



Alaska Career and Technical Education Plan

The *Alaska Career and Technical Education Plan – A Call to Action* was created by the collective effort of Alaskans from across the state and approved by Commissioner Clark “Click” Bishop (DOLWD), Commissioner Larry LeDoux (EED), and President Pat Gamble (UA President) and formally supported by their respective governing boards, the Alaska Workforce Investment Board, the State Board of Education & Early Development, and the University of Alaska Board of Regents. These three entities are now diligently working together to make this unique effort a reality that reaches across agency boundaries to prepare Alaskan students to support their families and meet the needs of Alaskan employers.

- This plan outlines a comprehensive, integrated career and technical education (CTE) system for Alaska that align training programs and coordinates delivery to prepare our citizens – youth and adults – for Alaska careers. The six strategies outlined in the Alaska Career and Technical Education Plan are:
 - 1) Make transitions planned and accountable for both successful student progress and systemic cooperation;
 - 2) Align curricula at all training institutions to meet current industry standards – including academic, professional, and technical skills – from elementary through secondary to postsecondary and professional development levels;
 - 3) Identify and promote career and technical education delivery models that ensure that all Alaskans have the opportunity to attain the knowledge and skills needed for further training and careers;
 - 4) Recruit, develop, support, and retain high-quality CTE teachers and faculty;
 - 5) Maximize the use of public facilities for training; and
 - 6) Establish and maintain sustainable funding mechanisms for a successful CTE system for youth and adults.
- Current Information (01/26/11): According to Research and Analysis (DOLWD), the Level of Required Education for Alaska Jobs in 2008 was:
 - 20.3% of Alaska Jobs require a Bachelor’s Degree and Above
 - 8.7% of Alaska Jobs require an Associate Degree or Vocational Training
 - 71% of Alaska Jobs require experience in a related occupation, long-term on-the-job training, moderate-term on-the-job training or short term on-the job training
- The Alaska Legislative Conference Committee has approved \$625K to DOLWD for FY12, to begin the implementation of priority actions that cannot be accomplished by re-directing current funding sources. The three lead agencies - EED, DOLWD, and UA - are developing a management plan to coordinate and align CTE Plan implementation strategies across throughout their respective agencies.



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FY11 Implementation Activities that are currently occurring:

Strategy 1: Transitions

- The purpose, elements and template for Personal Learning Career Plans (PLCPs) are drafted and are posted on the CTE Plan website (<http://www.labor.state.ak.us/awib/cte.htm>).
- Transition discussions occurring between secondary and postsecondary institutions – on hold – RTCs’ are discussing on how to make transitions between secondary schools to RTCs’ to University system.
- EED, UA, and Tech Prep developing programs of study, sequencing courses from secondary to postsecondary education and training – ongoing – different articulation modes, listing course by course, two or more classes with distance delivery.
- EED CTE Career Plan Pilots using AKCIS (Alaska Career Information System) – PTA sponsoring this activity, possibly during their conference, website, and outreach.
- Coordinating program development and delivery among training programs to reduce duplication of efforts and the need for remediation – reviewing “program of excellence” criteria, discussions with RTCs, AVTEC – Alaska’s Institute of Technology - Pre-TABE activities via distance delivery, etc.
- UA TVEP funds used to develop and update educational pathways across the UA system.
- Model PLCPs using electronic portfolios in AKCIS have been developed for Middle School and Grade 9-12 programs.
- EED is sponsoring UAA distance-delivered courses for middle and high school educators in using AKCIS for career planning programs and PLCPs.
- EED presented AKCIS/PLCP training to state Special Education Conference, DVR, Department of Corrections, Alaska School Counselors, and some DOLWD Career Guides.

Strategy 2: Curricula

- Developing an inventory of current CTE programs and curricula and making the information publicly accessible. – RTC’s are done and exploring how to keep updated and included other relevant information (e.g. program pre-requisites). A partial list is available from EED. Currently EED is identifying examples.
- Piloting model of pedagogy, academic integration, and collaboration between secondary math and CTE teachers.
- EED, AWIB/DOLWD, and University staff is working with industry to identify industry standards and priority careers/occupations.
- EED is developing a list of valid third-party technical skill assessments (TSAs) for use in secondary CTE programs.
- Piloting online course submission form for EED review of secondary CTE course curriculum.



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- EED is working with UA to develop and promote curriculum in green technology, weatherization and healthcare.

Strategy 3: Delivery Models

- EED is piloting a project with AVTEC – Alaska’s Institute of Technology, for distance delivery of Marine Technology and Computer Applications courses that articulate with postsecondary programs.
- Identifying examples and data on Alaska CTE delivery models are being identified and a delivery model definition is being developed.
- CTSO advisors are working on a variety of tasks, specifically on cross walking employability skills with the CTSO programs. Future Educators of Alaska is recognized as a new Alaska CTSO and they are working on the MOU process for a new education course that will be offered for concurrent credit.

Strategy 4: Quality CTE Teachers and Faculty

- Working closely with the EED Teacher Quality group to review and improve the CTE teacher certification process.
- Grant project with UAA/CTC/Career & Technical Education to support CTE professional development, including related industry externships for CTE teachers and guidance personnel – One more year – design a TIE model for teacher to use to attain credit.
- UAA – CTC CTE and EED CTE are developing CTE Leadership training cohort.
- EED is working with AACTE to develop a model for CTE leadership training and CTE staff development.

Strategy 5: Facilities

- Completed RTC and UA System training facilities and program inventories.
- EED has collected self reporting data on public middle and high schools (including K-12) to identify district-reported status of CTE facilities and is in the process of analyzing the data and writing a report.

Strategy 6: Funding

- EED, AWIB/DOLWD, and UA have committed staff and resources towards developing and implementing the plan.
- FY12 – the Alaska Legislative Conference Committee has approved \$625K, to begin the implementation of priority actions that cannot be accomplished by re-directing current funding sources.
- Alaska legislature passed SB 84, which provides dedicated CTE funding equal to 1% of the Base Student Allocation for FY12.