



# Career and Technical Education (CTE) in Illinois 2009

18 of the 20 fastest growing occupations within the next decade will require career and technical education.<sup>1</sup>

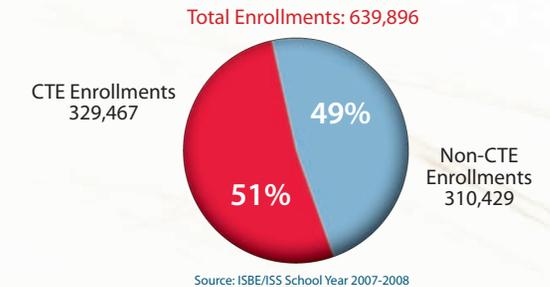
## Fast Growing Illinois Occupations 2006-2016<sup>2</sup>

General Field	Occupation	Hourly Median Wage	Annual Median Wage
<b>Agricultural Education</b>	Landscapers & Groundskeepers	\$10.91	\$22,699
	Landscaping, Lawn Services & Grounds Managers	\$19.08	\$39,680
	Farm, Ranch and Other Managers	\$23.81	\$49,526
	Pesticide Handlers & Appliers	\$15.84	\$32,955
<b>Business, Marketing &amp; Computer Education</b>	Network Systems & Data Communications Analysts	\$33.21	\$69,087
	Customer Service Representatives	\$15.28	\$31,778
	Administrative Assistants & Secretaries	\$19.48	\$40,521
	Retail Salespersons	\$9.75	\$20,275
<b>Family &amp; Consumer Sciences</b>	Culinary: Food Preparers, Cooks, & Chefs	\$8.57–15.86	\$17,833–32,993
	Child Care Workers	\$9.21	\$19,149
	Cosmetologists, Hairdressers & Hairstylists	\$10.85	\$22,565
	Manicurists & Skin Care Specialists	\$12.47–14.83	\$25,284–30,842
<b>Health Science Technology</b>	Medical Assistants	\$13.39	\$27,857
	Home Health Aides	\$9.85	\$20,496
	Nursing Aides, Orderlies & Attendants	\$10.76	\$22,387
	Licensed Practical & Licensed Vocational Nurses	\$18.75	\$39,005
<b>Technology &amp; Engineering Education (Industrial)</b>	Radio/TV Broadcast Technicians	\$17.34	\$36,068
	Automotive Service Technicians & Mechanics	\$17.47	\$36,337
	Automotive Body & Related Repairers	\$18.99	\$39,501
	Plumbers, Pipefitters & Helpers	\$33.33	\$69,327

1. Source: Association of Career and Technical Education, 2007

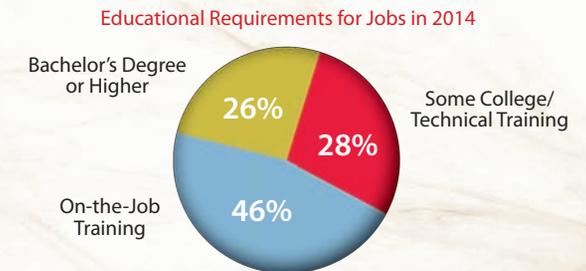
2. Source for Wage Data: Illinois Department of Employment Security (IDES) 2008

### CTE Serves the Majority of High School Students Annually



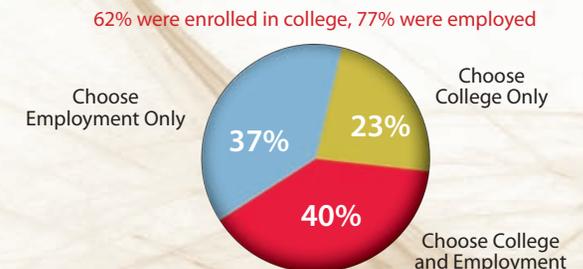
Source: ISBE/ISS School Year 2007-2008

### 21st Century Jobs Require Lifelong Learning



Source: U.S. Bureau of Labor Statistics—Occupational Projection and Training Data 2006-2007

### CTE Students Demonstrate the Skills Needed for College and Employment/Careers



Source: ISBE study of 39,537 CTE training-level graduates Class of 2006.

Data reflects only those students meeting state funding criteria. Many more students are served!



# CTE Courses Prepare Students to Respond to Illinois' Critical Issues

Green Energy & Environment	Health Care	Science, Technology, Engineering & Mathematics (STEM) Skills	Nutrition & Obesity
<ul style="list-style-type: none"> <li>• Heating, Ventilation &amp; Air Conditioning</li> <li>• Business Technology Procedures</li> <li>• Living Environments</li> <li>• Clothing, Fashion &amp; Apparel</li> <li>• Energy Technology</li> <li>• Horticulture Production &amp; Management</li> <li>• Child, Day Care &amp; Education Management</li> <li>• Construction Technology</li> <li>• Computer Repair</li> <li>• Environmental Science</li> <li>• Food Services &amp; Hospitality Management</li> <li>• Resource Management</li> <li>• Agricultural Science</li> </ul>	<ul style="list-style-type: none"> <li>• Pharmacy Technology</li> <li>• Criminal Justice</li> <li>• Medical Records Technology</li> <li>• Health Occupations</li> <li>• Medical Laboratory Technology</li> <li>• Information Processing</li> <li>• Human Development</li> <li>• Certified Nurse Assistant (CNA)</li> <li>• Practical Nursing</li> </ul>	<ul style="list-style-type: none"> <li>• Principles of Technology</li> <li>• Clothing &amp; Textiles</li> <li>• Computer Programming</li> <li>• Architectural Drafting</li> <li>• Engineering Design &amp; Development</li> <li>• Interior Design, Furnishings &amp; Equipment</li> <li>• Financial Management</li> <li>• Biotechnical Engineering</li> <li>• Food Science</li> <li>• Mechanical Drafting &amp; CADD/CAM</li> <li>• Web Page Development</li> <li>• Accounting</li> <li>• Veterinary Technology</li> <li>• Computer Integrated Manufacturing</li> </ul>	<ul style="list-style-type: none"> <li>• Parenting</li> <li>• Business Ownership &amp; Management</li> <li>• Child Growth &amp; Development</li> <li>• Allied Health</li> <li>• Food Services, Hospitality &amp; Management</li> <li>• Foods &amp; Nutrition</li> <li>• Medical Assisting</li> <li>• Agricultural Food Science Technology</li> </ul>

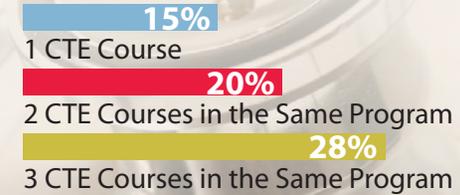
**Career & Technical Education Student Organizations serve over 33,000 high school students by enhancing essential leadership and technical skills through rigorous programming and competition opportunities.**

- BPA:** Business Professionals of America
- DECA:** Marketing, Management and Entrepreneurship
- FBLA:** Future Business Leaders of America
- FCCLA:** Family, Career and Community Leaders of America

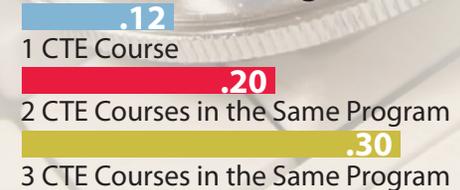
- HOSA:** Health Occupations Students of America
- National FFA:** Agricultural Education
- SkillsUSA:** All CTE Areas
- TSA:** Technology Student Association

## Recent Data Show Career and Technical Education (CTE) Improves Student Performance

### Increases Graduation Rates<sup>1</sup>



### Increases Overall Grade Point Average<sup>1</sup>



### Reduces Drop-Out Rate<sup>2</sup>

81% of students who dropped out said that "more real world learning" may have influenced them to stay in school, according to a Gates Foundation report.

1. Wine-Banks, Jill. Memo to Chicago Public School Board Members: Research Proves ETC Improves CPS Academic Outcomes. Office of Education-to-Careers for Chicago Public Schools, November 29, 2004.

2. Bridgeland, J., et al. The Silent Epidemic. Bill and Melinda Gates Foundation, 2005. <http://www.gatesfoundation.org/nr/downloads/ed/TheSilentEpidemic3-06FINAL.pdf>.