

# Science and/or Mathematics Associate of Applied Science

These courses fulfill the science and mathematics requirements for the Associate of Applied Science (AAS) degree. Please refer to your specific degree for a list of all requirements.

## A. Mathematics

|          |  |   |
|----------|--|---|
| MATH 116 | Intermediate Algebra*                      | 3 |
| MATH 118 | Geometry*                                  | 3 |
| MATH 120 | Business Mathematics*                      | 3 |
| MATH 130 | Technical Mathematics I*                   | 3 |
| MATH 131 | Technical Mathematics II*                  | 3 |
| MATH 165 | Finite Mathematics*                        | 3 |
| MATH 171 | College Algebra*                           | 3 |
| MATH 172 | Trigonometry*                              | 3 |
| MATH 173 | Precalculus*                               | 5 |
| MATH 175 | Discrete Mathematics and its Applications* | 3 |
| MATH 181 | Statistics*                                | 3 |
| MATH 225 | Mathematics as a Decision Making Tool*     | 3 |
| MATH 231 | Business and Applied Calculus I*           | 3 |
| MATH 232 | Business and Applied Calculus II*          | 3 |
| MATH 241 | Calculus I*                                | 5 |
| MATH 242 | Calculus II*                               | 5 |
| MATH 243 | Calculus III*                              | 5 |
| MATH 254 | Differential Equations*                    | 4 |

## B. Life Science

|          |  |   |
|----------|--|---|
| BIOL 121 | Introductory Biology for Non-Majors      | 4 |
| BIOL 124 | Oceanus: Essentials of Oceanography      | 3 |
| BIOL 125 | General Botany                           | 5 |
| BIOL 127 | General Zoology                          | 5 |
| BIOL 130 | Environmental Science                    | 3 |
| BIOL 131 | Environmental Science Lab*               | 1 |
| BIOL 134 | Principles of Sustainability             | 3 |
| BIOL 135 | Principles of Cell and Molecular Biology | 4 |
| BIOL 140 | Human Anatomy                            | 4 |
| BIOL 144 | Human Anatomy and Physiology*            | 5 |
| BIOL 150 | Biology of Organisms*                    | 5 |
| BIOL 225 | Human Physiology*                        | 4 |
| BIOL 230 | Microbiology*                            | 3 |
| BIOL 231 | Microbiology Lab*                        | 2 |

## C. Physical Science

|          |   |   |
|----------|---|---|
| ASTR 120 | Fundamentals of Astronomy                     | 3 |
| ASTR 122 | Astronomy                                     | 4 |
| CHEM 120 | Chemistry in Society*                         | 4 |
| CHEM 122 | Principles of Chemistry*                      | 5 |
| CHEM 124 | General Chemistry I Lecture*                  | 4 |
| CHEM 125 | General Chemistry I Lab                       | 1 |
| CHEM 131 | General Chemistry II Lecture*                 | 4 |
| CHEM 132 | General Chemistry II Lab*                     | 1 |
| CHEM 140 | Principles of Organic & Biological Chemistry* | 5 |
| GEOS 130 | General Geology                               | 5 |

|          |                          |   |
|----------|--------------------------|---|
| GEOS 140 | Physical Geography       | 3 |
| GEOS 141 | Physical Geography Lab*  | 2 |
| GEOS 145 | World Regional Geography | 3 |
| PHYS 130 | College Physics I*       | 5 |
| PHYS 131 | College Physics II*      | 5 |
| PHYS 220 | Engineering Physics I*   | 5 |
| PHYS 221 | Engineering Physics II*  | 5 |
| PSCI 120 | Physical Science         | 4 |

**Total Program Hours: 3**

Note: MATH 173 is not available for credit to students who have completed MATH 171 and/or MATH 172. Students who have credit in MATH 173 will not receive credit for MATH 171 and/or MATH 172.