



Transfer Credit Ohio

Ohio Guaranteed Transfer Pathways

SOUTHERN STATE COMMUNITY COLLEGE

Biology Associate of Science

EFFECTIVE BEGINNING ACADEMIC YEAR 2024-25

LAST REVISED: September 8, 2025

| GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36 | | COURSE NUMBER | CREDIT HOURS |
|---|--|--|--------------|
| ENGLISH COMPOSITION AND ORAL COMMUNICATION | | | 3 |
| Course 1: | Any Ohio Transfer 36 approved First Writing (TME001) course | ENGL 1100 | 3 |
| MATHEMATICS, STATISTICS, AND LOGIC | | | 5 |
| Course 1: | Calculus I (TMM005) ¹ | MATH 2221 | 5 |
| ARTS AND HUMANITIES | | | 6 |
| + Course 1: | Any Ohio Transfer 36 approved Arts and Humanities course | FNAR 1104, ENGL 22xx or THEA 1121 | 3 |
| + Course 2: | Any Ohio Transfer 36 approved Arts and Humanities course | PHIL 1100, PHIL 1101, or PHIL 1107 | 3 |
| SOCIAL AND BEHAVIORAL SCIENCES | | | 6 |
| + Course 1: | Any Ohio Transfer 36 approved Social and Behavioral Sciences course (Introduction to Psychology (OSS015) recommended for pre-medicine) | PSYC 1100 | 3 |
| + Course 2: | Any Ohio Transfer 36 approved Social and Behavioral Sciences course (Introduction to Sociology (OSS021) recommended for pre-medicine) | SOCI 1170 | 3 |
| NATURAL SCIENCES | | | 10 |
| Course 1: | General Chemistry I with lab (OSC008) | CHEM 1151 and CHEM 1161 | 5 |
| Course 2: | General Chemistry II with lab (OSC009) | CHEM 1152 and CHEM 1162 | 5 |
| ADDITIONAL CREDITS ² | | | 9 |
| Course 1: | Any Ohio Transfer 36 approved Second Writing (TME002) course | ENGL 1102 | 3 |
| Courses: | Up to 7 additional hours of Ohio Transfer 36 approved courses | COMM 1115 | 3 |
| | | Social and Behavioral Sciences Elective (see last page for list) | 3 |
| GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL: | | | 39 |
| Advising Notes: Where it indicates “Any Ohio Transfer 36 approved,” students should work closely with their advisors. (+) indicates that the courses chosen should be from two different areas within that category. ¹ A prerequisite may be needed for a student to reach Calculus I (TMM005) or Life Science Calculus I (TMM024). The math requirement may vary by institution, and students planning to pursue a Bachelor of Arts in Biology may only need Pre-Calculus (TMM002). Check with your academic advisor and your receiving institution to determine the appropriate mathematics course. ² Due to the variability across institutions, students should work with their academic advisor to determine an appropriate program of study and appropriate amount of additional credits to satisfy the Ohio Transfer 36. | | | |

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.



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| PRE-MAJOR/BEGINNING MAJOR | | COURSE NUMBER | CREDIT HOURS |
|---|---|---------------------------------|--------------|
| Course 1: | Biology I (OSC003) | BIOL 1310 | 5 |
| Course 2: | Biology II (OSC004) | BIOL 1320 | 5 |
| Course 3: | Genetics (OSC028) or Calculus-based Physics I with lab (OSC016) or Algebra-based Physics I with lab (OSC014) ¹ | PHYS 2201 (L) or PHYS 2221/2231 | 5 |
| PRE-MAJOR/BEGINNING MAJOR TOTAL: | | | 15 |
| Advising Notes: ¹ The amount and type of physics (calculus or non-calculus-based) required in the biological sciences varies from institution to institution. Many institutions require at least one semester of physics, others none. Please consult with your academic advisor and your receiving institution within the first year of study to determine an appropriate course of study. | | | |

| OTHER RECOMMENDATIONS | | COURSE NUMBER | CREDIT HOURS |
|---|--|---|--------------|
| Courses 1 and 2: | Full-Year Sequence of Organic Chemistry with lab (OSC010) ¹ (Not required but highly recommended for pre-medicine) | See Advisor ² | 0-10 |
| Electives: | General Electives as needed (May include FYE or Orientation course) ³ | Arts and Humanities Elective | 3 |
| | | Ohio Transfer 36 or TAG Elective ⁴ | 0-3 |
| OTHER RECOMMENDATIONS TOTAL: | | | 6-13 |
| Advising Notes: | | | |
| ¹ The statewide transfer guarantee applies to the full-year sequence. All non-sequence coursework will be reviewed on a course-by-course basis by the receiving institution for transfer and application to the major. Not all institutions require Organic Chemistry, although it may be required for students who are pre-medicine. Consult with your academic advisor and your receiving institution. | | | |
| ² Students should consult with their academic advisor for guidance on enrollment in Organic Chemistry. | | | |
| ³ Certain institutions may require two semesters or more of world language for Bachelor of Arts and Bachelor of Science degrees. If so, world language should be taken – check with your receiving institution. Additional recommended pre-major/major coursework may include courses in cell biology or microbiology. Consult with your academic advisor and your receiving institution to determine an appropriate program of study. | | | |
| ⁴ Southern State requires a total of 60 credit hours for degree completion. If students do not take the recommended Organic Chemistry course sequence, they will need to complete 3 credit hours of electives. If students do take the Organic Chemistry course sequence, they do not need to take any elective credit hours. | | | |

| ASSOCIATE DEGREE | Total Credit Hours |
|-------------------------|--------------------|
| ASSOCIATE DEGREE TOTAL: | 60-65 |



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SPECIAL NOTES

Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

Some bachelor-degree granting institutions require additional general education courses outside of the Ohio Transfer 36 and students may be required to take these courses in their junior or senior year. Students will still be able to follow this pathway and complete their bachelor's degree in approximately 60 additional credit hours.

For more information, please contact:

Advising Center

(937) 393-3431 ext. 2825

www.sccc.edu

SAMPLE DEGREE MAP

FIRST YEAR

| SEMESTER 1 | | SEMESTER 2 | |
|--|--------------|--|--------------|
| COURSE NAME & NUMBER | CREDIT HOURS | COURSE NAME & NUMBER | CREDIT HOURS |
| ENGL 1101 English Composition I | 3 | ENGL 1102 English Composition I | 3 |
| BIOL 1101 Principles of Biology I | 5 | BIOL 1102 Principles of Biology II | 5 |
| MATH 2221 Calculus I | 5 | SOCI 1170 Introduction to Sociology | 3 |
| CHEM 1151 First Year Chemistry I and CHEM 1161 First Year Chemistry Lab I | 5 | CHEM 1152 First Year Chemistry II and CHEM 1162 First Year Chemistry Lab II | 5 |
| Total SEMESTER 1 Credit Hours | 18 | Total SEMESTER 2 Credit Hours | 16 |

SECOND YEAR

| SEMESTER 3 | | SEMESTER 4 | |
|---|--------------|--|--------------|
| COURSE NAME & NUMBER | CREDIT HOURS | COURSE NAME & NUMBER | CREDIT HOURS |
| PHYS 2201 General Physics I (Algebra Based) or PHYS 2221 College Physics / PHYS 2231 College Physics Lab I (Calculus Based) | 5 | FNAR 1104 Introduction to the Arts or THEA 1121 Introduction to Theatre | 3 |
| PHIL 1101 Introduction to World Philosophy; PHIL 1100 Critical Thinking; or PHIL 1107 Ethics | 3 | COMM 1115 Fundamentals of Effective Speech | 3 |
| PSYC 1110 Principles of Psychology | 3 | Social & Behavioral Sciences Elective | 3 |
| Arts and Humanities Elective | 3 | Ohio Transfer 36 or TAG Elective | 3-4 |
| Total SEMESTER 3 Credit Hours | 14 | Total SEMESTER 4 Credit Hours | 12-13 |



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OHIO TRANSFER 36 ELECTIVES

Please work closely with your advisor when selecting courses.

| ARTS AND HUMANITIES | Course Number | Credit Hours |
|---|---------------|--------------|
| Introduction to Literature | ENGL 2201 | 3 |
| Women's Literature | ENGL 2207 | 3 |
| Readings in Early British Literature | ENGL 2217 | 3 |
| Readings in Later British Literature | ENGL 2218 | 3 |
| American Literature to 1865 | ENGL 2230 | 3 |
| American Literature after 1865 | ENGL 2235 | 3 |
| Contemporary World Literature | ENGL 2236 | 3 |
| Young Adult Literature | ENGL 2238 | 3 |
| Introduction to Film | ENGL 2240 | 3 |
| Film History | ENGL 2241 | 3 |
| Classical & World Mythology | ENGL 2246 | 3 |
| Critical/Cultural Approaches to Fairytale | ENGL 2247 | 3 |
| Intro to Fine Arts | FNAR 1104 | 3 |
| History of Art I | FNAR 1111 | 3 |
| History of Art II | FNAR 1112 | 3 |
| Music Appreciation I | FNAR 1116 | 3 |
| Music Appreciation II | FNAR 1117 | 3 |
| Critical Thinking | PHIL 1100 | 3 |
| Introduction to World Philosophy | PHIL 1101 | 3 |
| Introduction to Western Philosophy | PHIL 1102 | 3 |
| Ethics | PHIL 1107 | 3 |
| Introduction to Theatre | THEA 1121 | 3 |

| SOCIAL AND BEHAVIORAL SCIENCES | Course Number | Credit Hours |
|----------------------------------|---------------|--------------|
| Principles of Microeconomics | ECON 2205 | 3 |
| Principles of Macroeconomics | ECON 2206 | 3 |
| American History I | HIST 1110 | 3 |
| American History II | HIST 1111 | 3 |
| African American History | HIST 1130 | 3 |
| American Women's History | HIST 1140 | 3 |
| Introduction to World History I | HIST 1151 | 3 |
| Introduction to World History II | HIST 1152 | 3 |
| American Government /(Democracy) | PSCI 1104 | 3 |
| State and Local Government | PSCI 2207 | 3 |

| SOCIAL AND BEHAVIORAL SCIENCE CONT. | Course Number | Credit Hours |
|-------------------------------------|---------------|--------------|
| Principles of Psychology | PSYC 1110 | 3 |
| Lifespan Psychology | PSYC 1111 | 3 |
| Introduction to Diversity | SOCI 1107 | 3 |
| Cultural Anthropology | SOCI 1120 | 3 |
| Introduction to Sociology | SOCI 1170 | 3 |
| Criminology | SOCI 2201 | 3 |

| NATURAL SCIENCES | Course Number | Credit Hours |
|---|---------------|--------------|
| Principles of Biology I (L) | BIOL 1310 | 5 |
| Principles of Biology II (L) | BIOL 1320 | 5 |
| Human Biology I (L) | BIOL 1040 | 4 |
| Human Biology II | BIOL 1050 | 3 |
| Environmental Science | BIOL 1060 | 3 |
| Anatomy & Physiology I (L) | BIOL 1510 | 4 |
| Anatomy & Physiology II (L) | BIOL 1520 | 4 |
| Microbiology (L) | BIOL 2300 | 4 |
| First Year Chemistry I | CHEM 1151 | 4 |
| First Year Chemistry Lab I | CHEM 1161 | 1 |
| First Year Chemistry II | CHEM 1152 | 4 |
| First Year Chemistry Lab II | CHEM 1162 | 1 |
| Introduction to Physical Science (L) | PHYS 1101 | 3 |
| Physical Geology (L) | PHYS 1104 | 4 |
| Astronomy (L) | PHYS 1130 | 3 |
| General Physics I (L) (Algebra Based) | PHYS 2201 | 5 |
| General Physics II (L) (Algebra Based) | PHYS 2202 | 5 |
| College Physics I (Calculus based) | PHYS 2221 | 4 |
| College Physics I Lab (Calculus based) | PHYS 2231 | 1 |
| College Physics II (Calculus based) | PHYS 2222 | 4 |
| College Physics II Lab (Calculus based) | PHYS 2232 | 1 |