Lab (major) | 1 |
| BIOS 1410 | Biology II (Elective) | 4 | LIFE 121/L | Fundamentals of Biology II and Lab | 3+1 |
| MATH 2170 | Applied Statistics *(M/ CS #2)* | 3 | STAT 218 | Introduction to Statistics | 3 |
| **Semester 4** | | | **Semester 4** | | |
| **Course** | **Title/ Program Requirement** | **Cr Hrs** | **Course** | **Title/ Program Requirement** | **Cr Hrs** |
| CHEM 2520 [A] | Organic Chemistry II (Elective) | 4 | CHEM 252 | Organic Chemistry II (major) | 3 |
| | | | CHEM 254 | Organic Chemistry II Lab (major) | 1 |
| BIOS 2410 | General Genetics (Elective) | 4 | BIOS 201 | General Genetics | 4 |
| *H G3* | *Any H G3 ACE 7 approved course* | *3* | ACE 7 | ACE 7 Approved Course | 3 |
| *C&GS* | *Any C&GS ACE 9 Approved Course* | *3* | ACE 9 | ACE 9 Approved Course | 3 |
| **Total Credits Required for A.S.:** | | **61** | Total Transfer credits toward B.S. | | 60 |
| | | | Total remaining credits required | | 60 |

[A] Should take this course if considering pre-health related field. Otherwise, consult with an advisor on alternative course options.

[B] Students pursuing pre-health related professional schools may have specific courses that are required. Consult with your advisor to verify which course makes the most sense based on your areas of interest.

SCC Reviewers: T. Lazarowicz 10/12/2026

UNL University Reviewers: M. Savage 8/11/2026

## 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 | BIOS 207 | Ecology and Evolution | 4 |
| BIOS 100 | Pathways to Success in Biological Sciences | 1 | PHYS 142 | Physics for Life Science II | 5 |
| PHYS 141 | Physics for Life Science I | 5 | BIOC 401 or BIOC 431 [B] | Elements of Biochemistry or Biochemistry I: Structure and Metabolism | 3 |
| BIOS xxxx | Foundation Course #1 | 3-5 | XXXX 3/4xx | Upper-level CDR Diversity and Humanities/ Social Science | 3 |
| BIOS 202 | Genetics, Molecular & Cellular Biology Lab | 2 | | | |
| XXXX 3/4xx | Upper-level CDR Humanities or Social Science | 3 | | | |
| **University of Nebraska-Lincoln – Semester 3** | | | **University of Nebraska-Lincoln – Semester 4** | | |
| **Course** | **Title/ Program Requirement** | **Cr Hrs** | **Course** | **Title/ Program Requirement** | **Cr Hrs** |
| BIOS xxxx | Foundation Course #2 | 3-5 | BIOS 99 | Assessment | 0 |
| BIOS 3/4xx | Human Health & Disease Elective #1 | 3-4 | BIOS xxxx | Foundation Course #3 | 3-5 |
| BIOS 4xx | Human Health & Disease ACE 10 Course | 3 | BIOS 3/4xx | Human Health & Disease Elective #2 | 3-4 |
| XXXX 3/4xx | Upper-level Elective | 3 | XXXX 3/4xx | Upper-level Elective | 3 |
| XXXX 3/4xx | Upper-level Elective | 4 | XXXX | Elective, Minor, or Pre-Health Course | 5 |
| | | | Total credits required to earn both Associates and Bachelor's degrees | | 121 |

[B] Students pursuing pre-health related professional schools may have specific courses that are required. Consult with your advisor to verify which course makes the most sense based on your areas of interest.

**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:
    - Fourth-year level of one world language in high school or completion of a 202-level language class to meet the CDR Language requirement for a Bachelor of Arts, OR
    - 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). Biological Sciences majors have many options, including these popular choices:

- Internships: Biological Sciences students intern in a variety of public and private organizations. Earn elective credit with BIOS 395 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. Earn elective credit with BIOS 498 or simply document your experience on your transcript with CASC 98 (0-credit).
- Education Abroad: Choose from affiliate programs around the world, or travel and learn with a UNL faculty member and fellow students.
- Leadership: Biological Sciences 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.

### Additional Advising Resources for Pre-Health Students:

In addition to the academic advisor and career coach you will be assigned in the College of Arts and Sciences, you will also be able to access specialized advising for pre-health students through the Explore Center at UNL. Explore Center advisors are experts in the admissions requirements for a variety of health-related professional schools and can help you plan your application timeline. This includes admissions exams along with the types of experience that will make you competitive, like shadowing, volunteering, clinical experience, and research. Many pre-health programs require specific courses to be taken for admissions purposes, or to be prepared for entrance examinations. More information about the Explore Center at UNL and pre-professional course requirements can be found at https://explorecenter.unl.edu/pre-health-programs/.

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 |
| **Mathematics/ Computer Science (M/CS)** | | | | | |
| CSCI 1010 | Introduction to Computer Science (3) | 3 | MATH 1700 | Calculus & Analytic Geometry II (3) | 5 |
| CSCE 1550 | Computer Science I | 4 | MATH 2070 | Using Math to Understand Our World (3) | 3 |
| CSCE 2311 | Data Structures and Algorithms for Informatics | 3 | MATH 2080 | Calculus & Analytic Geometry III (3) | 4 |
| MATH 1150 | College Algebra | 3 | **MATH 2170** | **Applied Statistics (3)** | **3** |
| MATH 1200 | Trigonometry | 3 | MATH 2270 | Introduction to Statistics II | 3 |
| MATH 1300 | Pre-calculus | 5 | MATH 2314 | Linear Algebra | 3 |
| MATH 1400 | Applied Calculus (3) | 3 | MATH 2350 | Math in the City | 3 |
| **MATH 1600** | **Calculus I and Analytic Geometry (3)** | **5** | | | |
| **Natural Science with Lab (NS)** | | | | | |
| BIOS 1010 | General Biology (4) | 4 | BIOT 2400 | Introduction to Biotechnology II | 4 |
| BIOS 1120 | Introduction to Zoology | 4 | CHEM 1050 | Chemistry and the Citizen (4) | 4 |
| BIOS 1140 | Human Anatomy | 4 | CHEM 1051 and | Chemistry and the Citizen Lecture | 3 |
| **BIOS 1400** | **Biology I (4)** | **4** | CHEM 1052 | Chemistry and the Citizen Lab | 1 |
| **BIOS 1410** | **Biology II (4)** | **4** | **CHEM 1090** | **General Chemistry I (4)** | **4** |
| BIOS 2130 | Human Physiology | 4 | **CHEM 1100** | **General Chemistry II (4)** | **4** |
| BIOS 2250 | Human Anatomy and Physiology I | 4 | PHYS 1410 | Elementary General Physics I (4) | 5 |
| BIOS 2260 | Human Anatomy and Physiology II | 4 | PHYS 1420 | Elementary General Physics II (4) | 5 |
| **BIOS 2410** | **General Genetics** | **4** | PHYS 2110 | General Physics I (4) | 5 |
| BIOS 2460 | Microbiology | 4 | PHYS 2120 | General Physics II (4) | 5 |
| BIOT 1400 | Introduction to Biotechnology I (4) | 4 | | | |
| **Humanities (H) (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 | 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 2520 | Fiction Writing (7) | 3 | THEA 2130 | Film Appreciation (7) | 3 |
| ENGL 2530 | Poetry Writing (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 (S/BS) (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 (C&GS)

| | | | | | |
|---|---|---|---|---|---|
| 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 | 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 |

## Biology Approved Elective Courses

| SCC Course | Title | CR | UNL Equivalent | Title | Cr |
|---|---|---|---|---|---|
| BIOS 1120 | Introduction to Zoology | 4 | BIOS 2T*@ | Biological Science Elective | 4 |
| BIOS 1140 | Human Anatomy | 4 | BIOS 2T*@ | Biological Science Elective | 4 |
| BIOS 2130 | Human Physiology | 4 | BIOS 213 & | Human Physiology | 3 |
| | | | BIOS 213L | Human Physiology Lab | 1 |
| BIOS 2210 | Animal Behavior | 3 | BIOS 2T*@ | Biological Science Elective | 3 |
| BIOS 2250 | Human Anatomy & Physiology I | 4 | BIOS 2T*@ | Biological Science Elective | 4 |
| BIOS 2260 | Human Anatomy & Physiology II | 4 | BIOS 2T*@ | Biological Science Elective | 4 |
| **BIOS 2410** | **General Genetics** | **4** | **BIOS 201** | **General Genetics** | **4** |
| BIOS 2460 | Microbiology | 4 | BIOS 111 | Introduction to Microbiology and Human Health | 4 |
| BIOS 1400 | Introduction To Biotechnology I | 4 | BIOS 1T*@ | Biological Science Elective | 4 |
| BIOT 2400 | Advanced Biotechnology and Biomanufacturing | 4 | BIOS 1T*@ | Biological Science Elective | 4 |
| BIOT 2441 | Quality Assurance for Biosciences | 3 | BIOS 1T*@ | Biological Science Elective | 3 |
| BIOT 2445 | Molecular Biology Techniques | 4 | BIOS 2T*@ | Biological Science Elective | 4 |
| BIOT 2446 | Cell Culture Techniques | 3 | BIOS 2T*@ | Biological Science Elective | 3 |
| BIOT 2450 | Current Topics in Biotech | 3 | BIOS 2T*@ | Biological Science Elective | 3 |
| BIOT 2452 | Bioinformatics | 3 | BIOS 2T*@ | Biological Science Elective | 3 |