# An Introduction to Illinois CTE Programs of Study 2008

Illinois State Board of Education



Illinois Community College Board

### **PERKINS IV**

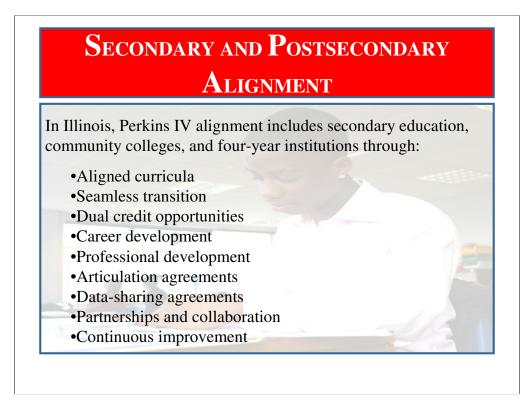
"The premise of this legislation is that high schools, industry, and higher education institutions need to work together to provide our workforce with the skills they need in order to achieve and compete in the 21st century. This bill works to ensure that American students are not just getting a world class education, but the best education in the world."

- Sen. Christopher Dodd (D-CT)

The Carl D. Perkins Career and Technical Education Improvement Act of 2006 (Perkins IV) seeks to provide students with the academic and technical skills necessary to succeed in the 21st Century knowledge- and skills-based economy. Perkins IV facilitates seamless transitions for students from secondary to postsecondary education and careers. CTE programs under Perkins IV will be held to specific, valid and reliable accountability standards as well as industry-based standards. Perkins IV requires secondary and postsecondary education to work with numerous constituency groups including business and industry, local communities, counselors, principals, parents, students including special populations, to place students in high-wage, high-skill, or high-demand occupations.



See www.acteonline.org/policy/legislative\_issues/Perkins\_background.cfm for additional information



Secondary and postsecondary alignment is very important to Perkins IV and the Career Cluster framework. In Illinois, this alignment includes secondary education, community colleges, and four-year institutions through

Seamless transition

**Reduced remediation** 

Non-duplicated courses

Integrated academic and CTE curricula

Standards-based curricula aligned with industry credentials and/or certification

Dual credit opportunities

Career development

Professional development

Articualtion agreements

Data-sharing agreements

Partnerships and collaboration

Continuous improvement

## Illinois

Alignment is needed in Illinois as students are leaking through the educational pipeline.



# THE STUDENT PIPELINE

Educational attainment in Illinois, 2005:

- Age 18-24 with HS Diploma: 78.6%
- Age 25-64 with HS Diploma: 88.4%
- Age 25-64 with Associate Degree: 8.3%
- Age 25-64 with Bachelor's or Higher: 31.8%
- Age 25-64 with Graduate/Prof. Degree: 11.7%

NCHEMS (March 17, 2008). A public agenda for Illinois higher education: Planning for career and college success. Summary observations and findings regarding public need.

## THE STUDENT PIPELINE CONT.

Percentage of 9<sup>th</sup> graders graduating from high school, four years later by race/ethnicity:

96.4%: Asian

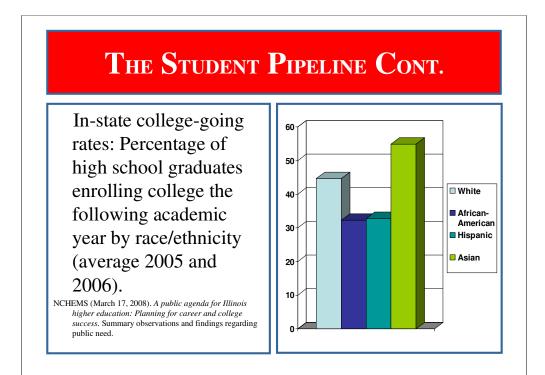
84.4%: White

60.4%: Hispanic

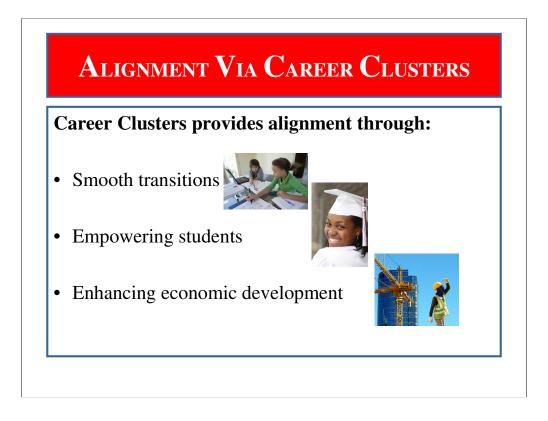
52.0%: African-American



NCHEMS (March 17, 2008). A public agenda for Illinois higher education: Planning for career and college success. Summary observations and findings regarding public need.







Career Pathways, Career Clusters, and POS allow students to get more involved and perform better in school by combining rigorous academics with career education so that students have a clear path to their future. Students who understand the relevance of what they are learning and how it aligns with a pathway to their educational and occupational goals, achieve greater success in high school and beyond. Career Clusters:

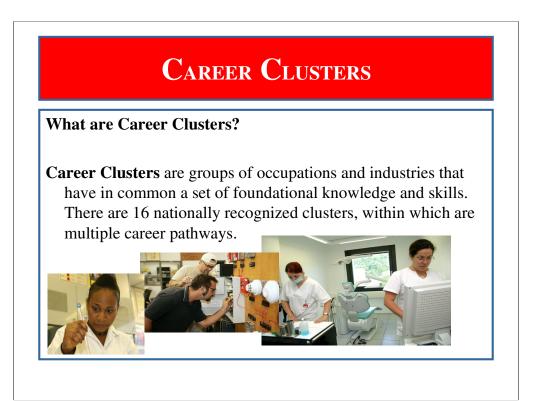
Create clear educational pathways students can follow from secondary to postsecondary education, to the workplace

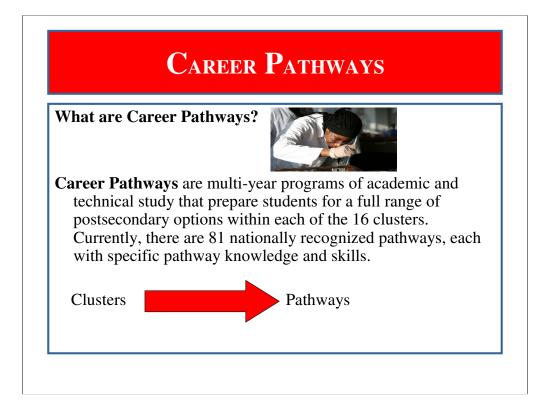
Create smooth transitions in the educational pipeline

Empower students through information and experience they need to make educational choices

Design individual plan of study

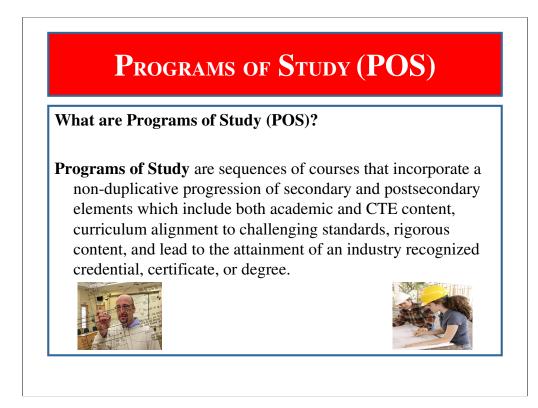
Comprise a key element in enhancing economic development by connecting schools with business and industry.



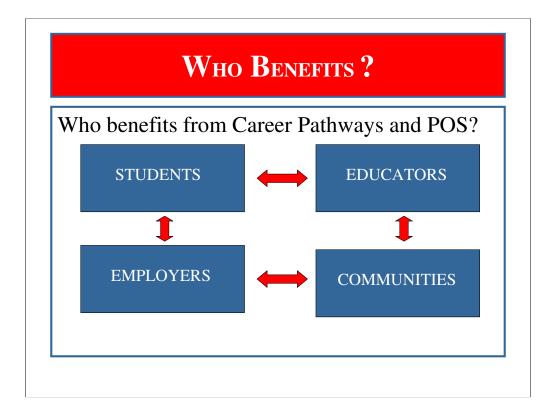


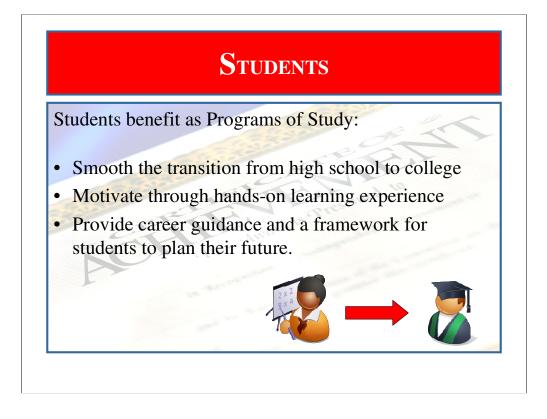
These pathways provide a context for exploring career options at all levels of education and a framework for linking learning to the skills and knowledge needed for future education and employment

Pathway knowledge and skills are built on a common core of knowledge and skills required for career success in all POS aligned with the pathway. This core is specific to the pathway and consists of elements selected by secondary and postsecondary educators with input from business and industry and other stakeholders.

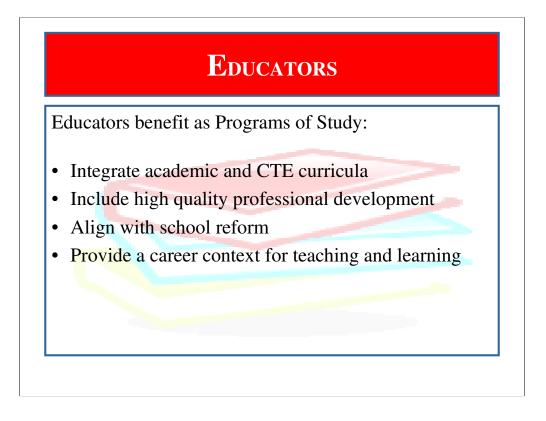


**Programs of Study (POS)** are a sequence of courses that incorporate a nonduplicative progression of secondary and postsecondary elements which includes both academic and CTE content. An effective POS should start no later than the 9<sup>th</sup> grade and continue through at least 2 years of postsecondary education. A POS includes opportunities to earn college credit (dual credit) in high school, an industryrecognized credential or certificate at the secondary/postsecondary level, and an associate or baccalaureate degree.

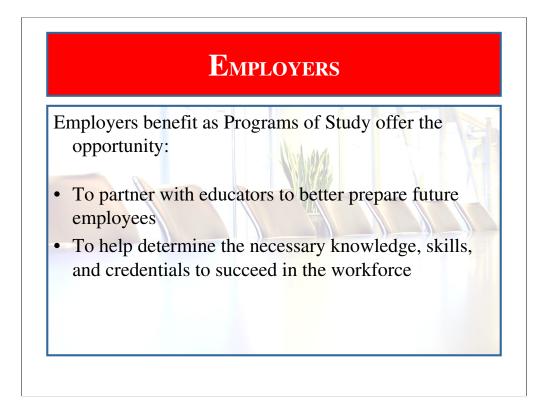




Students benefit as POS provide a link between education and careers. Pathways provide career guidance and a framework for students to plan their future. Students are more motivated when they can see the relevance of their education and are provided with smooth transitions to college and careers.



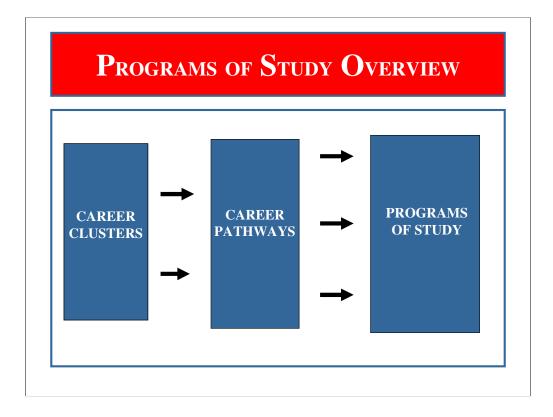
Educators benefit as POS provide support for educators to integrate academic and CTE curricula, partake in professional development, align with school reform, and receive administrative support. It also connects educators with local business and industry to ensure that what students learn connects to careers.



Employers benefit as POS provide the opportunity to partner with educators to prepare future employees by determining the necessary skills, certification, and knowledge to succeed in the workforce



Communities benefit from POS as provide a common framework for business and industry to partner with education for economic development and educational planning. Higher levels of educational attainment contribute to increased economic benefit in a community and a healthier local economy.

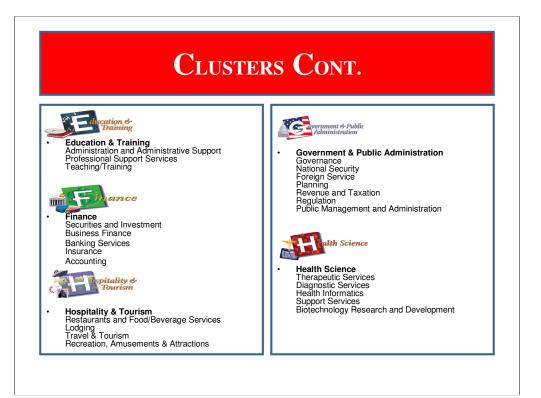


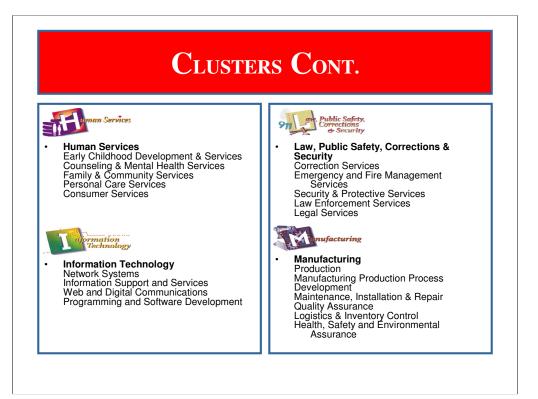
The cluster framework is composed of 16 career clusters, currently 81 pathways and then programs of study which lead to occupations.

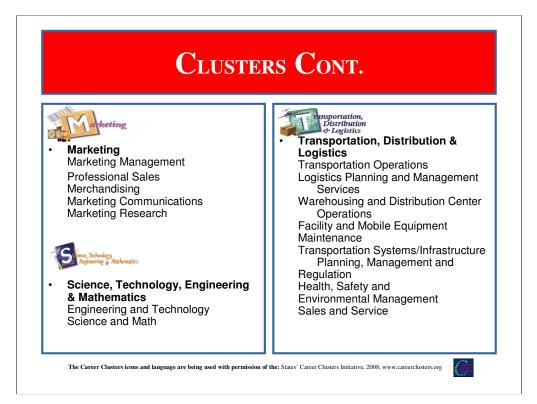
TRANSITION	
<b>ISBE CTE Areas</b>	Career Clusters
Health Services	Health Science
Family and Consumer Sciences	Education & Training; Hospitality & Tourism; Human Services
Agricultural Education	Agriculture, Food, & Natural Resources
Business, Marketing, & Computer Education	Business Management & Administration; Finance; Information Technology; Marketing; Government & Public Administration
Technology & Engineering Education	Architecture and Construction; Arts; Audio/Video Technology & Communications; Law, Public Safety, Corrections & Security; Manufacturing; Science, Technology, Engineering & Mathematics; Transportation, Distribution & Logistics

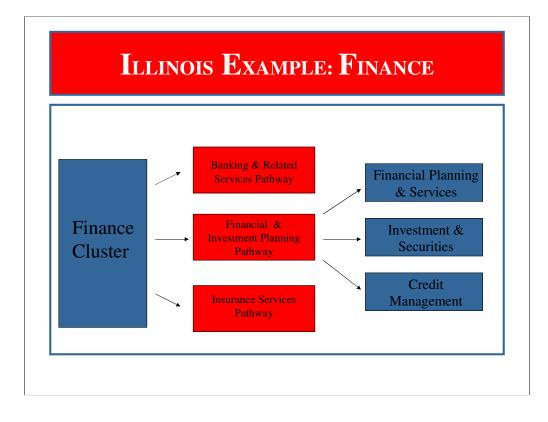
This table illustrates the relationship between the five CTE areas used by the Illinois State Board of Education and the corresponding 16 Career Clusters.



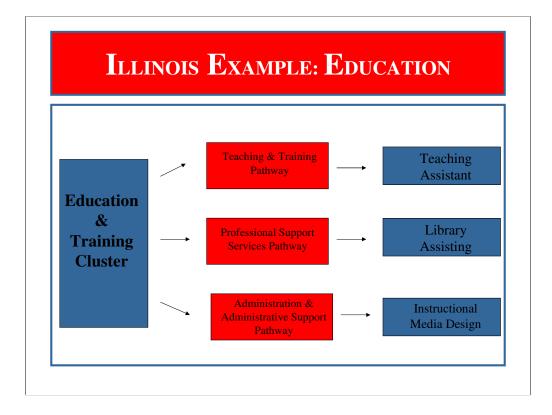








This is an example using Illinois programs and titles of a cluster, three possible career pathways and then three programs of study for one specific pathway. Occupations related to the finance cluster include tax preparation, sales agents, revenue agents, loan officers, tellers, costumer service reps, credit report providers, claims clerks, processing clerks, accountants, economists, financial planners, and foreign exchange managers.



This is an example of the Education and Training Cluster for Illinois including three possible pathways and one POS for each career pathway.

### RESOURCES

#### Perkins IV

Illinois 5-year Perkins IV State plan:

http://www.iccb.state.il.us/pdf/career\_tech/postsecondary/PerkinsStatePlanDraft1-08.pdf

Association for Career and Technical Education (ACTE): http://www.acteonline.org/

#### Illinois Resources

Illinois Community College Board: http://www.iccb.org/cte.html Illinois State Board of Education: http://www.isbe.net/career/default.htm OCCRL Programs of Study Website: http://occrl.ed.uiuc.edu/Projects/perkins/

#### **Career Clusters, Pathways, and POS**

The States' Career Cluster Initiative: <u>http://www.careerclusters.org</u> National Career Pathways Network (NCPN): <u>http://www.cord.org/ncpn-index.cfm</u> Career Voyages – collaboration between the U.S. Department of Labor and U. S. Department of Education: <u>http://www.careervoyages.gov/about-main.cfm</u>