



# BIOLOGICAL AND PHYSICAL SCIENCE

## Associate of Science Degree (Code#1080)

Revised for 2009 – 2010

### REQUIREMENTS FOR THE MAJOR:

COURSE NO.	TITLE	UNITS
<b>Take any 8 units from the following:</b>		
BIOSCI 100	General Biology	4
BIOSCI 106	Organismal & Environmental Biology	4
BIOSCI 107	Molecular & Cellular Biology	4
BIOSCI 201	Introduction to Human Anatomy	4
BIOSCI 202	Introduction to Human Physiology	4
BIOSCI 204	Human Anatomy & Physiology I	4
BIOSCI 205	Human Anatomy & Physiology II	4
BIOSCI 215	General Zoology	4
BIOSCI 216	General Botany	4
BIOSCI 219	Marine Biology	4
BIOSCI 221	Introduction to Microbiology	5
BIOSCI 230	Introduction to Biotechnology	5
BIOSCI 240	Molecular Genetics	4
BIOSCI 250	Human Anatomy & Physiology	8
<b>Plus 10 units from the following courses:</b>		
ANTHRO 101	Physical Anthropology	3
ANTHRO 101L	Physical Anthropology Laboratory	1
ASTRON 100	General Astronomy	3
ASTRON 101	The Stellar System	3
ASTRON 102	The Solar System	3
BIOSCI 104	Introduction to the Human Body	3
BIOSCI 130	Contemporary Issues in Environmental Biology	3
BIOSCI 132	Concepts in Evolution	3
BIOSCI 140	Principles of Human Genetics	3
BIOSCI 170	Introduction to Forensic Biology	4
BIOSCI 180	Biology of Cancer	3
BIOSCI 190	Introduction to Bioinformatics	2
BIOSCI 208	Human Prosection	1
BIOSCI 218	Introduction to Oceanography	4
CHEM 110	Introductory Chemistry	4
CHEM 151	Prep. General Chemistry	4
CHEM 201	General Chemistry I	6
CHEM 202	General Chemistry II	5
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CHEM 255	Organic Chemistry I	5
CHEM 256	Organic Chemistry II	5
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Lab	1
GEOL 100	Physical Geology Lab	1
GEOL 101	Physical Geology	3
GEOL 102	Historical Geology	3
GEOL 105	Geology of California	3
GEOL 106	Geology of National Parks/Monuments	3
GEOL 107	Minerals, Rocks & Fossils	3
GEOL 109	Earth Science	3
GEOL 218	Introduction to Oceanography	4
PHYSICI 101	Physical Science	4
PHYSIC 101	Introduction to Physics	4
PHYSIC 110	General Physics I	4
PHYSIC 111	General Physics II	4
PHYSIC 220	Physics for Scientists & Engineers: Mechanics of Solids and Fluids	4
PHYSIC 221	Physics for Scientists & Engineers: Electricity & Magnetism	4
PHYSIC 222	Physics for Scientists & Engineers: Wave Motion, Heat, Optics, and Modern Physics	4
PSYCH 102	Physiological Psychology	3
Total Units for Major:		18

**PLUS:**

- ◆ a minimum of 60 semester units (a minimum of 12 units completed at College of the Canyons)
- ◆ completion of Associate Degree GE, Diversity, American Institutions and PE/Wellness requirements
- ◆ a minimum 2.0 grade point average (C average) or better in associate degree applicable units and be in good standing at College of the Canyons (all courses required for the major must be completed with a C grade or better).