

CTE Course Description and Standards Crosswalk

Course Information	
Course Name	Introduction to Pharmacy
Course Number	84070
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	2/2015
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)	Introduces pharmacy practice and the technician's role in various pharmacy settings. Emphasizes the history of pharmacy, pharmacy law and ethics, pharmacy terminology, symbols and dosage forms and 100 often prescribed drugs. Students with an interest in becoming a certified nursing assistant, medical assistant, medical, pharmacy, or dental technician, nurse, dentist, physician or pharmacist will find this course beneficial.
Instructional Topic Headings (please separate each heading by a semi-colon)	The professions and professionals touched by pharmacy; Drug regulations, controls and consumer safety; Drug classifications and routes of administration; Medical terminology; Drug orders, prescriptions and common drugs; Financial issues; Employability standards of practice; Career exploration; Encourage involvement in Career & Technical Student Organizations (CTSO)s
Summative Assessments and Standards	
Technical Skills Assessment (TSA)	None for class,
Course addresses:	Leads to CNA, First Aid/CPR
New Alaska ELA and Math Standards	Yes
Alaska Cultural Standards	Yes
All Aspects of Industry (AAI)	Yes
Core Technical Standards	Yes
Employability Standards	Yes

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Employability Standards	
Source of Employability Standards	State of Alaska
Tech Prep	
Current Tech Prep Articulation Agreement? (Y/N)	Yes
Date of Current Agreement	May 2013
Postsecondary Institution Name	UAA
Postsecondary Course Name	Introduction to Pharmacy
Postsecondary Course Number	PHAR A101 Introduction to Pharmacy
# of Postsecondary Credits	3

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	Accountability for National Health Care Cluster Foundation Standards: 1-11	October 2013

Additional CTE Course Information

Author	
Course developed by	Kathi Baldwin and Kathleen Foxley
Course adapted from	UAA Pharmacy Technology Program
Date of previous course revision	5/2010
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
Describe the role of the pharmacy tech, pharmacy code of ethics, and implications for practice.	<u>ASHP</u> 1, 2, 10, 13, 14, 15, 35, 41, 42, 43 <u>NCHSTE</u> 2.1, 3.1, 5, 6	HL 2,4,5	SL.9-12.1 a-d SL.9-12.4 L.9-12.6 RST.9-12.4 WHST.9-12.9	S-IC.6. S-MD.6 S-MD.7	B2, C2, C3, E3, E4	A – 1,2,5,6,7 B – 1,2,4,5	Principles Tech Tech Pro Skills Labor Health Safety Work Habits	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio

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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
Explore, compare, and contrast potential pharmacy careers with respect to education and opportunities.	<u>ASHP</u> 8, 10, 14, 15 <u>NCHSTE</u> 2.1, 3.1, 4, 8	HL 1,2,4	SL.9- 12.1 a-d SL.9- 12.4 L.9-12.6 RST.9- 12.4 WHST.9- 12.9	S-IC.6. S-MD.7	B2, B4, E3, E4	A – 1,2,5 B – 1,2,4,5	Planning Principles Tech Tech Pro Skills Labor Community Health Safety	Class Discussions Written Assignment Interviews Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio
Explore the relationship and legal and ethical responsibilities between pharmacy and other health professions.	<u>ASHP</u> 1, 6, 8, 14, 15, 42, 43 <u>NCHSTE</u> 2.1, 3.1, 5, 6, 8	HL 5,6	SL.9- 12.1 a-d SL.9- 12.4 L.9-12.6 RST.9- 12.4 WHST.9- 12.9	S-IC.6. S-MD.5 S-MD.6 S-MD.7	B2, E3, E4, E8	A – 1,2,5, 6,7 B – 1,2,4,5	Managem ent Labor Health Safety	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project

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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
								Student Presentation Portfolio
Identify medications by brand or generic name, indication(s) of use, and drug class.	<u>ASHP</u> 11, 35 <u>NCHSTE</u> 2.2	HL 1,2	SL.9-12.1 a-d SL.9-12.4 L.9-12.6 RST.9-12.4 WHST.9-12.9	S-IC.6.	B2, E4	A -2	Tech Pro Skills	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio
Define the meaning of symbols and abbreviations used in pharmacy practice.	<u>ASHP</u> 11 <u>NCHSTE</u> 2	HL 1,2	SL.9-12.1 a-d SL.9-12.4 L.9-12.6 RST.9-12.4	S-IC.6.	B2, E3, E4	A -2	Tech Pro Skills	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration

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								Research Project Student Presentation Portfolio
Identify different dosage forms and routes for medications.	<u>ASHP</u> 11 <u>NCHSTE</u> 1.31 1.32 2.22	HL 1,2	SL.9-12.1 a-d SL.9-12.4 L.9-12.6 RST.9-12.4 WHST.9-12.9	S-IC.6.	B2, E3, E4	A - 2	Tech Pro Skills	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student Demonstration Research Project Student Presentation Portfolio
Understand proper safety techniques to prevent accidents and to maintain a safe work environment.	<u>ASHP</u> 27, 35 <u>NCHSTE</u> 7	HL 2,3,4,5	SL.9-12.1 a-d SL.9-12.4 L.9-12.6 RST.9-12.4 WHST.9-12.9		B2, B4, E3, E4	A – 2,6,7 B – 1, 4, 5	Labor Health Safety	Class Discussions Written Assignment Skill Station Assessments Unit Assessments Final Exams Student

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								Demonstration Research Project Student Presentation Portfolio
Be aware of CTSO activities and opportunities	<u>ASHP</u> 2, 6,7 <u>NCHSTE</u> 1	HL 1,2,4	SL.9-12.1 a-d SL.9-12.4 L.9-12.6	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 Community Work Habit Tech Pro Skills	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)

Suggested Text:

American Pharmacists Association. (2005.) *The pharmacy technician*. (Latest edition). Englewood, CO: Morton.

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Other Instructional Resources:

Ballington, D., & Laughlin, M. (2002). *Pharmacy practice*. St. Paul, MN: Paradigm.

Cowen, D., & Helfand, W. (1990). *Pharmacy: an illustrated history*. New York: Harry N. Abrams, Inc.

Hansten, P.D., & Horn, J.R. (2006). *The top 100 drug interactions: A guide to patient management*. Edmonds, WA: H & H.

Harteker, L.R. (1998). *The pharmacy technician companion*. Washington, DC: American Pharmaceutical Association.

Kastrup, E.R. (2006). *Drug facts and comparisons*. St. Louis, MO: Walters Kluwer.

Medical Economics Company. (2004). *Physicians' desk reference*. Montvale, NJ: Author.

Taber, C.W. (1977). *Taber's cyclopedic medical dictionary*. Philadelphia: F.A. Davis Company.

Young, L.Y., & Koda-Kimble. (1995). *Applied therapeutics: The clinical use of drugs*. Vancouver, WA: Applied Therapeutics, Inc.