



## Pathway: Therapeutic Services

### Plan of Study: Pharmacy

**Career Goal (O\*Net Code):** Examples: Pharmacist (29-1051), Pharmacy Technician (29-2052).

#### Suggested High School Courses

High School	9 <sup>th</sup>	Core Academic Courses*:	English I, Algebra I, Health/Biology	Suggested Electives: Computer skills Foreign language
		Career Path Courses:	Health Science Technology I/Health Science Occupation I	
10 <sup>th</sup>	Core Academic Courses*:	English II, Algebra II, Biology, US History, Foreign Language I	Suggested Electives: Computer skills Speech Foreign Language	
	Career Path Courses:	Health Science Technology II/Health Science Occupation II		
11 <sup>th</sup>	Core Academic Courses*:	English III, Algebra II/ or other, Chemistry	Suggested Electives: Business and Personal Communications Business Law	
	Career Path Courses:	Health Science Technology III/Health Science Occupation III		
12 <sup>th</sup>	Core Academic Courses*:	English IV, Calculus, U.S. Government, Chemistry, U.S. Government	Suggested Electives: Medical Terminology Personal Health Career Planning	
	Career Path Courses:	Health Science Technology IV/Health Science Occupation IV		

#### Secondary to Postsecondary Linkages & Certifications

Recognition for Advanced Learning	<b>Postsecondary Credit Options:</b> Fall semester: PHT -111 ORIENTATION TO PHARMACY (3), PHT -112 PHARMACY LAW (2), PHT - 113 PHARMACY CALCULATIONS AND TERMINOLOGY (1), PHT - 117 COMMUNICATION SKILLS FOR TECHNICIANS (1)  Spring Semester: PHT 114 COMPUTER SKILLS FOR PHARMACY TECHNICIANS (1), PHT 115 PHARMACOLOGY I (3), PHT 120 MEDICAL INSURANCE (1)
	<b>Industry Recognized Certificate(s) or License(s):</b> Pharmacy Technician Certificate,

Postsecondary Education Opportunities	Colorado Postsecondary Programs		Colorado Institutions	Entrance Exams/ Requirements
	Certificate	Pharmacy Technician	Front Range Community College	High School diploma/GED, MAT 060, ENG 090, or ACCUPLACR
Associate Degree	Associate of General Studies	Front Range Community College	High School diploma/GED, MAT 060, ENG 090, or ACCUPLACR	
Bachelor Degree	Pre-Pharmacy, Nutrition, Biology, Chemistry, Biochemistry	Colorado State University - Pueblo, Colorado State University, University of Colorado-Colorado Springs, Adams State College, Fort Lewis College, Mesa State College, Western State College, University of Colorado - Boulder	See each school's Admissions website.	
Graduate Degree	Pharmacology, Pharm. PhD.; Pharmaceutical Sciences, PhD; Pharmaceutical Outcomes Research, PhD; Biochemistry & Molecular Biology; Chemistry & BioChemistry PhD.	University of Colorado - Health Sciences Center, Colorado State University, University of Colorado-Boulder More options:collegeincolorado.com	See each school's Admissions 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		
<b>Curricular Experiences:</b>  1. Pharmacy Technicians Club 2. Field trips (cadaver lab, hospital pharmacy, nuclear pharmacy) 3. Pharmacy lab experience (hospital IV admixtures, sterile product preparation; and, community extemporeaneous compounding.)	<b>Extracurricular Experiences:</b>  1. Health fair volunteer opportunities 2. Continuing education opportunities	
<b>Work-Based Learning Experiences:</b>  Career Preparation – Unpaid clinical externships Resume and interviewing workshop Pharmacy lab experience	<b>Program Accreditation and/or Professional Association(s):</b>  1. American Society of Healthcare System Pharmacists 2. Colorado Pharmacists Society - Academy of Pharmacy Technicians 3. National Association of Pharmacy Technicians (NPTA)	
<b>Service Learning Experiences:</b>  Community Service Volunteer		
Career Options:		Salary Range:
Certificate	Pharmacy Technician	\$ - \$\$
Associate Degree	Pharmacy Technician	\$ - \$\$
Bachelor Degree	Therapeutic Nutritionist	\$\$ - \$\$\$
Graduate Degree	<b>Pharmacist</b> <b>Nuclear Pharmacist</b> <b>Pharmacy Practitioner: Pediatric Specialist</b> <b>Pharmacy Practitioner: Oncology Specialist</b>	\$\$\$ - \$\$\$\$

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

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