

# High School to College and Career Pathway: Secondary

Career and Technical Education: Preparing Students for College and Career!



## Area of Study: Health Science Education

### Pathway: Therapeutic Services – Pharmacy

**Get the Facts**  
Pharmaceutical makers are accustomed to a research-to-market cycle of as long as 10 years in order to discover, develop and commercially launch a new drug.

**Workforce Trends**  
Pharmacy Technician:  
With increased medical needs of an aging population and additional tasks given to pharmacy techs., many job opportunities will be created, especially for those with formal training and certification.

Pharmacist:  
New opportunities are emerging for pharmacists in managed care organizations, where they analyze trends and patterns in medication use, and in pharmacoconomics—the cost and benefit analysis of different drug therapies.

**CAREER AND TECHNICAL EDUCATION Recommended Pathway Courses**  
(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)  
**CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL**

Course #	Foundation Courses: (required)	Credit
51.0805	Pharmacy Technician	2.00
<b>Elective Courses:</b>		
51.0001	Health Science, Introduction	.50
51.1399	Medical Anatomy & Physiology	1.00
51.0799	Medical Terminology	.50
51.9999	Medical Math	.50
51.1199	Health Science, Advanced (capstone course)	1.00
32.0199	Student Internship (Critical Workplace Skills)	.50

Visit [UtahCTE.org](http://UtahCTE.org) to learn how to earn industry certification in this Pathway.

2.00 credits

1.00 credit

**3.00 credits for completion**

**Pharmacy is:**  
> High skill  
> High demand  
> Nontraditional for males

**Sample Career Occupations**  
> Health Science Education Teacher  
> Pharmacy Aide  
> Pharmacy Technician  
> Pharmacist

In Utah, a pharmacist must be licensed.

Middle School		State Requirements			High School Suggested Education Plan				College and Career
7th Grade	8th Grade	Middle School	High School		9th Grade Suggested	10th Grade Suggested	11th Grade Suggested	12th Grade Suggested	<b>Beyond High School</b> There are a number of options for education and training beyond high school, depending on your career goals. > Certificate > Associate degree > Bachelor's degree > Professional degree > On-the-job training > Apprenticeship > Military training  For more information on salary projections, labor market demand, and training options, visit <a href="http://www.utahfutures.org">www.utahfutures.org</a> .
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	4.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	Language Arts 12 1.00	
Math * 1.00	Math * 1.00	2.00	Math	3.00	Math * 1.00	Math * 1.00	Math * 1.00	Medical Math .50	
Science .50	Science 1.00	1.50	Science	3.00	Biology or Human Biology 1.00	Chemistry 1.00	Physics 1.00		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	3.00	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50			
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50				
Keyboarding .50			Computer Tech.	.50	Computer Technology .50				
CTE Intro 1.00		1.00	CTE	1.00	Refer to Career and Technical Education box above.				

\* Talk to your school counselor about math requirements in the new common core curriculum. Core curriculum and elective requirements may vary district to district.

Concurrent enrollment course offerings vary by school and district. Many Utah postsecondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional postsecondary Pathways for details.