

Presented by:

Annaleah Karron

KPBSD College & Career Readiness
Coordinator

akarron@kpbsd.k12.ak.us



KPBSD Career & Tech Programs

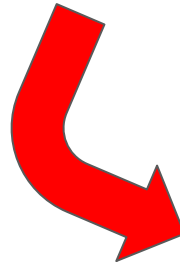
Inspiring students. Building Skills.
KPBSD CTE program creates opportunities
for students to explore careers & gain
necessary skills for their future.

Career Clusters & Carl Perkins Funding

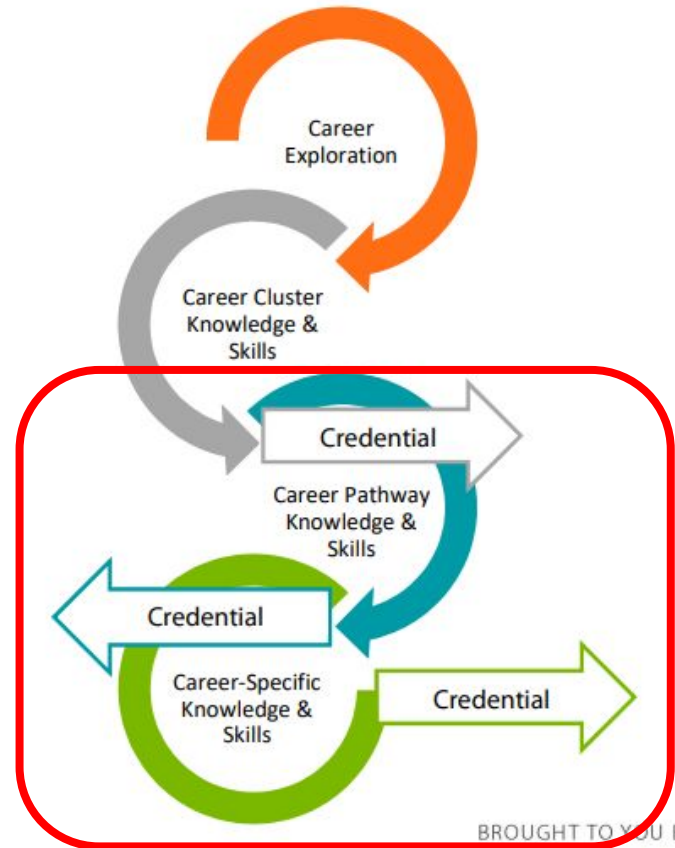
Perkins funding requires a clear Pathway or “Program of Study” it is NOT intended to be Exploratory / Elective opportunities.

Programs of Study consist of an intentional sequence of specialized courses; Link secondary and postsecondary education; Integrate challenging academic and technical instruction; Include dual credit opportunities; Lead to an industry-recognized credential, certificate or degree

*Perkins funding CAN be used for Pre-Knowledge & skills if directly linked TO a pathway. Pending Approval.

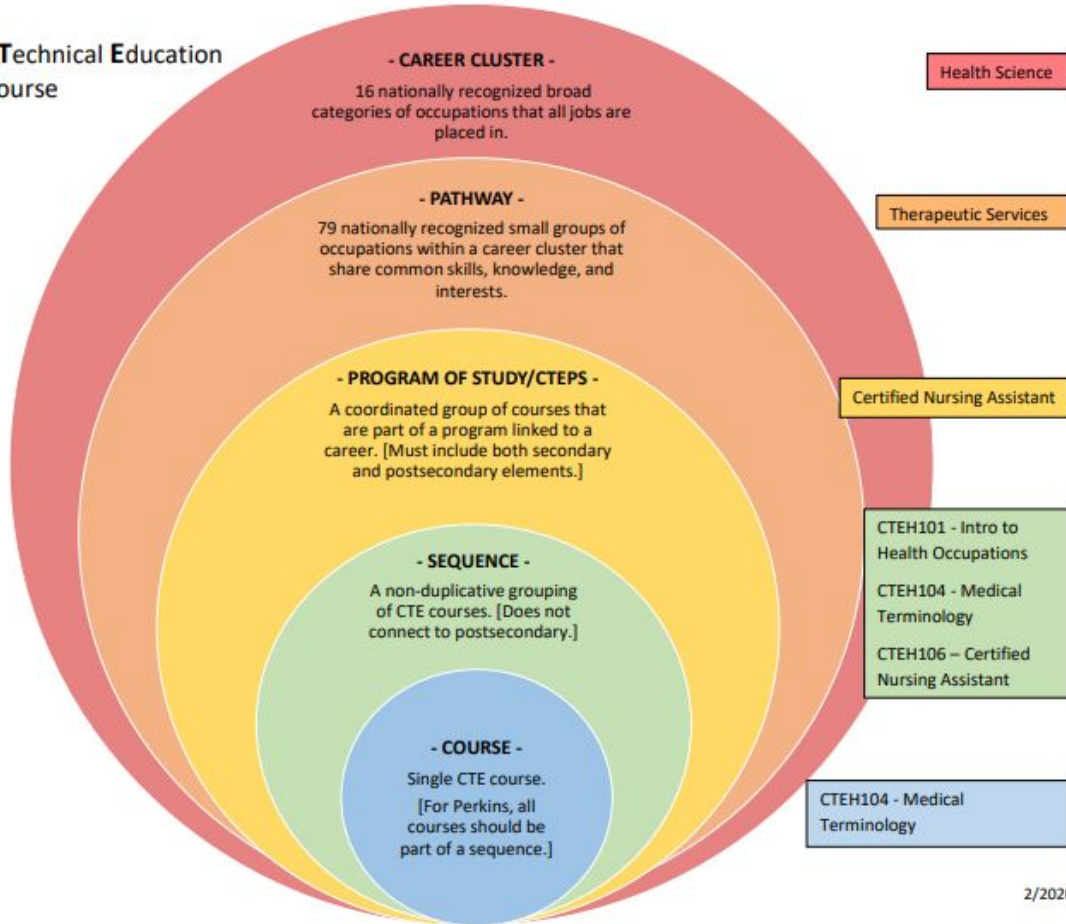


A Program of Study's Progression



BROUGHT TO YOU BY:

Career and Technical Education
Cluster to Course



16 Career Clusters

79 Pathways of Occupational groups

A group of courses that lead to a Career including post secondary

Set of 2 or more high school courses leading towards a CTEP

A single Course

Current KPBSD Clusters: We currently have classes in 13 Clusters.

- Agriculture, Food & Natural Resources
- Architecture & Construction Architecture & Construction
- A/V Technology & Communications
- Business, Management & Administration
- Education & Training
- Hospitality & Tourism
- Human Services
- Information Technology
- Health Science
- Manufacturing
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics
- Law, Public Safety, Corrections & Security

- Government & Public Administration
- Marketing
- Management
- Planning, Management & Regulation

****Work based experience are offered in ALL Clusters:**

- Career Based Learning Cooperative Work Experience [WW708]
- Career Based Learning: On The Job Training [WW710]

What does CTE look like in KPBSD?

Current Course Offerings *Classes count in other Clusters



Homer HS Natural Resources

- **Agriculture, Food & Natural Resources**
 - Nautical Skills, Introduction to (AVTEC)]
 - Power Mechanics 1
 - Marine Technology (AVTEC)
 - Natural Resources Technology
 - Natural Resources Technology II
- **Business, Management & Administration**
 - *Employability Skills
 - Accounting 1
 - Commercial / Yearbook Publishing
 - Desktop Publishing 1
 - Marketing 1



● Architecture & Construction

- *CAD/CAM
- Construction / Manufacturing Woods
- Construction Manufacturing Metals
- *Drafting 1 / 2
- Construction 1 / 2 / 3 / 4
- Welding 1 / 2 / 3 / 4
- Woodworking 1 / 2



SOHI Construction



KMS Woodworking

- **Education & Training**

- Introduction to Education (EdRising)
- Development as a Professional Educator (EdRising)



iChoice Teachers: Beth Swaby & Emanuela Pokryfki

- **Human Services / Hospitality**

- Culinary Arts 1
- Foods 1 / 2
- Child Development 1 / 2
- Consumer Education
- Culinary Arts 2
- Family & Consumer Science
- Nutrition of Food
- MS Intro to Foods



KCHS Culinary Class

- **Health Science**

- Certified Nursing Assistant
- Emergency Trauma Technician
- Medical Terminology
- Pharmacy, Introduction to
- Emergency Medical Technician (EMT)



Homer Area ETT Class

- **Manufacturing**

- *CAD/CAM
- *Power Mechanics 1 / 2
- Welding 1/ 2/3/4



SOHI EMT Class

● Information Technology

- Computer Science
- *Web Design (PWSC/ iReady)
- PWSC Tech Learner Courses
- Digital Electronics (PLTW)
- Cybersecurity (*Fall 23)



PENINSULA CLARION.COM

Kenai Peninsula esports teams ready for state championships | Peninsula Clarion
Players contend with changing games, increased pressure, rival rematches

● A/V Technology & Communications

- *Computer Applications 1/2/3/4
- *Digital Photography 1
- **Commercial Communications 1 / 2
- *Digital Photography 2

The University of Alaska Anchorage GenCyber Academy is a free, two-week summer camp for Alaskans currently enrolled in the 10th-12th grades. The Academy strives to provide a broad background for students who are interested in pursuing cybersecurity as a career.

Participants will learn:

- How to think like an attacker and be an ethical hacker
- About essential security technologies and techniques
- How to build secure systems
- And about cybersecurity career pathways

Our goal is to inspire the next generation of cybersecurity professionals who will help to protect Alaska's citizens and infrastructure. We want participants who are committed to bettering themselves and their community. We want participants who will work hard to gain the knowledge and skills they need to make Alaska a safer place.

Join the Next Generation of Cybersecurity Professionals!

What: Two-Week Summer Camp
Who: 10th-12th Graders
Where: UAA's Anchorage Campus
When: July, 2023
How Much: FREE

Learn more and apply by visiting www.uaa.alaska.edu/gencyber

ALASKA TECH LEARNERS

FALL SEMESTER 2022

TECH A222 CLIENT-SIDE SCRIPTING LANGUAGES 3 CR
CRN: 77047

Includes:

- Browser architecture
- JavaScript data types
- Anonymous and named functions
- Event listeners
- The Document Object Model (DOM)
- Client-side security concerns
- Cookies
- Local storage
- Dynamic Hypertext Markup Language (DHTML)
- Ajax
- jQuery and jQuery User Interface (UI)

University level course in computer science!

FREE TUITION FOR PARTICIPATING HIGH SCHOOL TEACHERS & STUDENTS!

Register Today!
 EMAIL: aktechlearners@alaska.edu
 907-834-1633
<https://pwsc.alaska.edu/aktechlearners>

What does CTE look like in KPBSD?

- **Science, Technology, Engineering & Mathematics (STEM)**

- Introduction to Engineering (PLTW)
- Robotics
- Principles of Engineering (PLTW)
- Metal Processes 1
- *Principles of Technology I

- **Law, Public Safety, Corrections & Security**

- Justice 1 / 2
- Introduction to Criminal Justice
- Criminal Forensics

- **Transportation, Distribution & Logistics**

- Automotive Tech 1/2/3
- WDC Welding Fabrication 1 / 2
- Small Engine Repair (Yamaha)

Kenai Middle
Robotics



Homer High
Welding



Razdolna Mobile Welding
Lab



Inspiring Students.
Building Skills.

Current Opportunities!

- **KPC/KBC:** CNA, Welding, Process Technology, Art, and MORE!
- **AVTEC:** [Young Mariners Nautical Course](#) (10 spots for Spring)
- **ETT/ EMT** SOHI (S1) Kenai (S2) Homer (after hours class) (*KPC course also available).
- **PWSC:** [Tech Learners Courses](#)
*Contact Beth Swaby for KPBSD iChoice options.
- **iChoice:** Computer Sciences, Intro to Education (EdRising) [Current Offerings HERE:](#)
- **Workforce Development Center (WDC):** Auto, Welding, CAD/CAM

*Additional courses offered at individual schools!
Just ask!



Outside Organizations

- UAF CTC Programs:
<https://www.ctc.uaf.edu/>
- Kenai Peninsula Economic Development District:
<https://kpedd.org/>
<https://kenaipeninsulaworkforce.org/>
- Alaska General Contractors:
www.webuildalaska.com
- UAF RAHI Summer Program
<https://www.uaf.edu/rahi/>
- UAF Mining and Petroleum Training [MAPTS](#)



Future Opportunities!

- **Spring CNA @ KPC -**
 - Fridays 8-5pm + 2 Week Practicum
 - Planning for Homer & Seward opportunities!
- **CTE Intensive / Camps -** We are looking for instructors and topics for hands-on CTE Camps
 - RiggSafe / Scaffolding / OSHA / ETT / FF1 and more!
- **Spring CTE Teacher PD Training Grant:** Construction / Computer Science & Human Services (Health / Education)
- **College & Career Fair - Fall 23**

CTE PD?! What does that look like?

2 Day Inservice: Curriculum Work - Creating Skills checklists & aligning courses

- **Jan 12-13** - Human Services
- **Jan 23-24** - CS Group
- **Feb 9-10** - Shop Teachers

2 Additional Days: Complete Industry certification/ training related to your courses ([choose from the list of options](#))

Early Release **Collaboration** & Release Time to complete additional hours.

- February 10
- March 9/ 10
- April 14

+Optional College Credit available (3 credit / 500 level PD)

Goals: Products of our work

- [Perkins Crosswalk](#) w/ Standards
 - Unit Maps with outlines
 - Skills Checklists / Supply Lists
- + Clear Pathway Overview Document
- + [Industry Training / Certification / College Credits](#)



CAREER & TECHNICAL EDUCATION

BUILDING PATHWAY

CONSTRUCTION TRADES PROGRAM

CTE COURSE SEQUENCE

FOUNDATIONAL (9TH & 10TH)	TECHNICAL (11TH & 12TH)
<input type="checkbox"/> Intro to Career Pathways <input type="checkbox"/> Technical Drafting - M <input type="checkbox"/> Architectural Drafting - M	<input type="checkbox"/> Construction Trades 1 & 2 - M

ACADEMIC ELECTIVE CREDITS: S = SCIENCE M = MATH LA = LANGUAGE ARTS SS = SOCIAL STUDIES

ACADEMIC RIGOR	EARLY COLLEGE CREDIT OPTIONS	COLLEGE CREDITS
<input type="checkbox"/> Precalculus with Trigonometry <input type="checkbox"/> Chemistry <input type="checkbox"/> Physics	DUAL ENROLLMENT <input type="checkbox"/> Technical Drafting 1 <input type="checkbox"/> Technical Drafting 2 <input type="checkbox"/> Architectural Drafting 1 & 2	1 cr 1 cr 3 cr

STUDENT ORGANIZATION (CTSO)

Skills USA

CERTIFICATION

AutoCAD
 NCCER

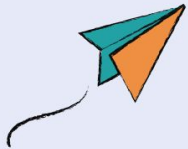
AP (WITH PASSING SCORE ON AP EXAM)

AP Biology
 AP Chemistry
 AP Physics

www.matsuk12.us/careerteched • 907-746-9274



Counselors Corner & OneStop Info



AKCIS - Career Planning - Students access through KPBSD/ Clever Link <https://acpe.alaska.gov/PLANNING/AKCIS>

***MS** - EdRising MS Curriculum, AKCIS Jr. and Kids2College

Scholarship Folder - Find local scholarships or state & National ones related to your career interests.

APS Information - Start this conversation in Middle School!

<https://acpe.alaska.gov/FINANCIAL-AID/AK-Performance-Scholarship>



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Questions?



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