

HEALTH SCIENCES, COA

Program Code: Health Sciences-CoA

Program Description

The Health Sciences, 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.

Health Sciences Career Map (<https://sites.tmcc.edu/flipbook/career-maps/35/>)

Recommended Course Schedule

1st semester		Units
ENG 101	Composition I	3
or ENG 100	or Composition Enhanced	
or ENG 113	or Composition I for International and Multilingual Students	
Elective ⁶		3
Human Relations ⁵		3
Mathematics ⁶		3
Semester Total		12
2nd semester		Units
BIOL 190A	Introduction to Cell and Molecular Biology	3
or BIOL 189A	or Fundamentals of Life Science	
BIOL 190L	Introduction to Cell and Molecular Biology Laboratory	1
Elective ⁶		6
Semester Total		10
3rd semester		Units
BIOL 223	Human Anatomy and Physiology I (Fast track)	4
BIOL 224	Human Anatomy and Physiology II (Fast Track)	4
Semester Total		8
Total Units		30

⁵ See approved General Education list for the AAS Degree. (<https://catalog.tmcc.edu/degrees-certificates/general-education/aas/>)

⁶ See program recommendation or requirements

Program Requirements

Certificates of Achievement can be a stepping stone to an associate 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 Certificate of Achievement (<https://catalog.tmcc.edu/degrees-certificates/general-education/aas/>).
4. Have no financial or library obligation to the college.

Code	Title	Units
GENERAL EDUCATION REQUIREMENTS		
<i>Communications</i>		
Required:		
ENG 101	Composition I	3
or ENG 100	Composition Enhanced	
or ENG 113	Composition I for International and Multilingual Students	
<i>Human Relations</i>		3
<i>Mathematics</i>		3
Required:		
MATH 120	Fundamentals of College Mathematics (or higher)	
Recommended:		
MATH 126	Pre-Calculus I	
CERTIFICATE REQUIREMENTS		
BIOL 190A	Introduction to Cell and Molecular Biology	3
or BIOL 189A	Fundamentals of Life Science	
BIOL 190L	Introduction to Cell and Molecular Biology Laboratory	1
BIOL 223	Human Anatomy and Physiology I	4
BIOL 224	Human Anatomy and Physiology II	4
ELECTIVE REQUIREMENTS		
Select 9 units from the following:		9
BIOL 251	General Microbiology ¹	
PBH 220	Introduction to Public Health Biology	
CHEM 121	General Chemistry I ¹	
CLS 151	Phlebotomy ²	
CLS 152	Applied Phlebotomy ²	
CLS 153	Phlebotomy Clinical Practicum ²	
HIT 180	Health Information Management ¹	
NURS 130	Nursing Assistant ³	
NURS 140	Medical Terminology ⁴	
PHYS 100	Introductory Physics ¹	
RAD 101	Exploration of Radiology (RAD 101 from .5 to 1 credit) ³	
SRGT 101	Introduction to Surgical Technology ⁴	
Or any of the following subjects: BIOL, PBH, CHEM, PHYS, NUTR, SRGT, DA, DH, EMS, and NURS.		
Total Units		30

¹ Will count towards the Admission Criteria Point System for the Radiologic Technology, AAS. Please consult with Academic Advising.

² Will count towards the Phlebotomy Skills Certificate.

³ Required for application and admission into the Radiologic Technology, AAS. Please consult with Academic Advising.

⁴ Required for College of Southern Nevada's Surgical Technology, AAS.
Please consult with Academic Advising.

Program Outcomes

Students completing the certificate will:

PSLO1: Apply the scientific method, describe cell and tissue structure, and describe skeletal, muscular, digestive and lymphatic systems and their interrelationships.

PSLO2: Identify the components of the circulatory, nervous, integumentary, respiratory, endocrine, urinary, reproductive and immune systems and describe their interrelationships