

MULTIPLE SCIENCES

2017-2018

The Associate of Science Multiple Sciences degree emphasizes the role of science, scientific inquiry and technology in our world. Students will apply a problem solving strategy such as the scientific method or other systematic process of inquiry and recognize the contributions of science and technology in our world. This degree is multidisciplinary, giving students the knowledge and experience in both the physical and biological sciences.

To complete the requirements for the Associate of Arts for this degree*, a student must:

1. Complete the requirements for an associate degree.
2. **Complete a minimum of eighteen (18) units with a "C" or better in each course** in the following multidisciplinary program.
3. Complete elective units to meet the minimum 60 units required for the associate degree.

A minimum of six (6) units must be taken from two of the following three groups:

Physical Sciences:		Units	IP	Need	Grade
ASTRON 150 or 150H	Introduction to Astronomy	3			
ASTRON 160	Astronomy Laboratory	1			
CHEM 101	Introduction to Chemistry	4			
CHEM 102	Introduction to Organic Chemistry	4			
CHEM 123	Chemistry for Everyone	3			
CHEM 150 or 150H	General Chemistry I	5			
CHEM 151 or 151H	General Chemistry II	5			
CHEM 212	Organic Chemistry I	4			
CHEM 213	Organic Chemistry II	4			
ENGR 101	Introduction to Engineering	3			
PHYSIC 100	Introduction to Physics I	4			
PHYSIC 110	General Physics I	4			
PHYSIC 111	General Physics II	4			
PHYSIC 250	College Physics I	4			
PHYSIC 251	College Physics II	4			
PHYSIC 252	College Physics III	4			
Total Physical Sciences Units:		6-9			

Earth Sciences:		Units	IP	Need	Grade
GEOL 100 or 100H	Physical Geography	4			
GEOL 101 or 101H	Introduction to Geology	3			
GEOL 112	Historical Geology	4			
GEOL 113	Earth and Life History	3			
GEOL 150 or 150H	Contemporary Geology: Hazards, Resources and Environmental Concerns	3			
GEOL 160	Geology Laboratory	1			
GEOL 170	Geologic History of the Great Basin	1			
GEOL 175	Geology of the Eastern Mojave Desert	1			
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1			
GEOL 180	Geology of Joshua Tree National Park	1			
GEOL 181	Geology of the Anza Borrego Region	1			
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1			
GEOL 250	Geology of California	3			
GEOL 270	Geology of the Eastern Sierra Nevada	1			
GEOG 110 or 110H	Physical Geography	3			
GEOG 111 or 111H	Physical Geography Laboratory	1			
GEOG 126	Geography of California	3			
OCEAN 100	Investigations in Oceanography	4			
OCEAN 101 or 101H	Elements of Oceanography	3			
Total Earth Sciences Units:		6-7			

Biological Sciences:		Units	IP	Need	Grade
ANAT 101	Essentials of Human Anatomy and Physiology	4			
ANAT 150	Human Anatomy and Physiology I	4			
ANAT 151	Human Anatomy and Physiology II	4			
ANTHRO 106 or 106H	Biological Anthropology	3			
BIOL 100	General Biology	4			
BIOL 123	Ecology and Environment	3			
BIOL 130 or 130H	Cell and Molecular Biology	4			
BIOL 131	Populations and Organisms	4			
Health 263 or 263H	Nutrition and Health	3			
MICRO 102	Introductory Microbiology	4			
MICRO 150	Medical Microbiology	5			
Total Biological Sciences Units:		6-9			

Total Multiple Sciences Units:		18-25			
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Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the lower division requirements for transfer into a particular major; however, through careful educational planning with a counselor, this degree would offer a solid foundation in the transfer process. Students should consult with a counselor for specific information regarding their intended major at the university of their choice. Information is also available at www.assist.org.