Career Pathway Map: Accounting

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Accountants and Auditors

SOC Code 13-2011

Entry Level Salary \$42,340

Projected Annual Openings 1,256

Bachelor's degree

Certifications: Certified Public Accountant (CPA)

Bookkeeping, Accounting, Auditing Clerks

SOC Code 43-3031

Entry Level Salary \$23,630

Projected Annual Openings 1,491

Usually requires technical training, on the job experience, or an Associate's degree

Billing, Cost, and Rate Clerks

SOC Code 43-3021

Entry Level Salary \$24,530

Projected Annual Openings 304

Usually requires technical training, on the job experience, or an Associate's degree

Shipping Receiving and Traffic Clerks

SOC Code 43-5071

Entry Level Salary \$22,790

Projected Annual Openings 696

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Order Clerks

SOC Code 43-4151

Entry Level Salary \$19,620

Projected Annual Openings 266

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Accounting **Career Pathway** (Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information:

-Pennsylvania Department of Labor & Industry, Center for Worldorce Information and Analysis. (2013). Labor Market Information System. Retrieved from https://paworkstats.geosolinc.com

-U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from http://www.onetonline.org

Career Pathway Map: Computer Support

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Computer Systems Analysts

SOC Code 15-1121

Entry Level Salary \$55,542

Projected Annual Openings 929

Usually requires technical training, on the job experience, or an Associate's degree

Network and Computer Systems Administrator

SOC Code 15-1121

Entry Level Salary \$51,542

Projected Annual Openings 530

Usually requires technical training, on the job experience, or an Associate's degree

Database Administrators

SOC Code 15-1141

Entry Level Salary \$50,861

Projected Annual Openings 113

Usually requires technical training, on the job experience, or an Associate's degree

Computer User Support Specialist

SOC Code 15-1150

Entry Level Salary \$25,354

Projected Annual Openings 744

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Computer Support Career Pathway

(Hardy, Institute for the Study of Adult Literacy, 2013)

Sources or information:

Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved from https://joaworfsstats.geosolinc.com

1. U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from: http://www.onetonfline.org

Career Pathway Map: Customer Service

Statewide

Information contained in this career pathways map encompasses the state of Pennsylvania. The information contains projections of anticipated openings and entry level salary. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

General and Operations Managers

SOC Code 11-1021

Entry Level Salary \$55,810

Projected Annual Openings 967

Usually requires technical training, on the job experience, or an Associate's degree

Cost Estimators

SOC Code 13-1051

Entry Level Salary \$39,050

Projected Annual Openings 304

Usually requires technical training, on the job experience, or an Associate's degree; Some require Bachelor's degree

Customer Service Representatives

SOC Code 43-4051

Entry Level Salary \$22,520

Projected Annual Openings 3,949

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Customer Service Career Pathway

(Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information:

Sources of midmators.

-Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved fromhttps://paworkstats.geosolinc.com

-U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from: http://www.onetonline.org

Career Pathway Map: Extraction Workers

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Supervisors of Construction Trades & Extraction Workers

SOC Code 47-1011

Entry Level Salary \$44,010

Projected Annual Openings 329

Usually requires technical training, on the job experience, or an Associate's degree

Construction Laborers and Material Movers

SOC Code 47-2061

Entry Level Salary \$21,850

Projected Annual Openings 416

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Roustabouts, Oil and Gas

SOC Code 47-5071

Entry Level Salary \$24,070

Projected Annual Openings 61

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Helpers-Extraction Workers

SOC Code 47-5081

Entry Level Salary \$24,680

Projected Annual Openings 33

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Extraction Workers Career Pathway

(Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information:
-Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved fromhttps://paworkstats.geosolinc.com
-U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from: http://www.onetonline.org

Career Pathway Map: Maintenance

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Supervisors of Mechanics, Installers & Repairers

SOC Code 49-1011

Entry Level Salary \$45,390

Projected Annual Openings 350

Usually requires technical training, on the job experience, or an Associate's degree

Industrial Machinery Mechanics

SOC Code 49-9041

Entry Level Salary \$32,900

Projected Annual Openings 401

Usually requires technical training, on the job experience, or an Associate's degree

Certifications: Instrument Control Technology, Industrial Maintenance Technology

Maintenance Workers, Machinery

SOC Code 49-9043

Entry Level Salary \$28,040

Projected Annual Openings 217

Usually requires technical training, on the job experience, or an Associate's degree

Helpers - Installation, Maintenance & Repair Workers

SOC Code 49-9098

Entry Level Salary \$17,810

Projected Annual Openings 163

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Maintenance Career Pathway

(Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information

Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved fromhttps://paworkstats.geosolinc.com -U.S. Department of Labor, Employment and Training Administration. (2013). O*Net Online. Retrieved from: http://www.onetonline.org

Career Pathway Map: Mechanics

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

National Institute for Automotive Service Excellence

-

Supervisors of Mechanics, Installers & Repairers

SOC Code 49-1011

Entry Level Salary \$45,390

Projected Annual Openings 350

Usually requires technical training, on the job experience, or an Associate's degree

Mobile Heavy Equipment Mechanics

SOC Code 49-3042

Entry Level Salary \$33,520

Projected Annual Openings 156

Usually requires technical training, on the job experience, or an Associate's degree

Certifications: Automotive Service Excellence Certification, Medium-Heavy Truck Certification

Bus, Truck and Diesel Engine Mechanics

SOC Code 49-3031

Entry Level Salary \$29,900

Projected Annual Openings 310

Usually requires technical training, on the job experience, or an Associate's degree

Certifications: Automotive Service Excellence Certification, Electrical Diesel Engine Diagnosis Specialist Certification

Automotive Master Mechanic

SOC Code 49-3023

Entry Level Salary \$23,960

Projected Annual Openings 904

Usually requires technical training, on the job experience, or an Associate's degree

Certifications: Automotive Service Excellence Certification, Automobile Light Truck Certification

Mechanic Career Pathway

(Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information:

-Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved fromhttps://paworkstats.geosolinc.com -U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from: http://www.onetonline.org

Career Pathway Map: Office Workers

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Supervisors of Office and Administrative Support Workers

SOC Code 43-1011

Entry Level Salary \$34,630

Projected Annual Openings 1,069

Usually requires technical training, on the job experience, or an Associate's degree

Executive Secretaries and Administrative Assistants

SOC Code 43-6011

Entry Level Salary \$33,560

Projected Annual Openings 776

Usually requires technical training, on the job experience, or an Associate's degree

Secretaries and Administrative Assistants

SOC Code 43-6014

Entry Level Salary \$22,160

Projected Annual Openings 1,498

Usually requires technical training, on the job experience, or an Associate's degree

Office Clerks

SOC Code 43-9061

Entry Level Salary \$19,200

Projected Annual Openings 3,261

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Office Workers **Career Pathway** (Hardy, Institute for the Study of Adult Literacy, 2013)

Pennsylvania Department of Labor & Industry, Center for Worldorce Information and Analysis. (2013). Labor Market Information System. Retrieved fromhttps://paworkstats.geosolinc.com
-U.S. Department of Labor, Employment and Training Administration. (2013). O"Net Online. Retrieved from: http://www.onetonline.org

Career Pathway Map: Computer Programmers

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Computer and Information Systems Managers

SOC Code 11-3021

Entry Level Salary \$77,370

Projected Annual Openings 184

Usually requires technical training, on the job experience, or an Associate's degree

Most of these occupations require a four-year Bachelor's degree

Software Developers, Systems Software

SOC Code 15-1133

Entry Level Salary \$62,515

Projected Annual Openings 293

Usually requires technical training, on the job experience, or an Associate's degree

Most of these occupations require a four-year Bachelor's degree

Software Developers, Applications Systems

SOC Code 15-1132

Entry Level Salary \$59,040

Projected Annual Openings 530

Usually requires technical training, on the job experience, or an Associate's degree

Some require a four-year Bachelor's degree

Computer Programmers

SOC Code 15-1131

Entry Level Salary \$54,183

Projected Annual Openings 422

Usually requires technical training, on the job experience, or an Associate's degree

Web Developers

SOC Code 15-1134

Entry Level Salary \$51,075

Projected Annual Openings 146

Usually requires technical training, on the job experience, or an Associate's degree

Computer Programmers Career Pathway

(Hardy, Institute for the Study of Adult Literacy, 2013)

Pennsylvania Department of Labor & Industry, Center for Worldorce Information and Analysis. (2013). Labor Market Information System. Retrieved from https://paworfstais.geospilic.com 1.05. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from:

Career Pathway Map: Sales

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Sales Managers

SOC Code 11-2022

Entry Level Salary \$61,060

Projected Annual Openings 228

Most require Bachelor's degree

Sales Representatives, Wholesale and Manufacturing

SOC Code 41-4012

Entry Level Salary \$35,610

Projected Annual Openings 2,007

Some require Bachelor's degree

Order Fillers, Wholesale and Retail Sales

SOC Code 43-5081

Entry Level Salary \$16,990

Projected Annual Openings 1,704

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Customer Service Representatives

SOC Code 43-4051

Entry Level Salary \$22,520

Projected Annual Openings 3,949

Usually requires High School Diploma/Commonwealth Secondary School Diploma/GED®

Sales **Career Pathway** (Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information:
-Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved fromhttps://paworkstats.geosolinc.com
-U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from: http://www.norstonline.org

Career Pathway Map: Shipping and Receiving

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities



Shipping and Receiving Career Pathway

Projected Annual Openings 696

(Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information:

Sources of information:
Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved from https://paworkstats.geosoinc.com

U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from:

Career Pathway Map: Surveyors

Statewide

Information contained in this career pathways map encompasses the entire state of Pennsylvania. The information contains projections of anticipated openings, entry level salary, and job growth. Actual career pathways may look different depending on the individual and the local area job market.

Career Pathways programs provide:

- -workplace skills instruction
- -GED® Tests preparation
- -academic skills specific to the industry
- -entrance exam preparation
- -postsecondary transition preparation
- -English language skills instruction
- -goal setting/case management support
- -provide employability/soft skills instruction

Postsecondary education and training available through:

Local Career and Technology Centers

Local Business Schools

Local Technical Schools

Local Community Colleges

Local Universities

Architectural and Engineering Managers

SOC Code 11-9041

Entry Level Salary \$83,330

Projected Annual Openings 112

Master's degree

Environmental Engineers

SOC Code 17-2081

Entry Level Salary \$54,470

Projected Annual Openings 114

Master's degree

Surveyors

SOC Code 17-1022

Entry Level Salary \$35,070

Projected Annual Openings 83

Bachelor's degree

Surveying & Mapping Technicians

SOC Code 17-3031

Entry Level Salary \$27,760

Projected Annual Openings 40

Usually requires technical training, on the job experience, or an Associate's degree

Surveyors **Career Pathway** (Hardy, Institute for the Study of Adult Literacy, 2013)

Sources of Information:

-Pennsylvania Department of Labor & Industry, Center for Workforce Information and Analysis. (2013). Labor Market Information System. Retrieved fromhttps://paworkstats.geosolinc.com

-U.S. Department of Labor, Employment and Training Administration. (2013). O'Net Online. Retrieved from: http://www.onetonline.org