**COURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS (Courses printed in dark text are required.)**

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| CONTENT AREA | COURSE NUMBER AND COURSE TITLE | TOTAL  CREDITS |
| ENGLISH & COMMUNICATION | **ENG 121: ENGLISH COMPOSITION I (REQUIRED)**  **ENG 122: ENGLISH COMPOSITION II (REQUIRED)** | 6 |
| MATHEMATICS | **MAT 201: CALCULUS I (REQUIRED)** | 5 |
| ARTS & HUMANITIES  (SELECT TWO) | ART 110: ART APPRECIATION HUM 122: MEDIEVAL-MODERN MUS 120: MUSIC APPRECIATION PHI 112: ETHICS | 6 |
| HISTORY  (SELECT ONE) | HIS 122: U.S. HISTORY SINCE CIVIL WAR  HIS 244: HISTORY OF LATIN AMERICA HIS 247: CENTURY WORLD HISTORY | 3 |
| SOCIAL & BEHAVIORAL SCIENCES | PSY 101: GENERAL PSYCHOLOGY  PSY 235: HUMAN GROWTH AND DEVELOPMENT | 6 |
| NATURAL & PHYSICAL SCIENCES | **BIO 111: GENERAL COLLEGE BIOLOGY I WITH LAB (REQUIRED) CHE 111: GENERAL COLLEGE CHEMISTRY I WITH LAB (REQUIRED)** | 10 |
| GENERAL EDUCATION CREDITS | | 36 |

**ADDITIONAL REQUIRED COURSES FOR BIOLOGY, A.S.**

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| CONTENT AREA | COURSE NUMBER AND COURSE TITLE | TOTAL CREDITS |
| NATURAL & PHYSICAL  SCIENCES | **BIO 112: GENERAL COLLEGE BIOLOGY II WITH LAB (REQUIRED)** | 5 |
| NATURAL & PHYSICAL  SCIENCES | **CHE 112: GENERAL COLLEGE CHEMISTRY II WITH LAB (REQUIRED)** | 5 |
| NATURAL & PHYSICAL  SCIENCES | **PHY 111: PHYSICS: ALGEBRA BASED I WITH LAB (FALL ONLY) (REQUIRED)** | 5 |
| NATURAL & PHYSICAL  SCIENCES | **PHY 112: PHYSICS: ALGEBRA BASED II WITH LAB (SPRING ONLY) (REQUIRED)** | 5 |
| ADDITIONAL PROGRAM CREDITS | | 20 |

**ELECTIVE COURSES**

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| COURSE NUMBER AND COURSE TITLE | TOTAL CREDITS |
| Mat 166: Pre-Calculus (5 credits) Students that are not required to take MAT166 prior to taking MAT201 may take any 4 credit GT Pathways elective instead to meet the 60 credit degree requirement. | 4-5 |
| TOTAL CREDIT HOURS | 60-61 |

(The department recommends taking the courses in this order to complete the degree.   
FOR COURSES THAT ARE NOT REQUIRED: If you cannot register for the course on this map or want to take one that is not listed, please talk to your pathway advisor.)

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| SEMESTER 1 | ­ CREDITS |
| **ENG 121: English Composition I (REQUIRED)** | 3 |
| **BIO 111: General College Biology I with Lab (REQUIRED)** | 5 |
| MAT 166: Pre-Calculus2 | 5 |
| PSY 101: General Psychology | 3 |
| SEMESTER CREDITS | 16 |
| SEMESTER 2 | ­ CREDITS |
| **BIO 112: General College Biology II with Lab (REQUIRED)** | 5 |
| **ENG 122: English Composition II (REQUIRED)** | 3 |
| **MAT 201: Calculus I (REQUIRED)** | 5 |
| HIS 122: U.S. History Since Civil War OR HIS 244: History of Latin America OR HIS  247: Century World History | 3 |
| SEMESTER CREDITS | 16 |
| SEMESTER 3 | ­ CREDITS |
| **CHE 111: General College Chemistry I With Lab (REQUIRED)** | 5 |
| **PHY 111: Physics: Algebra Based I With Lab (FALL ONLY) (REQUIRED)** | 5 |
| PSY 235: Human Growth And Development | 3 |
| ART 110: Art Appreciation OR HUM 122: Medieval-Modern OR MUS 120: Music  Appreciation OR PHI 112: Ethics | 3 |
| SEMESTER CREDITS | 16 |
| SEMESTER 4 | ­ CREDITS |
| **CHE 112: General College Chemistry II With Lab (REQUIRED)** | 5 |
| **PHY 112: Physics: Algebra Based II With Lab (SPRING ONLY) (REQUIRED)** | 5 |
| ART 110: Art Appreciation OR HUM 122: Medieval-Modern OR MUS 120: Music  Appreciation OR PHI 112: Ethics | 3 |
| SEMESTER CREDITS | 13 |

1Placement into courses is dependent on test scores or credit for prior learning. See a Pathways Advisor for details. Plans that include ESL, CCR, and AAA courses will increase the total number of hours to completion.

2Students that are not required to take MAT166 prior to taking MAT201 may take any 4-credit GT Pathways elective. See a Pathway Advisor for details.