



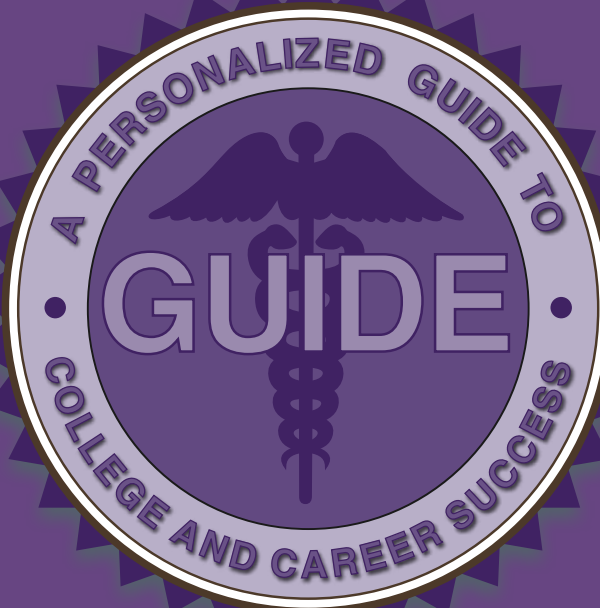
PLAN OF STUDY

DIAGNOSTIC
IMAGING

Health Academy

PATHWAY: Diagnostic Services

PLAN OF STUDY: *Diagnostic Imaging*





Pathway: Diagnostic Services

Plan of Study: - Diagnostic Imaging

Career Goal (O*Net Code): Radiologic Technologist and Technician (29-2034), Nuclear Medicine Technologist (29-2033), Medical Sonographers (29-2032), CT Scanner (29-2034)

Suggested High School Courses

Pueblo City Schools – High School	9th	Core Academic Courses*:	Freshman Literature and Composition, Biology 1, Geometry or Algebra 1, US History 1, Health	Suggested Electives: Art, Band, Choir, Computer Applications, Principles of Business
		Career Path Courses:	Introduction to Health Professions	
	10th	Core Academic Courses*:	Sophomore Composition and Literature, Chemistry, U.S. History 2, Geometry or Algebra 2, Spanish 1 or French 1	Suggested Electives: Journalism, Spanish 2 or French 2, Astronomy, Fundamentals of Accounting, Marketing Education
		Career Path Courses:	Medical Terminology	
	11th	Core Academic Courses*:	Advanced Vocab & Grammar/ ENG 101, Anatomy & Physiology, Algebra 2, or Trigonometry or College Algebra, World History, PE, Microbiology	Suggested Electives: Journalism, Spanish 2 or French 2, Biology 2, Fundamentals of Accounting, Marketing Education
		Career Path Courses:	Nursing Assistant Certification	
	12th	Core Academic Courses*:	ENG102/SPCOM103, Chemistry 2, College Algebra or Pre-Calculus or Statistics, PE, Psychology/Sociology, Physics 1	Suggested Electives: Psychology, American Problems, Spanish 3 or French 3, Physics, Advanced Marketing Education
		Career Path Courses:	Health Occupations Seminar	

Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	Postsecondary Credit Options: HPR 178 - Medical Terminology, HPR 100 - Introduction to Health, NUA 101 & 170 - Nursing Asst Certification, Bio 223/223L - Anatomy & Physiology I, Chem 111/111L - Principles of Chemistry, English 101/102 - English Composition, EMS 125 - EMT basic, PHT 105, 207, 235 - Pharmacy Tech Certification courses, HPR 113 & 115 - Phlebotomy Tech Certification courses
	Industry Recognized Certificate(s) or License(s): Nursing Assistant Certification, Phlebotomy Technician Certification, Pharmacy Technician Certification, Emergency Medical Technician Certification

Postsecondary Education Opportunities	Postsecondary Programs Available in Colorado		Colorado Institutions	Entrance Exams/ Requirements
	Certificate	Mammography Technologist*, Nuclear Medicine Technology*, Medical Sonography* * Requires an Associate's degree or higher first.	Delta/Montrose, Emily Griffith, Aims Community College, Pueblo Community College, Red Rocks Community College	High School diploma/ GED
	Associate Degree	Radiologic Technology, Medical Sonography, Biomedical Electronic Technology	Aims Community College, Community College of Denver, Pueblo Community College, Red Rocks Community College, Western Colorado Community College, Mesa State College, Pueblo Community College	High School diploma/ GED
	Bachelor Degree	Medical Physics, Biomedical Engineering, Radiologic Technology	Colorado State University, Mesa State College More options: www.collegeincolorado.com	See each school's Admissions website.
	Graduate Degree	Environmental & Radiological Health Sciences, MS Biomedical Engineering, MS, Doctor of Medicine, Biomedical Sciences, PhD	Colorado State University, University of Colorado - Health Sciences Center More options: www.collegeincolorado.com	See each school's Admissions website.

These Colorado institutions do not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to the Colorado institution's AA/EEO officer.

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

<p>Curricular Experiences:</p> <p>Health Occupations Students of America Health Academy Student Government Science Olympiad</p>	<p>Extracurricular Experiences:</p> <p>National Youth Leadership Forum on Medicine Region Summer Health Institute</p>
<p>Work-Based Learning Experiences:</p> <p>Participation in disaster drills and emergency training scenarios with Pueblo City-County Health Department Internships with local health-care facilities as part of 12th grade Health Occupations Seminar class</p>	<p>Program Accreditation and/or Professional Association(s):</p> <p>American Society of Radiologic Technologists Society of Nuclear Medicine American Association of Medical Dosimetrists American Registry of Diagnostic Medical Sonographers</p>
<p>Service Learning Experiences:</p> <p>Community Service Learning (volunteering) as part of Pueblo City Schools' Interscholastic Activity requirement Service as part of Health Academy Student Government</p>	

Career Options:

Salary Range:

Certificate	Radiation Therapy Technician, Diagnostic Medical Imaging Technician, Mammographer	\$\$
Associate Degree	Radiographer, Mammographer, Radiation Therapy Technologist, Diagnostic Medical Sonographer, Nuclear Medicine Technologist	\$\$
Bachelor Degree	Nuclear Medicine Technologist, Dosimetrist, Radiographer, Radiation Therapy Technologist, Radiologist Assistant, Biomedical Engineer	\$\$\$
Graduate Degree	Radiologist, MD, Imaging Manager, Imaging Researcher, Biomedical Engineer	\$\$\$ - \$\$\$\$

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

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Si hay preguntas sobre esta informacion por favor de llamar la escuela de su niños.



Personal Learning Plan

Student Information

Name _____

Career Cluster or Career Pathway of Interest _____

Plan Last Reviewed On: ____/____/____ Grade: 7 8 9 10 11 12

Coursework

	Middle School	9th Grade	10th Grade	11th Grade	12th Grade	Advanced Coursework	PCS Diploma with CTE endorsement (credits earned)
Language Arts							
Math							
Science							
Social Studies							
Career & Tech Courses							
Additional Requirements & Electives							

Extended Learning

	Middle School	9th Grade	10th Grade	11th Grade	12th Grade	Advanced Coursework	PCS Diploma with CTE endorsement (credits earned)
School Activities							
Community Activities							
Work-based Learning/ Experience							