



## Pathway: Health Careers Pathway

### Plan of Study: Health Sciences

**Career Goal (O\*Net Code):** Registered Nurse (29-1111), Licensed Vocational Nurse (29-2061), Nurse Aide (31-1012), Emergency Medical Technician(29-20410), Paramedic (29-2041), Healthcare Administrator (11-9111), Medical Secretary (43-6013), Medical Assistant (31-9092), Radiologic technologist and Technician (29-2034), CT Scanner (29-2034)

#### Suggested High School Courses

<b>High School</b> * Default includes CDHE Higher Education Admission Requirements	9 <sup>th</sup>	<b>Core Academic Courses*:</b>	English 9, World Civilizations, Intro to Geography, Algebra 1, Introduction to Physical Science, Integrated Science (Honors classes also available)	<b>Suggested Electives:</b> Any ACTS CTE Courses. Physical Education, Fine Arts, etc. – for grades 9-12
		<b>Career Path Courses:</b>	Science and Math Electives, Relationships, Independent Living, Adult Issues, Child Development, Teen Choices, Business Principles, Business Tech, Culinary	
	10 <sup>th</sup>	<b>Core Academic Courses*:</b>	English 10, US History (Electives: Anthropology, World Geography), Geometry or Algebra 11, Biology, other Science electives, Foreign Language (Honors classes also available)	<b>Suggested Electives:</b> *Accounting 1,2,3,4
		<b>Career Path Courses:</b>	Professional Employment Experience, Business Principles, Business Law, Business Communications, Business Math, Business Writing, Business Technology, Advanced Business Tech, Science and Math Electives, Relationships, Independent Living, Adult Issues, Child Development, Teen Choices, Culinary	
	11 <sup>th</sup>	<b>Core Academic Courses*:</b>	English Elective (American Literature, Journalism, Creative Writing, Drama/Debate, etc.), Western Civilization or AP European History (Electives: AP Human Geography, Anthropology, Colorado History, World Religions, Film History, Intro to Law, Russian History, Sociology, World Geography, or Psychology), Algebra 11, Probability and Statistics or Pre-Calculus, Chemistry, (Electives: Astronomy, Zoology, Plant Science, Genetics or Meteorology)	<b>Suggested Electives:</b> *Accounting 1,2,3,4, *Personal Finance International Business Entrepreneurship Sports and Entertainment Marketing Tech Ed Family/Consumer Sciences Culinary Essentials Community Employment Experience
		<b>Career Path Courses:</b>	Business Principles, Marketing, Advanced Marketing, Career Success, Professional Employment Training, Advanced Business Tech, Integrated Business Tech, Science and Math Electives, Relationships, Independent Living, Adult Issues, Child Development, Teen Choices, Culinary	
	12 <sup>th</sup>	<b>Core Academic Courses*:</b>	English Literature, World Literature, Government, Economics/Civics (Electives: AP Human Geography, Anthropology, Colorado History, World Religions, Film History, Intro to Law, Russian History, Sociology, World Geography or Psychology), Trigonometry, Pre-Calculus, Probability and Statistics, Calculus or AP Statistics, Physics, (Electives: Astronomy, Zoology, Plant Science, Genetics or Meteorology)	<b>Suggested Electives:</b> Accounting 1,2,3,4 *Personal Finance International Business Entrepreneurship Sports and Entertainment Marketing Tech Ed Family/Consumer Sciences Culinary Essentials
		<b>Career Path Courses:</b>	All above and suggested electives, Community Employment Experience, Academic Internship	

#### Secondary to Postsecondary Linkages & Certifications

<b>Recognition for Advanced Learning</b>	<b>Postsecondary Credit Options:</b> Concurrent Enrollment
	<b>Industry Recognized Certificate(s) or License(s):</b> CPR Certification for Health Care Providers Certified Nursing Assistant (CNA) Certification Certification in Medical Terminology EMT

Colorado Postsecondary Programs Available

Colorado Institutions

Entrance Exams/ Requirements

Career & Technical Education is delivered through the Colorado Community College System

[www.cccs.edu](http://www.cccs.edu)



<b>Postsecondary Education Opportunities</b>	<b>Certificate</b>	<p>Practical Nursing, Home Health Aide, Nurse Aide</p> <p>Other Health Fields such as Phlebotomy, EMT, Massage Therapy, Dental Assistant, Medical Records, etc.</p>	<p><a href="http://www.collegeincolorado.org">www.collegeincolorado.org</a></p> <p>AVS: Delta Montrose, Emily Griffith, Pickens, San Juan Basin</p> <p>Community Colleges: Aims CC, Arapahoe CC, Colorado Mountain College, Colorado Northwestern CC, CC of Denver, Front range CC, Lamar CC, Morgan CC, Northeastern Jr. College, Otero Jr. College, Pikes Peak CC, Pueblo CC, Western Colorado CC, mesa State College, Red Rocks CC, Trinidad State Jr. College</p>	High School diploma/GED
	<b>Associate Degree</b>	<p>Registered Nursing</p> <p>Other Careers in the Health Field: Paramedic, Dental Hygienist, Kinesiology, Radiologic Technology, Respiratory Therapy, etc.</p>	<p><a href="http://www.collegeincolorado.org">www.collegeincolorado.org</a></p> <p>Aims CC, Front range CC, Arapahoe CC, Colorado Mountain College, Colorado Northwestern CC, CC of Denver, Lamar CC, Morgan CC, Northeastern Jr. College, Otero Jr. College, Pikes Peak CC, Pueblo CC, Trinidad State Jr. College, Western Colorado CC, Mesa State College</p>	High School diploma/GED
	<b>Bachelor Degree</b>	<p>Nursing, BSN, Counselor, Nurse Midwife, Occupational therapy, Physical Therapy, Social Worker, Speech Therapy</p>	<p><a href="http://www.collegeincolorado.org">www.collegeincolorado.org</a></p> <p>Adams State College, Mesa State College, Metropolitan State College of Denver, University of Northern Colorado, University of Colorado – Colorado Springs</p>	See each school's Admission website
	<b>Graduate Degree</b>	<p>Nursing, MSN, PhD, Nursing Education, Nurse Practitioner, Physician, Physician's Assistant, Dentist Veterinarian, Optometrist</p>	<p><a href="http://www.collegeincolorado.org">www.collegeincolorado.org</a></p> <p>University of Colorado – Health Sciences Center, Colorado State University – Pueblo, University of Colorado – Colorado Springs</p>	See each school's Admission website

**Cluster Overview:** The **Health Science Career Cluster** prepares students for careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

**Extended Learning Experiences**

**Curricular Experiences:**

HOSA (Health Occupations Students of America) Career and Technical Student Organization

Other Career and Technical Student Organizations

Student Council

Athletic Trainer Asst.

Link Crew

Science Club

**Extracurricular Experiences:**

Channel 9 Health Fair

Have a Heart – Volunteer

Athletic Team Manager

Special Olympics Explorers

<b>Work-Based Learning Experiences:</b> Career Preparation – Paid and Unpaid, Job Shadowing, Internships		<b>Program Accreditation and/or Professional Association(s):</b>  American nurses Association National Federation of Licensed Practical Nurses American Association of Nurse Anesthetists National League for Nursing Accrediting Commission, Inc.  For a comprehensive list of Health Sciences related professional associations, go to: <a href="http://www.pohly.com/assoc2.html">www.pohly.com/assoc2.html</a>  Colorado Department of Public Health and Environment – <a href="http://www.coems.info">www.coems.info</a> Emergency medical Association of Colorado – <a href="http://www.naemt.org">www.naemt.org</a>
<b>Service Learning Experiences:</b> Example: Community Service Volunteer , Long Term Care Facilites, American Red Cross, Community Emergency response Training (CERT)		
<b>Career Options:</b>		<b>Salary Range:</b>
Certificate	<b>Nurse Aide, Practical nurse, Licensed Vocational Nurse, Nursing Assistant, CNA</b>  <b>Examples include, but not limited to: Phlebotomy, EMT, Massage Therapy, Dental Assistant, Medical Office Technology</b>	\$\$
Associate Degree	<b>Licensed Nurse Practitioner</b>  <b>Examples include, but not limited to: Dental Hygienist, Kinesiology, Radiologic Technology, Respiratory Therapy, Medical Administrative Assistant</b>	\$\$-\$\$\$
Bachelor Degree	<b>Registered Nurse with specialties in OB, Peds, Home Health, etc. Nurse, BSN, School Nurse, Nursing Supervisor, Health Educator, OB, Peds, Home Health, Flight Nurse, etc. Counselor, Occupational Therapy, Physical Therapy, Social Worker, Speech Therapy, Radiation Therapy</b>	\$\$-\$\$\$
Graduate Degree	<b>Director of Nursing, Nurse Practitioner, Nursing Informatics, Nursing Instructors, Postsecondary, Nursing Administration, Certified registered Nurse Anesthetist, Certified Nursing Midwife, Clinical Nurse Specialist, Physician, Physician’s Assistant, Dentist, Veterinarian, Optometrist, Emergency Room Medical Doctor</b>	\$\$\$-\$\$\$\$

\* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

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