



1. Title: Associate of Arts: Liberal Arts: **Emphasis in Science**
2. Summary of Goals—Learning Outcomes:
Students will demonstrate a strong factual framework of knowledge about the natural world and be able to use critical thinking skills to build on that framework; they will incorporate new observations and use a variety of experimental and analytical techniques, as well as data collection and display methods, to construct this understanding.
3. Course Listing: Choose any combination from the following list to total at least 18 units. Must include three courses that include a laboratory. Students should check with a counselor to see which courses will transfer to their target university.

Anthropology G185 – Physical Anthropology (3)
Anthropology G185L – Physical Anthropology Lab (1)
Astronomy G100 – Introduction to Astronomy (3)
Astronomy G100L – Introduction to Astronomy Lab (1)
Biology G100/G100H—Introduction to Biology (4)
Biology G104 – Marine Life (3)
Biology G104L –Marine Life Laboratory (1)
Biology G110 – Ecology and Field Biology (3)
Biology G120 – Man and Disease (3)
Biology G221 – Introduction to Anatomy and Physiology (4)
Biology G160 – Physiology and Disease Mechanisms (3)
Biology G220 – Human Anatomy (4)
Biology G225 – Human Physiology (4)
Biology G180 – Cell and Molecular Biology (5)
Biology G182 – Zoology (4)
Biology G183 – Botany (4)
Biology G200 – Introduction to Pharmacology (3)
Biology G210 – General Microbiology (5)
Chemistry G110 – Introduction to Chemistry (5)
Chemistry G130 – Preparation for General Chemistry (4)
Chemistry G180 – General Chemistry A (5)
Chemistry G185 – General Chemistry B (5)
Chemistry G220 – Organic Chemistry A (5)
Chemistry G225 – Organic Chemistry B (5)
Geography G180 – Introduction to Geography: Physical Geography (3)
Geology G110 – Physical Geology (4)
Geology G105 – General Geology (3)
Geology G106 – Earth Science for Teachers (4)
Physical Science G100/G100H – Introduction to Physical Science (4)
Physics G110 – Conceptual Physics (3)
Physics G111 – Conceptual Physics Lab (1)
Physics G120 – Algebra Based Physics: Mechanics (4)
Physics G125 – General Physics: Light, Magnetism, Electricity, Atomic Physics (4)
Physics G185 – General Physics: Mechanics and Sound (4)
Physics G280 – General Physics: Electricity and Magnetism (4)
Physics G285 – General Physics: Heat, Light and Atomic Physics (4)
Psychology G250 – Psychobiology (3)
Mathematics – one class at level of Math 115 or above

Required Subtotal:	18 units
Completion of GE Requirements:	21-41 units
Additional Electives (as needed to reach 60)	_____
Degree Total	60 units

