

# Science Transfer Pathway (P1042C)

## Career and College Promise

High school students in the Associate in Sciences CCP College Transfer Pathway must complete the entire pathway before taking additional courses in the AS degree (with the exception of math courses beyond MAT 271). To be eligible for enrollment, a high school student must:

|                                      |   |
|--------------------------------------|---|
| 1) Be a high school junior or senior | 2) Have a weighted GPA of 3.0 in high school courses; and meet the testing requirements for the pathway (if applicable) |
|--------------------------------------|---|

The Associate in Science College Transfer Pathway (ASCTP) is designed for students who wish to begin study toward the Associate in Science degree and a baccalaureate degree in a STEM or technical major. The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC) component of the Comprehensive Articulation Agreement (CAA). A student may take up to 8 credit hours of a foreign language and labs in a single language as designated in the CAA. These language courses are not part of the UGETC. Students who complete the courses with a "C" or higher will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or and elective credit.

**Testing Requirements for the Science Transfer Pathway are found at [www.cpc.edu/hsprograms](http://www.cpc.edu/hsprograms). Students must demonstrate college readiness in English, Reading, and Math.**

### English Composition (Take 2 courses / 3 credit hours each)

|  |   |  |
|--|---|--|
| ENG 111: Writing and Inquiry   | 3 |  |
| ENG 112: Writing/Research in the Disciplines (Pre-req: ENG 111 with a C or better) | 3 |  |

### Humanities, Fine Arts and Communications (Select any 2 courses below / 3 credit hours each)

Select two courses from the following and from at least two different subject areas

|                                   |                                  |                                       |   |  |
|-----------------------------------|----------------------------------|---------------------------------------|---|--|
| ART 111: Art Appreciation         | ENG 241: British Literature I**  | *Pre-req: ENG 111 with a C or better  | 3 |  |
| ART 114: Art History Survey I     | ENG 242: British Literature II** |                                       |   |  |
| ART 115: Art History Survey II    | MUS 110: Music Appreciation      | **Pre-req: ENG 112 with a C or better | 3 |  |
| COM 231: Public Speaking          | MUS 112: Introduction to Jazz    |                                       |   |  |
| ENG 231: American Literature I**  | PHI 215: Philosophical Issues*   |                                       |   |  |
| ENG 232: American Literature II** | PHI 240: Introduction to Ethics* |                                       |   |  |

### Social and Behavioral (Select any 2 courses below / 3 credit hours each)

Select two courses from the following and from at least two different subject areas

|                                       |                                    |   |  |
|---------------------------------------|------------------------------------|---|--|
| ECO 251: Principles of Microeconomics | HIS 131: American History I        | 3 |  |
| ECO 252: Principles of Macroeconomics | HIS 132: American History II       |   |  |
| HIS 111: World Civilizations I        | POL 120: American Government       | 3 |  |
| HIS 112: World Civilizations II       | PSY 150: General Psychology        |   |  |
|                                       | SOC 210: Introduction to Sociology |   |  |

### Mathematics (Select any 2 courses below / 4 credit hours each)

|  |   |   |  |
|--|---|---|--|
| MAT 171: Precalculus Algebra                                     | MAT 271: Calculus I                                 | 4 |  |
| MAT 172: Precalculus Trigonometry (Pre-req: MAT 171 C or higher) | (Pre-req: MAT 172 C or higher)                      |   |  |
| MAT 263: Brief Calculus (Pre-req: MAT 171 C or higher)           | MAT 272: Calculus II (Pre-req: MAT 271 C or higher) | 4 |  |

### Natural Sciences (2 courses / 4 credit hours each) Select one of the following groupings, but do not have to be taken in same semester

|  |   |  |
|--|---|--|
| AST 151 and 151A General Astronomy and Lab & BIO 110: Principles of Biology  | 4 |  |
| BIO 110: Principles of Biology & GEL 111: Introductory Geology   | 4 |  |
| BIO 111: General Biology I & BIO 112: General Biology II (Pre-req: BIO 111 with a C or better)                                     | 4 |  |
| CHM 151 General Chemistry I & CHM 152 General Chemistry II (Pre-req CHM 151 with a C or better)                                    | 4 |  |
| GEL 111: Introductory Geology & AST 151 and 151A: General Astronomy and Lab  | 4 |  |
| PHY 110 and 110A: Conceptual Physics and Lab & GEL 111: Introductory Geology   | 4 |  |
| PHY 151: College Physics I (Pre-req MAT 171 with a C or better) & PHY 152: College Physics II (Pre-req PHY 151 with a C or better) | 4 |  |
| PHY 251: General Physics I (Pre-req MAT 271 with a C or better) & PHY 252: General Physics II (Pre-req PHY 251 with a C or better) | 4 |  |
| PHY 110 and 110A: Conceptual Physics and Lab & BIO 110: Principles of Biology  | 4 |  |

### Other required Courses (Take 1 course below / 1 credit)

|                                   |   |  |
|-----------------------------------|---|--|
| ACA 122: College Transfer Success | 1 |  |
|-----------------------------------|---|--|

**Total credit hours 35**