

## CTE Course Description and Standards Crosswalk

- The information on page 1 must be entered directly into the EED CTE Web Portal ( log in at <https://www.eed.state.ak.us/tls/cte/perkins> with your district credentials)
- Then this entire form can be submitted by using the “Click here Provide Supporting Documentation” link on the Web Portal, or by emailing it to [ctegrants@alaska.gov](mailto:ctegrants@alaska.gov).

### Basic CTE Course Information

Course Information	
Course Name	Introduction to Pharmacy
Course Number	HH820
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS name put into the system.)	Health Sciences
Occupational Standards	
Source of Occupational Standards	American Society of health-System Pharmacists National Consortium on Health Science and Technology Education, Model Curriculum for Pharmacy Technician Training
Names/Numbers of Occupational Standards	Goal Statements Foundation Knowledge and Skills
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;

**DISTRICT NAME: Kenai Peninsula School District**

	Medical terminology; Drug orders, prescriptions and common drugs; Financial issues; Employability standards of practice; Career exploration; Encourage involvement in Career & Technical Student Organizations (HOSA)
<b>Summative Assessments and Standards</b>	
Technical Skills Assessment	Y
Course addresses Alaska GLEs	Y
Course addresses Employability Standards	Y
Course addresses Cultural Standards	Y
Course addresses All Aspects of Industry (AAI)	Y
<b>Career &amp; Technical Student Organization (CTSO)</b>	
CTSO associated with this course	HOSA (Health Occupation Student of America)
<b>Tech Prep</b>	
Current Tech Prep Articulation Agreement? (Y/N)	No
Date of Current Agreement	
Postsecondary Institution Name	
Postsecondary Course Name	
Postsecondary Course Number	
# of Postsecondary Credits	

### Additional CTE Course Information

<b>Author</b>	
Course developed by	Ben Eveland
Course adapted from	MatSu School District, Kathi Baldwin and Kathy Foxley Revised by: Brenda Probasco and Monica Goyette 5/10
Date of last course revision	3-26-2012

DISTRICT NAME: Kenai Peninsula School District

**Course Delivery Model**

Is the course brokered through another institution or agency? (Y/N)

N

**Certificate, Credential, or License**

Industry-recognized skill certificate, credential, or state license that a student is eligible for upon successful completion of the course?

Certification of Pharmacy Technician (ExCPT)

Issuing body/organization/agency

Pharmacy Technician Certification Board (PTCB)

**Standards Alignment**

<b>Student Performance Standards (Learner Outcomes or Knowledge &amp; Skill Statements)</b>	<b>Specific Occupational Skills Standards</b>	<b>Alaska Reading, Writing, Math, &amp; Science Standards</b>	<b>Alaska Employability Standards</b>	<b>Alaska Cultural Standards</b>	<b>All Aspects of Industry</b>	<b>Formative Assessment</b>
Describe the role of the pharmacy tech, pharmacy code of ethics, and implications for practice.	<u>ASHP</u>  16,17, 29  <u>NCHSTE</u>  6.2	<u>Reading</u>  4.1, 4.2, 4.3, 4.7, 4.8, 4.9  <u>Writing</u>  4.1, 4.2, 4.3, 4.4, 4.5, 3.6  <u>Math</u> M1.4.1, M3.4.2, M3.4.3, M3.4.5, M7.4.1  <u>Science</u>  SA, SC, SE, SG	<u>A-Employability</u>  1, 2, 5, 6, 7  <u>B – Career Develop</u>  1, 2, 4, 5	B2, C2, C3, E3, E4	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

<b>Student Performance Standards</b> <b>(Learner Outcomes or Knowledge &amp; Skill Statements)</b>	<b>Specific Occupational Skills Standards</b>	<b>Alaska Reading, Writing, Math, &amp; Science Standards</b>	<b>Alaska Employability Standards</b>	<b>Alaska Cultural Standards</b>	<b>All Aspects of Industry</b>	<b>Formative Assessment</b>
						Portfolio
Explore, compare, and contrast potential pharmacy careers with respect to education and opportunities.	<u>ASHP</u> 1, 7, 11, 23, 35,  <u>NCHSTE</u> 3 & 4	<u>Reading</u> 4.1, 4.2, 4.3, 4.7, 4.8, 4.9  <u>Writing</u> 4.1, 4.2, 4.3, 4.4, 4.5, 3.6  <u>Math</u> 1.4.2  <u>Science</u> SA, SC, SE, SG	<u>A-Employability</u> 1, 2, 5  <u>B – Career Develop</u> 1, 2, 4, 5	B2, B4, E3, E4	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> 17, 29, 31, & 32  <u>NCHSTE</u> 5 & 6	<u>Reading</u> 4.1, 4.2, 4.3, 4.7, 4.8, 4.9  <u>Writing</u> 4.1, 4.2, 4.3, 4.4, 4.5, 3.6	<u>A-Employability</u> 1, 2, 5, 6, 7  <u>B – Career Develop</u>	B2, E3, E4, E8	Managem ent  Labor  Health Safety	Class Discussions  Written Assignment  Skill Station Assessments  Unit Assessments

<b>Student Performance Standards</b> <b>(Learner Outcomes or Knowledge &amp; Skill Statements)</b>	<b>Specific Occupational Skills Standards</b>	<b>Alaska Reading, Writing, Math, &amp; Science Standards</b>	<b>Alaska Employability Standards</b>	<b>Alaska Cultural Standards</b>	<b>All Aspects of Industry</b>	<b>Formative Assessment</b>
			1, 2, 4, 5			Final Exams Student Demonstration Research Project Student Presentation Portfolio
Identify medications by brand or generic name, indication(s) of use, and drug class.	<u>ASHP</u> 2, 3, 4, 5, 24, 34  <u>NCHSTE</u> 2.2	<u>Reading</u> 4.1, 4.2, 4.3, 4.7, 4.8, 4.9  <u>Writing</u> 4.1, 4.2, 4.3, 4.4, 4.5, 3.6  <u>Science</u> SC, SC2	<u>A-Employability</u> 2	B2, E4	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	<u>ASHP</u>	<u>Reading</u>	<u>A-Employability</u>	B2, E3,	Tech Pro Skills	Class Discussions

<b>Student Performance Standards</b> <b>(Learner Outcomes or Knowledge &amp; Skill Statements)</b>	<b>Specific Occupational Skills Standards</b>	<b>Alaska Reading, Writing, Math, &amp; Science Standards</b>	<b>Alaska Employability Standards</b>	<b>Alaska Cultural Standards</b>	<b>All Aspects of Industry</b>	<b>Formative Assessment</b>
used in pharmacy practice.	2,3,4, 25, 26  <u>NCHSTE</u>  2	4.1, 4.2, 4.3, 4.7, 4.8, 4.9  <u>Writing</u>  4.1, 4.2, 4.3, 4.4, 4.5, 3.6  <u>Math</u> M1.4.1	2	E4		Written Assignment  Skill Station Assessments  Unit Assessments  Final Exams  Student Demonstration  Research Project  Student Presentation  Portfolio
Identify different dosage forms and routes for medications.	<u>ASHP</u>  3, 4, 30, 34  <u>NCHSTE</u>  1.3	<u>Math</u> M1.4.1  <u>Science</u>  SA, SC, SC2	<u>A-Employability</u>  2	B2, E3, E4	Tech Pro Skills	Class Discussions  Written Assignment  Skill Station Assessments  Unit Assessments  Final Exams  Student Demonstration

<b>Student Performance Standards</b> <b>(Learner Outcomes or Knowledge &amp; Skill Statements)</b>	<b>Specific Occupational Skills Standards</b>	<b>Alaska Reading, Writing, Math, &amp; Science Standards</b>	<b>Alaska Employability Standards</b>	<b>Alaska Cultural Standards</b>	<b>All Aspects of Industry</b>	<b>Formative Assessment</b>
						Research Project  Student Presentation  Portfolio
Understand proper safety techniques to prevent accidents and to maintain a safe work environment.	<u>ASHP</u>  12, 14,15, 25, 35  <u>NCHSTE</u>  7	<u>Reading</u>  4.1, 4.2, 4.3, 4.7, 4.8, 4.9  <u>Writing</u>  4.1, 4.2, 4.3, 4.4, 4.5, 3.6	<u>A-Employability</u>  2, 6, 7  <u>B – Career Develop</u>  1, 4, 5	B2, B4, E3, E4	Labor Health Safety	Class Discussions  Written Assignment  Skill Station Assessments  Unit Assessments  Final Exams  Student Demonstration  Research Project  Student Presentation  Portfolio
Participate in CTSO classroom activities.	<u>ASHP</u>  22, 24, 25  <u>NCHSTE</u>	<u>Reading</u>  4.1, 4.2, 4.3, 4.7, 4.8, 4.9  <u>Writing</u>	<u>A-Employability</u>  1, 2, 3, 4, 5  <u>B – Career</u>	A7, B2, C2, C3, E1, E3, E7	Bus Planning Mgmt  Community Work Habit  Tech Pro	Class Discussions  Written Assignment  Skill Station

<b>Student Performance Standards</b> <b>(Learner Outcomes or Knowledge &amp; Skill Statements)</b>	<b>Specific Occupational Skills Standards</b>	<b>Alaska Reading, Writing, Math, &amp; Science Standards</b>	<b>Alaska Employability Standards</b>	<b>Alaska Cultural Standards</b>	<b>All Aspects of Industry</b>	<b>Formative Assessment</b>
	1	4.1, 4.2, 4.3, 4.4, 4.5, 3.6	<u>Develop</u>  1, 2, 3, 4, 5		Skills	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)**

E-Learning Program:

PassAssured's Pharmacy Technician Training Program: [www.passassured.com](http://www.passassured.com)

Suggested Text:

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

Other Instructional Resources:

American Pharmacists Association. (2004). *The pharmacy technician*. (Latest edition). Englewood: CO: Morton.

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

**DISTRICT NAME: Kenai Peninsula School District**

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.