

**COLLEGE:** Sinclair College

**ODE CAREER FIELD:** Engineering & Science Technologies

**ODE PATHWAY:** Engineering & Design

**SINCLAIR PROGRAM:** Chemistry

61 Credit Hours - Associate of Science

CHEE.S.AS

|  |                     |  |   |  |   |  |  |  |
|--|---------------------|--|---|--|---|--|--|--|
| <b>HIGH SCHOOL</b>   | <b>Freshman</b>     | English I (1)                          | Algebra & Geometry or<br>Algebra I (1)                | Physical Science (1)   | Social Studies (1)  | Health (.5)<br>Physical Education (.5)                   | Career Field Exploration                                 | Fine Arts/Foreign<br>Language/Business Elective<br>(1)   |
|  | <b>Sophomore</b>    | English II (1)                         | Geometry or Algebra II (1)                            | Biology or Life Science (1)  | US History (1)  | Technology<br>Elective (1)                               | Career Pathway Foundation                                | Fine Arts/Foreign<br>Language/Business Elective<br>(1)   |
|  | <b>Junior</b>       | English III (1)                        | Algebra II / Adv Algebra II &<br>Trigonometry (1)     | Advanced study in Life or<br>Physical Science <b>OR</b><br>Earth/Space Science (1) | US Govt (.5)<br>Economics and Financial<br>Literacy Social Studies<br>Elective (.5) | Career Tech<br>Engineering & Science<br>Technologies (1) | Career Tech<br>Engineering & Science<br>Technologies (1) | Career Tech<br>Engineering & Science<br>Technologies (1) |
|  | <b>Senior</b>       | English IV (1)                         | College Math or Calculus (1)                          | Physics (1)  | Psychology, Sociology or<br>Social Studies Elective (1)                             | Career Tech<br>Engineering & Science<br>Technologies (1) | Career Tech<br>Engineering & Science<br>Technologies (1) | Career Tech<br>Engineering & Science<br>Technologies (1) |
| Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.  |                     |  |   |  |   |  |  |  |
| <b>COLLEGE</b>   | <b>1st Semester</b> | • CHE 1211<br>General Chemistry I (5)  | • ENG 1101<br>English Composition I (3)               | SCC 1101<br>First Year Experience (1)  | • MAT 2270<br>Calculus & Analytic<br>Geometry I (5)                                 |  |  |  |
|  | <b>2nd Semester</b> | • CHE 1221<br>General Chemistry II (5) | • ENG 1201<br>English Composition II (3)              | MET 1131<br>PC Applications for<br>Engineering Technology (1)                      | • COM 2206<br>Interpersonal Communication<br>(3) <b>OR</b>                          | • COM 2211<br>Effective Public Speaking (3) <b>OR</b>    | • COM 2225<br>Small Group Communication<br>(3)           |  |
|  | <b>3rd Semester</b> | • CHE 2111<br>Organic Chemistry I (5)  | • MAT 2290<br>Calculus & Analytic<br>Geometry III (5) | Multicultural Elective (3)   | • OTM<br>Arts & Humanities Elective (6)   |  |  |  |
|  | <b>4th Semester</b> | • CHE 2121<br>Organic Chemistry II (5) | • OTM<br>Social & Behavioral Sciences<br>Elective (6) | • MAT 2280<br>Calculus & Analytic<br>Geometry II (5)                               |   |  |  |  |
| • = Courses guaranteed to transfer to Ohio's public institutions of higher education   |                     |  |   |  |   |  |  |  |
| Indicates eligible college course opportunities via Proficiency credit or Articulated Award credit.  |                     |  |   |  |   |  |  |  |
| ■ Indicates Career-Technical Assurance Guides (CTAG)-approved transfer credit. The high school or career center is responsible for sending the proper documentation, along with the Verification of Course/Program Completion form to the college in order for credits to be posted on a student's transcript. |                     |  |   |  |   |  |  |  |
| Required Courses (credit hours)  |                     |  |   |  |   |  |  |  |
| Recommended Elective Courses   |                     |  |   |  |   |  |  |  |

revised: 7/22/2019

*Please note: This template does not provide department approved course sequences for students to follow. That is, the courses may be presented out of order. It is best for students to consult with an academic advisor in order to plan a semester by semester course schedule in order to meet the requirements for their certificates and degree programs.*