NATURAL SCIENCE
Associate in Science Degree

Program Description
This program is for students who desire a broad study in the natural science disciplines that include biology, chemistry, physics, and the health sciences. The natural science curriculum is designed to prepare students for careers in a variety of fields in science and industry including the life sciences, education, conservation, and as technicians in laboratory research. The program includes a three semester math component to prepare students for the computation rigors required to be successful in the sciences. The skills acquired by natural science majors contribute greatly to their ability to work in teams and think critically. This program provides the foundation for students who plan to attend a four-year institution and major in a science area.

Program Outcomes
At the completion of this program, the student should be able to:

• Think critically using the scientific method and scientific reasoning
• Communicate scientific information (orally and in writing) and work as part of a team to carry out project-based activities
• Use laboratory investigations and appropriate procedures to generate accurate and meaningful quantitative and qualitative data and derive reasonable conclusions from them
• Demonstrate technical, equipment, and measurement skills essential to basic scientific inquiry

The College Core Requirements
- Computers Science Core 3 credits
- ENG 101 English Composition I 3 credits
- ENG 102 English Composition II 3 credits
- History/Government Core 3 credits
- IDS 167 First Year Seminar 3 credits
- MAT 103 College Algebra 3 credits
- Natural Science Core w/lab 4 credits
- Social Science/Psychology Core 3 credits

Program Requirements
- Program Electives* 20 credits
- Math Electives* 6-8 credits
- General Electives 9-12 credits

Minimum credits required for graduation 60-65 credits

Program Electives
- BIO 106 Nutrition w/lab 4 credits
- BIO 111 General Biology I w/lab 4 credits
- BIO 112 General Biology II w/lab* 4 credits
- BIO 131 Anatomy & Physiology I w/lab* 4 credits
- BIO 132 Anatomy & Physiology II w/lab* 4 credits
- BIO 160 Marine Ecology w/lab* 4 credits
- BIO 251 Microbiology w/lab* 4 credits
- BIO 204 Genetics w/lab* 5 credits
- CHE 103 Intro to Forensic Science w/lab 4 credits
- CHE 121 General Chemistry I w/lab* 4 credits
- CHE 122 General Chemistry II w/lab* 4 credits
- CHE 141 Introduction to Chemistry w/lab 4 credits
- CHE 213 Organic Chemistry I w/lab* 5 credits
- CHE 214 Organic Chemistry II w/lab* 5 credits
- ENV 101 Intro to Environmental Studies w/lab 4 credits
- PHY 111 General Physics I w/lab* 4 credits
- PHY 112 General Physics II w/lab* 4 credits
- PHY 211 College Physics I w/lab* 4 credits
- PHY 212 College Physics II w/lab* 4 credits

Math Electives
- MAT 106 Quantitative Reasoning 3 credits
- MAT 107 Statistics 3 credits
- MAT 113 Precalculus* 3 credits
- MAT 204 Calculus I B* 3 credits
- MAT 205 Linear Algebra* 3 credits
- MAT 206 Calculus II B* 3 credits
- MAT 208 Multivariate Calculus B* 4 credits
- MAT 209 Finite Mathematics* 3 credits
- MAT 210 Discrete Mathematics* 4 credits
- MAT 211 Introduction to Mathematical Proofs* 3 credits
- MAT 217 Advanced Statistics* 3 credits
- MAT 225 Differential Equations* 4 credits

Additional Information
1. Natural Science Core: Recommended to complete BIO 111.
*Indicates course requires the completion of a prerequisite.