

Perkins IV – Career and Technical Education Primer

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THEN

NOW

Vocational Education	Career and Technical Education
For a Few Students	For All Students
For a Few “Jobs”	For All “Careers”
6 to 7 “Program Areas”	16 Clusters—81 Pathways
In Lieu of Academics	Aligns/Supports Academics
High School Focused	High School and College Partnerships



Perkins Themes

- Accountability and program improvement
- Secondary-postsecondary connections
- Links to rigorous academics
- Stronger focus on business and industry

Perkins Accountability

- Separate secondary and postsecondary indicators
- New local requirements
- More specific improvement plan and sanction language
- Must have valid and reliable measures

Accountability – Secondary Indicators

- Academic achievement – on NCLB assessments
- Technical attainment – industry standards when possible
- Attainment of (I) a diploma, (II) a GED, (III) a proficiency credential in conjunction with a diploma
- NCLB graduation rates
- Placement in postsecondary, military, or employment
- Participation and completion of non-traditional programs

Accountability – Postsecondary Indicators

- Technical attainment – industry standards when possible
- Attainment of industry recognized credential, certificate, or degree
- Retention in postsecondary (including transfer to 4-year)
- Placement in military or apprenticeship, or placement or retention in employment – including high skill, high wage, or high demand
- Participation and completion of non-traditional programs

Funding Distribution

- Based on states' populations in certain age groups and per capita income.
- Distribute at least 85 percent of Title I funds to LEAs, area CTE schools, and community colleges.
- Split funds between secondary and postsecondary levels.
- On average, 64 percent of funds are spent at secondary level and 36 percent at postsecondary level.

CTE and Academic Success

- CTE concentrators take more and higher level math than their general track counterparts.
- Occupational concentrators increased their 12th-grade test scores on NAEP by about 8 scale points in reading and 11 points in math.
- A ratio of one CTE class for every two academic classes minimizes the risk of students dropping out of high school.
- 81 percent of dropouts said that “more real world learning” may have influenced them to stay in school.



Program of Study. . .

a coherent articulated sequence of rigorous academic and career courses, commencing in the ninth grade and leading to an associated degree, and/or an industry-recognized certificate or licensure, and/or a baccalaureate degree and beyond.



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CENTER PRIORITIES	Engagement	Achievement	Transition
<p>Photo credit: ACTE</p>			CENTER ISSUES <ul style="list-style-type: none"> Programs of Study Curriculum Integration Math-in-CTE Dual Enrollment Dropout Accountability

From the Director



Recent Publications

16 Career Clusters



www.careertech.org

Agriculture, Food and Natural Resources: Agribusiness Systems

Career Pathway Plan of Study for ▶ Learners ▶ Parents ▶ Counselors ▶ Teachers/Faculty

This Career Pathway Plan of Study (based on the Agribusiness Systems Pathway of the Agriculture, Food and Natural Resources Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Agribusiness Systems Pathway	SAMPLE Occupations Relating to This Pathway
<i>Interest Inventory Administered and Plan of Study Initiated for all Learners</i>								
SECONDARY	9	English/ Language Arts I	Algebra I	Earth or Environmental Science	State History Civics	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Supervised Agricultural Experience (SAE) and participation in appropriate FFA activities support and reinforce classroom and laboratory learning and should be a requirement for all students.	- Introduction to Agriculture, Food and Natural Resources	Occupations Requiring Postsecondary Education <ul style="list-style-type: none"> ▶ Agricultural Chemical Dealer ▶ Agricultural Products Buyer-Distributor ▶ Bank/Loan Office ▶ Dairy Herd Supervisor ▶ Entrepreneur ▶ Farm Manager ▶ Farmer-Rancher-Feedlot Operator ▶ Feed-Supply Store Manager ▶ Field Representatives for Bank, Insurance Company or Government Program ▶ Livestock Manager ▶ Sales Manager ▶ Salesperson
	10	English/ Language Arts II	Geometry	Biology	U.S. History		- Introduction to Agricultural Marketing, Business and Entrepreneurship	
	11	English/ Language Arts III	Algebra II or other math course	Chemistry or other science course	World History		- Accounting	
	<i>College Placement Assessments-Academic/Career Advisement Provided</i>						- Agricultural Business Management	
	12	English/ Language Arts IV	Statistics or other math course			- Agricultural Economics		
						- Internship in Agribusiness		
<i>Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.</i>								
POSTSECONDARY	Year 13	English Composition	Algebra	Chemistry	American Government	All plans of study need to meet learners' career goals with regard to required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.	- Introduction to Agribusiness	Occupations Requiring Baccalaureate Degree <ul style="list-style-type: none"> ▶ Agricultural Commodity Broker ▶ Agricultural Economist ▶ Agricultural Educator ▶ Agricultural Lender ▶ Banker/Loan Officer ▶ Farm Investment Manager ▶ Produce Commission Manager
	Year 14	Speech/ Oral Communication		Biological Science or Botany	American History Geography		- Principles of Agribusiness	
	Year 15	Technical Writing	Statistics		Psychology		- Agricultural Economics	
	Year 16	Continue courses in the area of specialization.						
						- Agricultural Finance		
						- Agricultural Advertising/Merchandising		
						- Continue Courses in the Area of Specialization		
						- Complete Agribusiness Systems Major (4-Year Degree Program)		

Career Readiness

Three key components:

- Academic skills
- Employability skills
- Technical skills



ACTE Resources and Activities

Resources

- Web site (www.acteonline.org)
- CTE Policy Watch Blog
- Legislative Updates
- Issue Briefs and Policy Papers
- State Profiles
- Research Clearinghouse
- Promising Programs Info
- NRCCTE (<http://136.165.122.102/mambo/>)

Events

- ACTE Annual Convention
December 2-4
Las Vegas, NV

Questions?



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