

TOP JOBS IN THE NORTHERN TIER

The “Top Jobs” in the Northern Tier are identified according to projected changes in employment between 2013 and 2016, using data from Economic Modeling Specialists, Incorporated.

There are three (3) categories of jobs to consider:

1. Occupations with 100 or more jobs that typically require ***less than 4 years of postsecondary education***,
2. Occupations with 100 or more jobs that typically require a ***4-year degree (bachelor’s degree) or higher***, and
3. ***Low-volume occupations*** which have less than 100 local jobs.

To be considered a top job, an occupation must have a median wage of at least \$12.50 per hour.

Top jobs are identified by two separate methods:

1. Occupations with the highest ***percentage*** of projected annual job openings
2. Occupations with the highest ***number*** of projected annual job openings.

The percentages shown on the relevant charts refer to the number of projected annual job openings as a percent of current employment levels.

For both types of top jobs (percentage and number of openings), job openings include **new job openings**, which are created due to business expansion or new companies opening, and **replacement job openings** that occur as the result of employee turnover.

Additionally, each chart includes the current median hourly occupational wage. Occupational wages do not include benefits. Also, the occupation’s bar chart is highlighted in red if it is currently on the regional High Priority Occupation list.

For additional information, please contact:

Northern Tier Regional Planning & Development Commission
312 Main Street
Towanda, PA 18848
570.265.9103 (P)
570.265.7585 (F)



Occupations Requiring Less than 4 Years of Postsecondary Education with the Highest Percentage of Job Openings

Derrick Operators, Oil and Gas	13.5%	\$24.81
Rotary Drill Operators, Oil and Gas	12.1%	\$19.71
Helpers--Extraction Workers	11.9%	\$13.68
Telecommunications Line Installers and Repairers	9.0%	\$24.70
Operating Engineers and Other Construction Equipment Operators	9.0%	\$17.74
Sales Representatives, Services, All Other	8.8%	\$22.86
First-Line Supervisors of Construction Trades and Extraction Workers	7.3%	\$27.83
Heavy and Tractor-Trailer Truck Drivers	6.1%	\$17.90
Bus and Truck Mechanics and Diesel Engine Specialists	6.0%	\$18.72
Welders, Cutters, Solderers, and Brazers	6.0%	\$18.53
Laborers and Freight, Stock, and Material Movers, Hand	5.9%	\$14.82
Plumbers, Pipefitters, and Steamfitters	5.8%	\$18.74
Parts Salespersons	5.7%	\$13.19
Industrial Machinery Mechanics	5.7%	\$17.65
First-Line Supervisors of Mechanics, Installers, and Repairers	5.5%	\$29.38
Electricians	5.3%	\$20.62
Foundry Mold and Coremakers	5.1%	\$14.52
Customer Service Representatives	5.0%	\$14.36
Construction Laborers	5.0%	\$13.60
Light Truck or Delivery Services Drivers	5.0%	\$12.84

Source: Economic Modeling Specialists, Incorporated Class of Worker - 2013.4; QCEW Employees, Non-QCEW Employees & Self-Employed

Based on projected **annual** job openings (new and replacement) from 2013 to 2016 as a **percent** of current jobs in each occupation

Median hourly wages are presented; wages do not include benefits

To be considered in this list, occupations must have at least 100 jobs, median hourly wages of \$12.50 or more, and common education levels of less than a bachelor's degree

Occupations that appear on the 2013 High Priority Occupations list are highlighted in **red**

Occupations Requiring Less than 4 Years of Postsecondary Education with the Most Job Openings

Heavy and Tractor-Trailer Truck Drivers	132	\$17.90
Laborers and Freight, Stock, and Material Movers, Hand	74	\$14.82
Operating Engineers and Other Construction Equipment Operators	64	\$17.74
Registered Nurses	45	\$29.18
Construction Laborers	43	\$13.60
First-Line Supervisors of Construction Trades and Extraction Workers	42	\$27.83
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific...	30	\$22.73
Customer Service Representatives	30	\$14.36
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	30	\$14.41
First-Line Supervisors of Retail Sales Workers	29	\$15.52
Rotary Drill Operators, Oil and Gas	29	\$19.71
Automotive Service Technicians and Mechanics	25	\$13.26
First-Line Supervisors of Office and Administrative Support Workers	24	\$22.10
Bookkeeping, Accounting, and Auditing Clerks	24	\$14.89
Maintenance and Repair Workers, General	24	\$15.87
Carpenters	23	\$15.41
Derrick Operators, Oil and Gas	22	\$24.81
Light Truck or Delivery Services Drivers	22	\$12.84
Industrial Machinery Mechanics	17	\$17.65
Licensed Practical and Licensed Vocational Nurses	16	\$18.75

Source: Economic Modeling Specialists, Incorporated Class of Worker - 2013.4; QCEW Employees, Non-QCEW Employees & Self-Employed

Based on projected *annual* job openings (new and replacement) from 2013 to 2016

Median hourly wages are presented; wages do not include benefits

To be considered in this list, occupations must have at least 100 jobs, median hourly wages of \$12.50 or more, and common education levels of less than a bachelor's degree

Occupations that appear on the 2013 High Priority Occupations list are highlighted in red

Occupations Requiring a Bachelor's Degree or Higher with the Highest Percentage of Job Openings

Mental Health Counselors	8.5%	\$17.67
Mental Health and Substance Abuse Social Workers	8.4%	\$16.97
Physical Therapists	7.4%	\$37.78
Rehabilitation Counselors	6.2%	\$12.57
Cost Estimators	5.0%	\$25.72
Management Analysts	4.9%	\$29.20
Lawyers	4.9%	\$30.20
Special Education Teachers, Kindergarten and Elementary School	4.8%	\$26.38
Child, Family, and School Social Workers	4.6%	\$14.50
Accountants and Auditors	4.6%	\$23.30
Kindergarten Teachers, Except Special Education	4.4%	\$29.00
General and Operations Managers	4.3%	\$37.63
Pharmacists	3.9%	\$51.09
Chief Executives	3.8%	\$47.96
Financial Managers	3.8%	\$36.21
Special Education Teachers, Secondary School	3.8%	\$26.42
Middle School Teachers, Except Special and Career/Technical Education	3.8%	\$25.39
Medical and Health Services Managers	3.7%	\$34.48
Elementary School Teachers, Except Special Education	3.7%	\$28.15
Education Administrators, Elementary and Secondary School	3.4%	\$42.42

Source: Economic Modeling Specialists, Incorporated Class of Worker - 2013.4; QCEW Employees, Non-QCEW Employees & Self-Employed

Based on projected **annual** job openings (new and replacement) from 2013 to 2016 as a **percent** of current jobs in each occupation

Median hourly wages are presented; wages do not include benefits

To be considered in this list, occupations must have at least 100 jobs, median hourly wages of \$12.50 or more, and common education levels of a bachelor's degree or higher

Occupations that appear on the 2013 High Priority Occupations list are highlighted in **red**

Occupations Requiring a Bachelor's Degree or Higher with the Most Job Openings

Secondary School Teachers, Except Special and Career/Technical Education	31	\$28.35
Elementary School Teachers, Except Special Education	27	\$28.15
General and Operations Managers	24	\$37.63
Accountants and Auditors	16	\$23.30
Mental Health Counselors	11	\$17.67
Physical Therapists	10	\$37.78
Child, Family, and School Social Workers	9	\$14.50
Mental Health and Substance Abuse Social Workers	9	\$16.97
Special Education Teachers, Kindergarten and Elementary School	9	\$26.38
Lawyers	8	\$30.20
Rehabilitation Counselors	7	\$12.57
Middle School Teachers, Except Special and Career/Technical Education	7	\$25.39
Pharmacists	6	\$51.09
Chief Executives	5	\$47.96
Cost Estimators	5	\$25.72
Management Analysts	5	\$29.20
Postsecondary Teachers	5	\$40.66
Kindergarten Teachers, Except Special Education	5	\$29.00
Financial Managers	4	\$36.21
Education Administrators, Elementary and Secondary School	4	\$42.42

Source: Economic Modeling Specialists, Incorporated Class of Worker - 2013.4; QCEW Employees, Non-QCEW Employees & Self-Employed

Based on projected **annual** job openings (new and replacement) from 2013 to 2016

Median hourly wages are presented; wages do not include benefits

To be considered in this list, occupations must have at least 100 jobs, median hourly wages of \$12.50 or more, and common education levels of bachelor's degree or higher

Occupations that appear on the 2013 Local High Priority Occupations list are highlighted in **red**

Low-Volume Occupations with the Highest Percentage of Job Openings

Service Unit Operators, Oil, Gas, and Mining	26.9%	\$23.62
Roustabouts, Oil and Gas	23.2%	\$14.73
Geological and Petroleum Technicians	23.1%	\$16.18
Geoscientists, Except Hydrologists and Geographers	20.0%	\$32.32
Crane and Tower Operators	16.7%	\$22.45
Extraction Workers, All Other	14.3%	\$16.87
Audio and Video Equipment Technicians	13.6%	\$25.35
Electrical Power-Line Installers and Repairers	13.3%	\$29.88
Security and Fire Alarm Systems Installers	12.5%	\$18.63
Interpreters and Translators	11.8%	\$19.45
Mobile Heavy Equipment Mechanics, Except Engines	11.7%	\$19.11
Power Plant Operators	11.1%	\$30.51
Pipelayers	10.2%	\$14.86
Surgeons	10.0%	\$44.89
Glaziers	10.0%	\$25.17
Petroleum Pump System Operators, Refinery Operators, and Gaugers	10.0%	\$28.61
Architectural and Engineering Managers	9.7%	\$58.91
Environmental Science and Protection Technicians, Including Health	9.5%	\$22.18
Earth Drillers, Except Oil and Gas	9.3%	\$19.70
Purchasing Managers	9.1%	\$67.94

Source: Economic Modeling Specialists, Incorporated Class of Worker - 2013.4; QCEW Employees, Non-QCEW Employees & Self-Employed

Based on projected **annual** job openings (new and replacement) from 2013 to 2016 as a **percent** of current jobs in each occupation

Median hourly wages are presented; wages do not include benefits

To be considered in this list, occupations must have less than 100 jobs and median hourly wages of \$12.50 or more

Occupations that appear on the 2013 High Priority Occupations list are highlighted in **red**

Low-Volume Occupations with the Most Job Openings

Roustabouts, Oil and Gas	22	\$14.73
Service Unit Operators, Oil, Gas, and Mining	21	\$23.62
Electrical Power-Line Installers and Repairers	10	\$29.88
Mobile Heavy Equipment Mechanics, Except Engines	9	\$19.11
Market Research Analysts and Marketing Specialists	7	\$20.24
Substance Abuse and Behavioral Disorder Counselors	7	\$15.70
Business Operations Specialists, All Other	6	\$30.16
Pipelayers	6	\$14.86
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	6	\$25.96
Refuse and Recyclable Material Collectors	6	\$14.66
Human Resources Specialists	5	\$24.46
Network and Computer Systems Administrators	5	\$29.57
Civil Engineers	5	\$32.34
Physical Therapist Assistants	5	\$20.55
Dispatchers, Except Police, Fire, and Ambulance	5	\$18.54
Construction and Building Inspectors	5	\$18.02
Earth Drillers, Except Oil and Gas	5	\$19.70
Rock Splitters, Quarry	5	\$15.18
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	5	\$25.56
Sales Managers	4	\$40.42

Source: Economic Modeling Specialists, Incorporated Class of Worker - 2013.4; QCEW Employees, Non-QCEW Employees & Self-Employed

Based on projected **annual** job openings (new and replacement) from 2013 to 2016

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To be considered in this list, occupations must have less than 100 jobs and median hourly wages of \$12.50 or more

Occupations that appear on the 2013 High Priority Occupation list are highlighted in **red**