



New Skills for Youth Grant

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Office of Career and Technical Education

New Skills for Youth (NSFY) Initiative

Began in January 2016 through the generous support of JP Morgan Chase & Company with a five-year, **\$75 million** program to connect students to in-demand careers.

Ten states secured grants through phase two of New Skills for Youth, a collaboration of the Council of Chief State School Officers (CCSSO), JP Morgan Chase and Advance CTE that supports states as they work to align career-focused education with high-skill, high-demand jobs.



Grant Partners

- ✓ Cabinet for Economic Development
- ✓ Chamber of Commerce
- ✓ Council on Postsecondary Education
- ✓ Education and Workforce Development Cabinet
- ✓ Kentucky Community and Technical College System (KCTCS)
- ✓ Kentucky Department of Education
- ✓ Kentucky Labor Cabinet
- ✓ KY Stats formerly Kentucky Center for Education and Workforce Statistics (KCEWS)



NSFY Grant Opportunity



Grant will consist of two phases:

❖ Phase One - \$100,000

- ✓ *Six-month plan design, development, and early implementation phase*
- ✓ *Kentucky received phase one funds (May-November, 2016)*

❖ Phase Two

- ✓ *Three-year implementation phase – Ends December 2019*
- ✓ *Kentucky received \$2 million for three year implementation*
<http://mediaportal.education.ky.gov/featured/2017/01/new-skills-for-youth-press-conference-1-11-2017/>

Kentucky's Grant Vision

Regionalized Governance and Delivery of CTE that:

- *is employer-led through regional workforce areas and ensures cross-institutional involvement,*
- *encompasses career pathways that have seamless transitions from secondary to postsecondary education,*
- *involves shared resources and funding among all partners, and*
- *provides valuable industry certifications and credentials that are recognized by business and industry.*



Kentucky's Top Employment Sectors:

Business and Technical Services

Construction

Health Care & Social Assistance

Manufacturing

Transportation, Distribution, and Logistics

<http://education.ky.gov/CTE/nsfy/Pages/KY-NSFY.aspx>

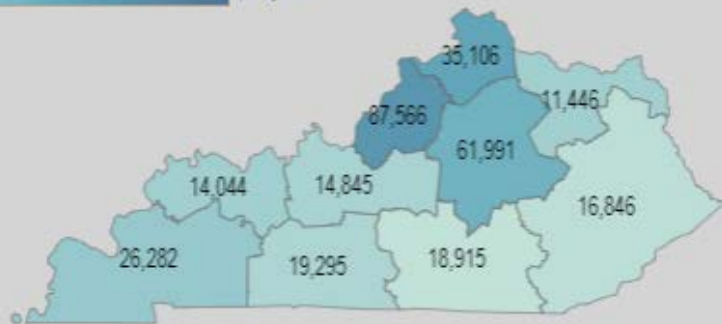
**Provided by Kentucky Cabinet for Economic Development*



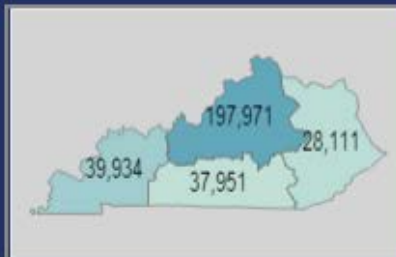
General or Specific Occupations (2017-21)

General Occupation

\$36,231  \$50,189



Statewide
102,471



The maps show the total number of job openings by Local Workforce Area, Workforce Planning Region, and State. The shade of blue getting darker indicates higher average wages. Jobs not attributed to a particular area were labeled 'Unassigned.' Click an area or region to filter the dashboard. The arrow chart below shows total projected job openings (including replacement) and average annual wage for occupations. The direction of the arrows displays occupational growth.



Top 5 General Occupation Jobs

Office and Administrative S..	48,000
Transportation and Materi..	38,723
Food Preparation and Servi..	38,062
Sales and Related Occupati..	36,826
Healthcare Practitioners a..	34,453

Average Wage	\$43,952
Total Job Openings	408,807

Occupational Growth

- ➔ Very Fast Growing
- Fast Growing
- ➦ Growing
- Stable
- ➩ Declining

Gen Occs (All) ▾

Spec Occs (All) ▾

Skill Level (All) ▾

Industry (All) ▾

Sample of Kentucky's Top Occupations in the Top 5 Sectors

Top 120 Occupations in the Top 5 Industry Sectors				
Advanced Manufacturing	Business & IT Services	Construction	Healthcare & Social Assistance	Transportation, Distribution, & Logistics
Team Assemblers	Customer Service Representatives	Construction Laborers	Registered Nurses	Heavy and Tractor-Trailer Truck Drivers
Helpers--Production Workers	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Plumbers, Pipefitters, and Steamfitters	Nursing Assistants	Laborers and Freight, Stock, and Material Movers, Hand
Machinists	General and Operations Managers	Electricians	Licensed Practical and Licensed Vocational Nurses	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators
Inspectors, Testers, Sorters, Samplers, and Weighers	Laborers and Freight, Stock, and Material Movers, Hand	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	Receptionists and Information Clerks	Captains, Mates, and Pilots of Water Vessels
Industrial Machinery Mechanics	Tellers	Operating Engineers and Other Construction Equipment Operators	Medical Assistants	Industrial Truck and Tractor Operators
Welders, Cutters, Solderers, and Brazers	Accountants and Auditors	First-Line Supervisors of Construction Trades and Extraction Workers	Personal Care Aides	Railroad Brake, Signal, and Switch Operators
Packaging and Filling Machine Operators and Tenders	First-Line Supervisors of Office and Administrative Support Workers	Carpenters	Home Health Aides	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand
First-Line Supervisors of Production and Operating Workers	Office Clerks, General	General and Operations Managers	Childcare Workers	Light Truck or Delivery Services Drivers
Laborers and Freight, Stock, and Material Movers, Hand	Insurance Sales Agents	Construction Managers	Medical Secretaries	Bus Drivers, School or Special Client
Assemblers and Fabricators, All Other	Software Developers, Applications	Office Clerks, General	Medical and Health Services Managers	Bus and Truck Mechanics and Diesel Engine Specialists
Industrial Truck and Tractor Operators	Financial Managers	Heavy and Tractor-Trailer Truck Drivers	Social and Human Service Assistants	Airline Pilots, Copilots, and Flight Engineers
Machine Feeders and Offbearers	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	Welders, Cutters, Solderers, and Brazers	Physicians and Surgeons, All Other	Locomotive Engineers
Industrial Engineers	Stock Clerks and Order Fillers	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	Radiologic Technologists	Machine Feeders and Offbearers

KY Goals of the NSFY Grant

- Increase Postsecondary Accelerated Opportunities and Seamless Programs of Study
- Increase WBL opportunities including Apprenticeship
- Increase Access to, Enrollment in, and Completion of High-Demand Pathways
- Increase Graduates Earning Industry Certifications of Value
- Increase Graduate Success after High School
- Create All Day Regional Career Academies



Regional Career Academy Requirements

- ▶ **Two or More School Districts**
- ▶ **Local or State Operated Technical Center**
- ▶ **Postsecondary Institution**
- ▶ **Community Partner**
- ▶ **At Least Two Employers from Proposed Top Industry Sector**



Regional Career Academies

▶ Round 1 (Open 18-19)

- Burgin Ind
- Corbin Ind
- Lee County

▶ Round 2 (Open 19-20)

- Breathitt County
- Clinton County
- Hickman County
- Logan County
- Mason County
- Nelson County



Year 1 Update - Success

- ▶ **100% of CTE Programs of Study are aligned to the top 5 sectors or top support occupations**
- ▶ **Pre-Apprenticeship pathway participation increased by over 150%**
- ▶ **CTE Dual Credit increased by over 100%**
- ▶ **Occupation-based Teacher Retention for new teachers is above 92%**



Partnership with the Kentucky Workforce Innovation Board (KWIB) and Education and Workforce Cabinet

Higher-Skilled Occupations	<p>Industrial Production Managers Average Annual Earnings: \$90,204 Five-Year Openings: 786 * Work Experience Required: 5 years or more On-the-Job Training: None Minimum Education Required: Bachelor's Degree</p> <p>Industrial Engineers Average Annual Earnings: \$81,221 Five-Year Openings: 1,140 * Work Experience Required: None On-the-Job Training: None Minimum Education Required: Bachelor's Degree</p>	<p>Industrial Production Managers Average Annual Earnings: \$90,204 Five-Year Openings: 786 * Work Experience Required: 5 years or more On-the-Job Training: None Minimum Education Required: Bachelor's Degree</p> <p>Industrial Engineers Average Annual Earnings: \$81,221 Five-Year Openings: 1,140 * Work Experience Required: None On-the-Job Training: None Minimum Education Required: Bachelor's Degree</p>	<p>Industrial Production Managers Average Annual Earnings: \$90,204 Five-Year Openings: 786 * Work Experience Required: 5 years or more On-the-Job Training: None Minimum Education Required: Bachelor's Degree</p> <p>Industrial Engineers Average Annual Earnings: \$81,221 Five-Year Openings: 1,140 * Work Experience Required: None On-the-Job Training: None Minimum Education Required: Bachelor's Degree</p>
	Middle-Skilled Occupations	<p>First-Line Supervisors of Production & Operating Workers Average Annual Earnings: \$56,114 Five-Year Openings: 1,387 * Work Experience Required: Less than 5 years On-the-Job Training: None Minimum Education Required: High School Diploma/GED</p> <p>Machine Setters, Operators, & Tenders ** Average Annual Earnings: \$32,354 Five-Year Openings: 163 * Work Experience Required: None On-the-Job Training: Moderate-term Minimum Education Required: High School Diploma/GED</p> <p>Inspectors, Testers, Sorters, Samplers, & Weighers Average Annual Earnings: \$38,646 Five-Year Openings: 1,973 * Work Experience Required: None On-the-Job Training: Moderate-term Minimum Education Required: High School Diploma/GED</p> <p>Machine Feeders & Offbearers Average Annual Earnings: \$31,995 Five-Year Openings: 1,307 * Work Experience Required: None On-the-Job Training: Short-term Minimum Education Required: No Formal Educational Credential</p>	<p>First-Line Supervisors of Production & Operating Workers Average Annual Earnings: \$56,114 Five-Year Openings: 1,387 * Work Experience Required: Less than 5 years On-the-Job Training: None Minimum Education Required: High School Diploma/GED</p> <p>Team Assemblers Average Annual Earnings: \$37,554 Five-Year Openings: 6,059 * Work Experience Required: None On-the-Job Training: Moderate-term Minimum Education Required: High School Diploma/GED</p> <p>Inspectors, Testers, Sorters, Samplers, & Weighers Average Annual Earnings: \$38,646 Five-Year Openings: 1,973 * Work Experience Required: None On-the-Job Training: Moderate-term Minimum Education Required: High School Diploma/GED</p> <p>Production Workers, All Others Average Annual Earnings: \$26,858 Five-Year Openings: 1,331 * Minimum Education Required: High School Diploma/GED</p>

Year 1 Update – Areas for Improvement

- ▶ **Work-Based Learning Opportunities and Employer Engagement**
- ▶ **High Demand Pathway Concentration and Completion**
- ▶ **Career Advising**
- ▶ **Industry Certifications of Value**



New Skills for Youth Webpage



- ▶ <http://education.ky.gov/CTE/nsfy/Pages/KY-NSFY.aspx>

Questions

