

CTE Course Description and Standards Crosswalk

Course Information

Course Name	Pharmacy Technician Semester 1
Course Number	84081
Number of High School Credits	0.5
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Allied Health, Health Informatics, Pre Nursing
Date of district Course Revision	February 2015

Career & Technical Student Organization (CTSO)

CTSO embedded in this sequence	HOSA
--------------------------------	------

Occupational Standards

Source of Occupational Standards	American Society of Health-System Pharmacists; National Consortium on Health Science and Technology Education
Names/Numbers of Occupational Standards	Model Curriculum Goals; Health Care Core Standards and Therapeutic Services Pathway Standards & Accountability Criteria

Registration Information

Course Description (brief paragraph – as shown in your student handbook or course list)	Pharmacy Technician (formerly “Introduction to Pharmacology”) introduces students to how drugs are organized by classifications that include their purpose, side effects, cautions, and interactions. Instruction will include lectures, labs, guest speakers, and field trips. This class is recommended to students interested in health careers such as nursing and medicine.
Instructional Topic Headings (please separate each heading by a semi-colon)	Consumer Safety and Drug Regulations; Sources and Body Effects of Drugs; Abbreviations and Systems of Measurement; Responsibilities and Principles of Drug Administration; Poison Control; Drug Classification

Summative Assessments and Standards

Technical Skills Assessment (TSA)	HOSA K023 - Pharmacology
Course addresses:	
New Alaska ELA and Math Standards	Yes
Alaska Cultural Standards	Yes
All Aspects of Industry (AAI)	Yes
Core Technical Standards	Yes
Employability Standards	Yes

Employability Standards

Source of Employability Standards	State of Alaska
-----------------------------------	-----------------

Tech Prep

Current Tech Prep Articulation Agreement? (Y/N)	No
Date of Current Agreement	
Postsecondary Institution Name	
Postsecondary Course Name	
Postsecondary Course Number	
# of Postsecondary Credits	

DISTRICT NAME: Mat-Su Borough School District

Source/Organization/ Agency	Acronym	Website or Location of Information	Section, Chapters, etc. referenced in Performance Standards	Date of Edition or Version
Model Curriculum for Pharmacy Technician Education and Training Programs (American Society of Health-System Pharmacists)	ASHP	http://www.ashp.org/DocLibrary/Accreditation/Model-Curriculum.pdf	Model Curriculum Goals	Copyright, 2013 Third Edition
National Consortium on Health Science and Technology Education	NCHSTE	www.nchste.org	Health Care Core Standards and Therapeutic Services Pathway Standards & Accountability Criteria.	October 2013

Additional CTE Course Information

Author	
Course developed by	Revised by Michelle Brazfield; Revised by Kelly Woolcott
Course adapted from	Intro to Pharmacology
Date of previous course revision	December 2006
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	No

Standards Alignment

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standard	Common Technical Core Standards	New Alaska ENG/LA Standards	New Alaska Math Standards	Alaska Cultural Standards	Employability/ Career Readiness Standards	All Aspects of Industry/ Systems	Assessment
Define what is meant by pharmacology.	<u>ASHP</u> 3, 5, 6, 7, 11 <u>NCHSTE</u> 1.1, 1.2, 2.2, 3	HL-SUP 1	SL.11-12 a-d RST.11-12.4		A1, B2, C2, C3, D6	A-1,2,5 B - 3,4,5	Tech Pro Skills	Class Discussions Written Assignment Unit Assessments Final Exams Research Project Student Presentation Portfolio
Understand the differences between the major classes of drugs used in the clinical setting.	<u>ASHP</u> 3, 5, 6, 7, 11 <u>NCHSTE</u> 1.1, 1.2, 2.2, 3	HL 1	SL.11-12 a-d RST.11-12.4 WHST.11-12.9	S-IC.6.	B2, E3	A - 2	Tech Pro Skills	Class Discussions Written Assignment Unit Assessments Final Exams Research Project Student Presentation Portfolio
Describe the rationale for choosing certain drugs to treat individual patients and	<u>ASHP</u> 3, 5, 6, 7, 11	HL-SUP 1	SL.11-12 a-d RST.11-12.4	S-IC.6. S-MD.5	B2, E3	A - 2	Tech Pro Skills	Class Discussions Written

DISTRICT NAME: Mat-Su Borough School District

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standard	Common Technical Core Standards	New Alaska ENG/LA Standards	New Alaska Math Standards	Alaska Cultural Standards	Employability/ Career Readiness Standards	All Aspects of Industry/ Systems	Assessment
diseases.	<u>NCHSTE</u> 1.1, 1.2, 2.2, 3		WHST.11-12.9	S-MD.6 S-MD.7				Assignment Unit Assessments Final Exams Research Project Student Presentation Portfolio
Identify side effects experienced during drug therapy and describe symptoms of toxicity of drugs.	<u>ASHP</u> 3, 5, 6, 7, 11, 35, 45 <u>NCHSTE</u> 1, 2.2, 3, 7.4	HL-1 HL-SUP1, 2, 3	SL.11-12 a-d RST.11-12.4 WHST.11-12.9	S-IC.6. S-MD.5 S-MD.6 S-MD.7	B2, E3	A - 2	Tech Pro Skills	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio
Recognize the value of herbs, minerals vitamins, and other dietary products in relation to general health and well-being.	<u>ASHP</u> 3, 5, 6, 7, 11 <u>NCHSTE</u> 1.1, 1.2, 2.2, 3, 9	HL-1 HL-SUP1, 2, 3	SL.11-12 a-d RST.11-12.4 WHST.11-12.9	S-IC.6. S-MD.5 S-MD.6 S-MD.7	B2, E3	A - 2	Tech Pro Skills	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio
Identify and describe the routes and techniques of drug administration, patient education, and special need populations.	<u>ASHP</u> 3, 5, 6, 7, 11	HL-1 HL-SUP1, 2, 3	SL.11-12 a-d RST.11-12.4 WHST.11-	S-IC.6. S-MD.6 S-MD.7		A – 2,5,6	Tech Pro Skills Health	Class Discussions Written Assignment

DISTRICT NAME: Mat-Su Borough School District

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standard	Common Technical Core Standards	New Alaska ENG/LA Standards	New Alaska Math Standards	Alaska Cultural Standards	Employability/ Career Readiness Standards	All Aspects of Industry/ Systems	Assessment
(geriatric, pregnant, children).	<u>NCHSTE</u> 1, 2, 3, 5, 6		12.9		B2, E3		Safety	Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio
Identify and describe the guiding regulations, both at the state and federal level, using the language of health professionals.	<u>ASHP</u> 42, 43 <u>NCHSTE</u> 2.2, 3, 5, 6	HL – 3, 4, 5, 6	SL.11-12 a-d RST.11-12.4 WHST.11-12.9	S-IC.6. S-MD.6 S-MD.7	B2, E3	A – 2,6,7	Tech Pro Skills Labor Health Safety	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio
Understand and discuss the skills and knowledge required to be an effective member of a pharmacology team.	<u>ASHP</u> 11, 42 <u>NCHSTE</u> 2, 3, 4.1, 4.2, 8	HL2, 4, 5	SL.11-12 a-d	S-IC.6.	B2, E3	A – 1,2,5 B- 3,4,5	Tech Pro Skills Work Habits	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio

DISTRICT NAME: Mat-Su Borough School District

Student Performance Standards (Learner Outcomes or Knowledge & Skill Statements)	Specific Occupational Skills Standard	Common Technical Core Standards	New Alaska ENG/LA Standards	New Alaska Math Standards	Alaska Cultural Standards	Employability/ Career Readiness Standards	All Aspects of Industry/ Systems	Assessment
Be aware of CTSO activities and opportunities.	<u>ASHP</u> 2, 3, 6, 7 <u>NCHSTE</u> 2.1, 2.3, 4.1, 4.2, 8	CRP1,2,46	SL.11-12 a-d	S-IC.6	A7, B2, C2, C3, E1, E3, E7	A- 1,2,3,4,5 B – 1,2,3,4,5	Bus. Planning Mgmt. Com. Work Habits, Tech Pro	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio

Instructional Resources

List the major instructional resources used for this course: (websites, textbooks, essential equipment, reference materials, supplies)
Essentials of Pharmacology for Health Occupations 5th Edition, www.delmarhealthcare.com