

CERTIFICATE OF ACHIEVEMENT - HEALTH SCIENCES

This certificate of achievement prepares students for entry-level employment in allied health and fulfills many prerequisite requirements for accredited health sciences training programs. Students completing this certificate may gain an advantage in the competitive selection process of health sciences programs.

Certificate Outcomes

Students completing the certificate will:

- Apply the scientific method, describe cell and tissue structure, and describe skeletal, muscular, digestive and lymphatic systems and their interrelationships.
- Identify the components of the circulatory nervous, integumentary, respiratory, endocrine, urinary, reproductive and immune systems and describe their interrelationships.

Gainful Employment

While all of the educational programs at Truckee Meadows Community College are designed to lead to either employment or transfer, the Department of Education requires that we provide information on specific certificate programs. More information on Gainful Employment (<http://www.tmcc.edu/financial-aid/consumer-information/gainful-employment>) is available on the the TMCC website. We hope this information is helpful to you as you make your career and educational choices.

Certificates of Achievement are a set of courses within an AAS degree that can serve as a stepping stone to an AAS degree or allow students to enter the workforce. Certificates of Achievement have a general education component.

To earn a Certificate of Achievement, students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)
2. Complete a minimum of 15 semester credit hours within the college.
3. Satisfy General Education requirements for the AAS (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>).
4. Have no financial or library obligation to the college.

General Education Requirements

Communications

Required:

ENG 101	Composition I	3
or ENG 113	Composition I for International Students	

Human Relations		3
-----------------	--	---

Mathematics		3
-------------	--	---

Required:

MATH 120	Fundamentals of College Mathematics	
----------	-------------------------------------	--

Or

MATH 126	Pre-Calculus I ¹	
----------	-----------------------------	--

Certificate Requirements

BIOL 190 & 190L	Introduction to Cell and Molecular Biology and Introduction to Cell and Molecular Biology Laboratory	4
BIOL 223	Human Anatomy and Physiology I	4
BIOL 224	Human Anatomy and Physiology II	4

Elective Requirements

Select nine units of the following:		9
BIOL 251	General Microbiology	
CHEM 121	General Chemistry I	
CHEM 220	Introductory Organic Chemistry	
CLS 151 & CLS 152	Phlebotomy and Applied Phlebotomy	
NURS 130	Nursing Assistant	
NUTR 223	Principles of Nutrition	

Total Units		30
-------------	--	----

¹ Required for BIOL 190.

Recommended courses are listed in the course sequence; however, other courses may apply. Please see an advisor or the department.

Course	Title	Units
1st semester		
Elective ³		3
ENG 101 or ENG 113	Composition I or Composition I for International Students	3
Human Relations ²		3
MATH 120 or MATH 126	Fundamentals of College Mathematics or Pre-Calculus I	3
Semester Total		12
2nd semester		
Elective ³		6
BIOL 190	Introduction to Cell and Molecular Biology	3
BIOL 190L	Introduction to Cell and Molecular Biology Laboratory	1
Semester Total		10
3rd semester		
BIOL 223	Human Anatomy and Physiology I	4
BIOL 224	Human Anatomy and Physiology II	4
Semester Total		8
Total Units		30

² See approved General Education list for the AAS Degree. (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>)

³ See program recommendation or requirements.