



Transfer Credit Ohio

Ohio Guaranteed Transfer Pathways

SINCLAIR COLLEGE

Chemistry Associate of Science

EFFECTIVE BEGINNING ACADEMIC YEAR 2024-25

LAST REVISED: February 21, 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 | ENG 1101 | 3 |
| MATHEMATICS, STATISTICS, AND LOGIC | | | 5 |
| Course 1: | Calculus I (TMM005) ¹ | MAT 2270 | 5 |
| ARTS AND HUMANITIES | | | 6 |
| + Course 1: | Any Ohio Transfer 36 approved Arts and Humanities course | HIS 1111 | 3 |
| + Course 2: | Any Ohio Transfer 36 approved Arts and Humanities course | HUM 1135 | 3 |
| SOCIAL AND BEHAVIORAL SCIENCES | | | 6 |
| + Course 1: | Any Ohio Transfer 36 approved Social and Behavioral Sciences course | PSY 1100 | 3 |
| + Course 2: | Any Ohio Transfer 36 approved Social and Behavioral Sciences course | ECO 2160 | 3 |
| NATURAL SCIENCES | | | 10 |
| Course 1: | General Chemistry I with lab (OSC008) | CHE 1211/1251 | 5 |
| Course 2: | General Chemistry II with lab (OSC009) | CHE 1221/1261 | 5 |
| ADDITIONAL CREDITS ² | | | 8 |
| Course 1: | Any Ohio Transfer 36 approved Second Writing (TME002) course | ENG 1201 | 3 |
| Course 2: | Calculus II (TMM006) | MAT 2280 | 5 |
| GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL: | | | 38 |
| <p>Advising Notes:</p> <p>Where it indicates "Any Ohio Transfer 36 approved," students should work closely with their advisors.</p> <p>(+) indicates that the courses chosen should be from two different areas within that category.</p> <p>¹A prerequisite may be needed for a student to reach Calculus I (TMM005).</p> <p>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 credits to satisfy the Ohio Transfer 36.</p> | | | |

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: | Calculus-based Physics I with lab (OSC016) ¹ | PHY 2201/2207 | 5 |
| Course 2: | Calculus-based Physics II with lab (OSC017) ¹ | PHY 2202/2208 | 5 |
| Course 3: | Full-Year Sequence of Organic Chemistry with lab (OSC010) ² | CHE 2111/2151 & CHE 2121/2161 | 10 |
| PRE-MAJOR/BEGINNING MAJOR TOTAL: | | | 20 |
| Advising Notes: ¹ Algebra-based Physics I and II (OSC014 and OSC015) may be accepted. Please check with your receiving institution. ² 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. | | | |

| OTHER RECOMMENDATIONS | | COURSE NUMBER | CREDIT HOURS |
|--|--|---------------------------------|--------------|
| Electives: | General Electives as needed (May include FYE or Orientation course) ¹ | COM 2206, COM 2211, or COM 2225 | 3 |
| | | SOC 1145 | 3 |
| OTHER RECOMMENDATIONS TOTAL: | | | 6 |
| Advising Notes: ¹ Certain institutions may require two semesters or more of foreign language for Bachelor of Arts and Bachelor of Science degrees. If so, foreign language should be taken. Additional recommended coursework includes Calculus III (OMT018) or Elementary Differential Equations (OMT020). For students interested in biochemistry or pre-medicine, biology courses are recommended. Please work with your academic advisor and your receiving institution to determine an appropriate course of study. | | | |

| ASSOCIATE DEGREE | Total Credit Hours |
|-------------------------|--------------------|
| ASSOCIATE DEGREE TOTAL: | 64 |

| SPECIAL NOTES |
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| Some bachelor-degree granting business 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: Academic Advising academicadvising@sinclair.edu (937) 512-3700 |



SAMPLE DEGREE MAP

FIRST YEAR

| SEMESTER 1 | | SEMESTER 2 | |
|--|--------------|---|--------------|
| COURSE NAME & NUMBER | CREDIT HOURS | COURSE NAME & NUMBER | CREDIT HOURS |
| CHE 1211/1251 General Chemistry I with Lab | 5 | CHE 1221/1261 General Chemistry II with Lab | 5 |
| ENG 1101 English Composition I | 3 | ENG 1201 English Composition II | 3 |
| MAT 2270 Calculus & Analytical Geometry I | 5 | MAT 2280 Calculus & Analytical Geometry II | 5 |
| COM 2206, COM 2211, or COM 2225 | 3 | HIS 1111 Western Civilization I | 3 |
| Total SEMESTER 1 Credit Hours | 16 | Total SEMESTER 2 Credit Hours | 16 |

SECOND YEAR

| SEMESTER 3 | | SEMESTER 4 | |
|---|--------------|--|--------------|
| COURSE NAME & NUMBER | CREDIT HOURS | COURSE NAME & NUMBER | CREDIT HOURS |
| CHE 2111/2151 Organic Chemistry I with Lab | 5 | CHE 2121/2161 Organic Chemistry II with Lab | 5 |
| HUM 1135 Environmental Ethics | 3 | ECO 2160 Principles of Macroeconomics | 3 |
| PSY 1100 General Psychology | 3 | PHY 2201/2208 Calculus-based Physics II with lab | 5 |
| PHY 2201/2207 Calculus-based Physics I with lab | 5 | SOC 1145 Introduction to Cultural Anthropology | 3 |
| Total SEMESTER 3 Credit Hours | 16 | Total SEMESTER 4 Credit Hours | 16 |