

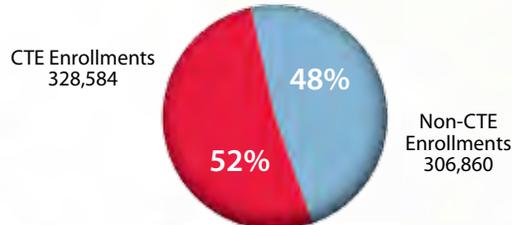


Career and Technical Education (CTE) in Illinois 2010

Illinois' high-growth industries—healthcare, renewable energy, STEM fields—demand highly-skilled employees requiring career and technical training.¹

CTE Serves the Majority of High School Students Annually

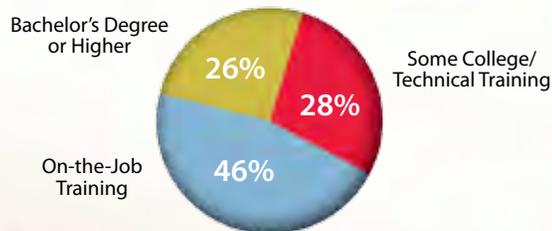
Total Enrollments: 635,444



Source: ISBE/ISIS School Year 2008—2009

21st Century Jobs Require Lifelong Learning

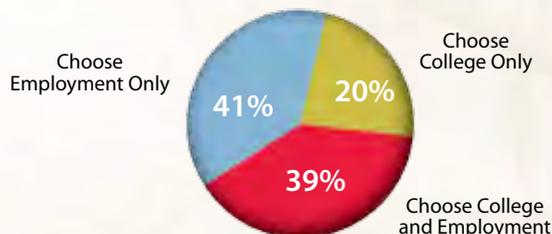
Educational Requirements for Jobs in 2014



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

59% were enrolled in college, 80% were employed



Source: ISBE study of 28,352 CTE training-level graduates Class of 2007.

Illinois Occupational Projections 2006–2016²

General Field	Occupation	Hourly Median Wage	Annual Median Wage
Technology & Engineering Education (Industrial)	Engineering Technicians (Except Drafters)	\$29.33	\$61,013
	Graphic Designers	\$21.12	\$43,927
	Automotive Service Technicians & Mechanics	\$18.19	\$37,837
	Carpenters	\$29.09	\$60,504
Health Science Technology	Medical/Clinical Lab Technician/Technologists	\$18.45–\$24.58	\$38,370–\$51,134
	Nursing Aides, Orderlies, & Attendants	\$11.21	\$23,322
	Licensed Practical & Licensed Vocational Nurses	\$19.53	\$40,624
	Emergency Medical Technicians & Paramedics	\$14.09	\$29,320
Family & Consumer Sciences	Culinary: Food Preparers & Chefs & Head Cooks	\$7.71–\$16.52	\$16,031–\$34,372
	Child Care Workers	\$9.59	\$19,949
	Fashion Merchandising & Display Designers	\$12.28–\$24.41	\$25,588–\$50,779
	Personal & Home Care Aides	\$8.71	\$18,119
Business, Marketing & Computer Education	Claims Adjusters, Examiners, & Investigators	\$28.14	\$58,526
	Counter and Rental Clerks	\$9.46	\$19,685
	Bookkeeping, Accounting, & Auditing Clerks	\$16.25	\$33,800
	Payroll & Timekeeping Clerks	\$17.54	\$36,494
Agricultural Education	Farm, Ranch, & Other Agricultural Managers	\$24.76	\$51,498
	Landscapers & Groundskeepers	\$11.37	\$23,647
	Pesticide Handlers, Sprayers, & Applicators	\$16.50	\$34,332
	Landscape, Lawn Service, & Grounds Managers	\$19.88	\$41,338

1. Source: CTE: Education for a Strong Economy, National Association of State Directors of Career and Technical Education Consortium and Association for Career and Technical Education (NASDCTE), 2009

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



Career and Technical Education



CTE Improves Student Performance & Earnings

Keeps Students In School¹

81% of dropouts report that “more learning opportunities which make the classroom relevant to the real world would have helped them to finish high school,” according to a report to the Gates Foundation.

Increases Earning Potential²

“Students who take at least three CTE courses ... earn 18%, or \$212, more a month than comparable high school graduates after high school.”

Increases Job Prospects^{3, 4}

“The renewable energy and energy efficiency industry would create more than 37 million jobs by the year 2030.”

“Healthcare will generate 3.2 million new wage and salary jobs between 2008 and 2018.”

1. John M. Bridgeland, John Dilulio, and Karen Burke Morison, “The Silent Epidemic: Perspectives of High School Dropouts,” (Washington, DC: Civic Enterprises in association with the Peter D. Hart Research Associates, March 2006), www.gatesfoundation.org/united_states/documents/TheSilentEpidemic3-06FINAL.pdf.

2. Alexander Harris and David Wakelyn, National Governor’s Association Center for Best Practices, Issue Brief: Retooling Career and Technical Education, June 11, 2007, www.nga.org/center.

3. Roger H. Bezdek, “Green Collar Jobs in the U.S. and Colorado: Economic Drivers for the 21st Century,” (Washington, DC: Management Information Services, for American Solar Energy Society, January 2009), www.ases.org/images/stories/ASES/pdfs/CO_Jobs_Rpt_Uan2009_summary.pdf.

4. U.S. Department of Labor, Bureau of Labor Statistics, “Career Guide to Industries: Healthcare,” 2010–2011 Edition, www.bls.gov/oco/cg/cgs035.htm.

In 2009, Illinois Career and Technical Education Student Organizations served over 35,000 high school students in 868 chapters by enhancing essential leadership and technical skills through rigorous programming and competition opportunities.

BPA: Business Professionals of America

DECA: Marketing, Management & Entrepreneurship

FBLA: Future Business Leaders of America

FCCLA: Family, Career & Community Leaders of America

HOSA: Health Occupations Students of America

FFA: Agricultural Education

SkillsUSA: Most CTE Areas

TSA: Technology Student Association

CTE Courses Prepare Students to Respond to Illinois’ Critical Job Issues

Green Energy & Environment	Health Care	Science, Technology, Engineering & Mathematics (STEM) Skills	Nutrition & Obesity
<ul style="list-style-type: none"> • Business Technology Procedures • Living Environments • Clothing, Fashion & Apparel • Energy Technology • Horticulture Production & Management • Child, Day Care & Education Management • Construction Technology • Computer Repair • Environmental Science • Food Services & Hospitality Management • Resource Management • Agricultural Science • Landscape & Turf Management • Natural Resources & Conservation Management 	<ul style="list-style-type: none"> • Pharmacy Technology • Criminal Justice • Medical Records Technology • Health Occupations • Medical Laboratory Technology • Information Processing • Human Development • Certified Nurse Assistant (CNA) • Practical Nursing 	<ul style="list-style-type: none"> • Clothing & Textiles • Computer Programming • Architectural Drafting • Engineering Design & Development • Interior Design, Furnishings & Equipment • Financial Management • Biotechnical Engineering • Food Science • Web Page Development • Accounting • Veterinary Technology • Computer Integrated Manufacturing • Biological Science Applications in Agriculture • Physical Science Applications in Agriculture • Agricultural Biotechnology 	<ul style="list-style-type: none"> • Parenting • Business Ownership & Management • Child Growth & Development • Allied Health • Food Services, Hospitality & Management • Foods & Nutrition • Medical Assisting • Agricultural Food Science Technology

Illinois comprehensive high schools are responding to the critical job issues through Career & Technical Education programs and area career center programs.