

Central EDR
Demand Occupations' Education & Training Requirements

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-2022	Sales Managers	Bachelor's degree	1 to 5 years	None
11-3031	Financial Managers	Bachelor's degree	More than 5 years	None
11-9021	Construction Managers	Associate's degree	More than 5 years	None
11-9032	Ed.Administrators, Elem. & Secondary	Master's degree	1 to 5 years	None
11-9111	Medical & Health Services Managers	Bachelor's degree	None	None
11-1011	Chief Executives	Bachelor's degree	More than 5 years	None
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
13-1031	Claims Adjusters/Examiners/Investigators	High school diploma or equivalent	None	Long-term on-the-job training
13-1111	Management Analysts	Bachelor's degree	1 to 5 years	None
13-1161	Market Research Analysts & Specialists	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants & Auditors	Bachelor's degree	None	None
15-1121	Computer Systems Analysts	Bachelor's degree	None	None
15-1131	Computer Programmers	Bachelor's degree	None	None
15-1132	Software Developers, Applications	Bachelor's degree	None	None
21-1021	Child, Family & School Social Workers	Bachelor's degree	None	None
21-1029	Social Workers, All Other	Bachelor's degree	None	None
21-2011	Clergy	Bachelor's degree	None	Moderate-term on-the-job training
23-1011	Lawyers	Doctoral or professional degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers,Ex.Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-1069	Physicians & Surgeons, All Other	Doctoral or professional degree	None	None
29-1123	Physical Therapists	Doctoral or professional degree	None	None
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
33-1012	1st-Line Spvrs/Mgrs Police & Detectives	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	High school diploma or equivalent	None	Short-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg,Ex.Tech/Scntific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training
43-6013	Medical Secretaries	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
47-2073	Operating Engins/Const.EquipOperators	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
51-1011	1st-LineSpvrs/Mgrs Prod/Operating Workers	Postsecondary non-degree award	1 to 5 years	None
51-4041	Machinists	High school diploma or equivalent	None	Long-term on-the-job training
51-9061	Inspect/Testers/Sorters/Samplers/Weighers	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

East Central EDR
Demand Occupations' Education & Training Requirements

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-1011	Chief Executives	Bachelor's degree	More than 5 years	None
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
11-9033	Ed.Administrators, Postsecondary	Master's degree	1 to 5 years	None
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants & Auditors	Bachelor's degree	None	None
15-1121	Computer Systems Analysts	Bachelor's degree	None	None
15-1131	Computer Programmers	Bachelor's degree	None	None
15-1132	Software Developers, Applications	Bachelor's degree	None	None
21-1012	Educational/Vocational/School Counselors	Master's degree	None	None
21-1021	Child, Family & School Social Workers	Bachelor's degree	None	None
25-1071	Health Specialties Teachers, College	Doctoral or professional degree	None	None
25-1081	Education Teachers, College	Doctoral or professional degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers,Ex.Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-1069	Physicians & Surgeons, All Other	Doctoral or professional degree	None	None
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
31-9092	Medical Assistants	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	High school diploma or equivalent	None	Short-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg,Ex.Tech/Scntific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

North Central EDR
Demand Occupations' Education & Training Requirements

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-1011	Chief Executives	Bachelor's degree	More than 5 years	None
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
11-2021	Marketing Managers	Bachelor's degree	1 to 5 years	None
11-2022	Sales Managers	Bachelor's degree	1 to 5 years	None
11-3021	Computer & Information Systems Managers	Bachelor's degree	More than 5 years	None
11-3031	Financial Managers	Bachelor's degree	More than 5 years	None
11-3121	Human Resources Managers	Bachelor's degree	1 to 5 years	None
11-9021	Construction Managers	Associate's degree	More than 5 years	None
11-9032	Ed. Administrators, Elem. & Secondary	Master's degree	1 to 5 years	None
11-9041	Engineering Managers	Bachelor's degree	More than 5 years	None
11-9111	Medical & Health Services Managers	Bachelor's degree	None	None
13-1041	Compliance Officers, Ex. Health & Safety	Bachelor's degree	None	Moderate-term on-the-job training
13-1051	Cost Estimators	Bachelor's degree	None	None
13-1111	Management Analysts	Bachelor's degree	1 to 5 years	None
13-1151	Training & Development Specialists	Bachelor's degree	None	None
13-1161	Market Research Analysts & Specialists	Bachelor's degree	None	None
13-2011	Accountants & Auditors	Bachelor's degree	None	None
13-2051	Financial Analysts	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	Bachelor's degree	None	None
13-2053	Insurance Underwriters	Bachelor's degree	None	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	Bachelor's degree	None	Moderate-term on-the-job training
15-1121	Computer Systems Analysts	Bachelor's degree	None	None
15-1131	Computer Programmers	Bachelor's degree	None	None
15-1132	Software Developers, Applications	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	Bachelor's degree	None	None
15-1142	Network & Computer Sys. Administrators	Bachelor's degree	None	None
17-2051	Civil Engineers	Bachelor's degree	None	None
17-2112	Industrial Engineers	Bachelor's degree	None	None
17-2199	Engineers, All Other	Bachelor's degree	None	None
21-1012	Educational/Vocational/School Counselors	Master's degree	None	None
21-1021	Child, Family & School Social Workers	Bachelor's degree	None	None
23-1011	Lawyers	Doctoral or professional degree	None	None
23-2011	Paralegals & Legal Assistants	Associate's degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Ex. Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
27-1024	Graphic Designers	Bachelor's degree	None	None
29-1051	Pharmacists	Doctoral or professional degree	None	None
29-1069	Physicians & Surgeons, All Other	Doctoral or professional degree	None	None
29-1123	Physical Therapists	Doctoral or professional degree	None	None
29-2012	Medical & Clinical Lab Technicians	Associate's degree	None	None
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
31-9092	Medical Assistants	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Sec./Commod./Fin. Services Sales Agents	Bachelor's degree	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Reps/Wholesale/Mfg, Tech/Scientific	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg, Ex. Tech/Scientific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3011	Bill & Account Collectors	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3051	Payroll & Timekeeping Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5011	Cargo & Freight Agents	High school diploma or equivalent	None	Short-term on-the-job training
43-5032	Dispatchers, Ex. Police/Fire/Ambulance	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production/Planning/Expediting Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6013	Medical Secretaries	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9041	Ins. Claims & Policy Processing Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
47-2073	Operating Enginrs/Const. Equip Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
47-2152	Plumbers, Pipefitters & Steamfitters	High school diploma or equivalent	None	Apprenticeship
49-3021	Automotive Body & Related Repairers	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3031	Bus/Truck/Diesel Engine Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9021	HVAC Mechanics & Installers	Postsecondary non-degree award	None	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
51-1011	1st-Line Svprs/Mgrs Prod/Operating Workers	Postsecondary non-degree award	1 to 5 years	None
51-2092	Team Assemblers	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4011	Computer-Controlled Mach Tool Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	High school diploma or equivalent	None	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers & Brazers	High school diploma or equivalent	Less than 1 year	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

Northeast EDR

Demand Occupations' Education & Training Requirements

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
13-1023	Purchasing Agents, Ex.Retail & Farm Prod.	High school diploma or equivalent	None	Long-term on-the-job training
13-1031	Claims Adjusters/Examiners/Investigators	High school diploma or equivalent	None	Long-term on-the-job training
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2072	Loan Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
17-3031	Surveying & Mapping Technicians	High school diploma or equivalent	None	Moderate-term on-the-job training
23-2093	Title Examiners, Abstractors & Searchers	High school diploma or equivalent	None	Short-term on-the-job training
23-2099	Legal Support Workers, All Other	High school diploma or equivalent	None	Short-term on-the-job training
27-3099	Media & Communication Workers, All Other	High school diploma or equivalent	None	Short-term on-the-job training
33-1012	1st-Line Spvrs/Mgrs Police & Detectives	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-3021	Detectives & Criminal Investigators	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3012	Pesticide Handlers, Sprayers & Applicators	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3011	Advertising Sales Agents	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	High school diploma or equivalent	None	Short-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg.Ex.Tech/Scntific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3051	Payroll & Timekeeping Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4011	Brokerage Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4031	Court, Municipal & License Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4041	Credit Authorizers, Checkers & Clerks	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers & Clerks	High school diploma or equivalent	None	Short-term on-the-job training
43-4161	HR Assistants, Ex. Payroll/Timekeeping	High school diploma or equivalent	None	Short-term on-the-job training
43-4199	Information & Record Clerks, All Other	High school diploma or equivalent	None	Short-term on-the-job training
43-5011	Cargo & Freight Agents	High school diploma or equivalent	None	Short-term on-the-job training
43-5031	Police, Fire & Ambulance Dispatchers	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5051	Postal Service Clerks	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training
43-5053	P.S. Mail Sorters & Machine Operators	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production/Planning/Expediting Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6012	Legal Secretaries	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2011	Boilermakers	High school diploma or equivalent	None	Apprenticeship
47-2021	Brickmasons & Blockmasons	High school diploma or equivalent	None	Apprenticeship
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
47-2071	Paving/Surfacing/Tamping Equip.Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Enginrs/Const.EquipOperators	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
47-2121	Glaziers	High school diploma or equivalent	None	Apprenticeship
47-2132	Insulation Workers, Mechanical	High school diploma or equivalent	None	Apprenticeship
47-2152	Plumbers, Pipefitters & Steamfitters	High school diploma or equivalent	None	Apprenticeship
47-2211	Sheet Metal Workers	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron & Steel Workers	High school diploma or equivalent	None	Apprenticeship
47-4011	Construction & Building Inspectors	High school diploma or equivalent	More than 5 years	Moderate-term on-the-job training
47-4021	Elevator Installers & Repairers	High school diploma or equivalent	None	Apprenticeship
47-4051	Highway Maintenance Workers	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4061	Rail-Track Laying/Maint.Equip.Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
49-2098	Security/Fire Alarm Systems Installers	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3021	Automotive Body & Related Repairers	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3031	Bus/Truck/Diesel Engine Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-3041	Farm Equipment Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9011	Mechanical Door Repairers	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9031	Home Appliance Repairers	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9044	Millwrights	High school diploma or equivalent	None	Long-term on-the-job training
49-9051	Electrical Power-Line Installers/Repairers	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecom. Line Installers & Repairers	High school diploma or equivalent	None	Long-term on-the-job training
51-2041	Structural Metal Fabricators & Fitters	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4012	Numerical Tool/Process Control Programers	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4034	Lathe/Turning Mach Tool Setters/Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4111	Tool & Die Makers	High school diploma or equivalent	None	Long-term on-the-job training
51-7011	Cabinetmakers & Bench Carpenters	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8013	Power Plant Operators	High school diploma or equivalent	None	Long-term on-the-job training
51-8021	Stationary Engineers & Boiler Operators	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water/Waste Treat Plant/Systm Operators	High school diploma or equivalent	None	Long-term on-the-job training
51-8091	Chemical Plant & System Operators	High school diploma or equivalent	None	Long-term on-the-job training
51-8092	Gas Plant Operators	High school diploma or equivalent	None	Long-term on-the-job training
51-9011	Chemical Equipment Operators/Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9012	Separate/Filter Mach Setters/Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9071	Jewelers, Precious Stone & Metal Workers	High school diploma or equivalent	None	Long-term on-the-job training
51-9082	Medical Appliance Technicians	High school diploma or equivalent	None	Long-term on-the-job training
51-9122	Painters, Transportation Equipment	High school diploma or equivalent	None	Moderate-term on-the-job training
53-2011	Airline Pilots, Copilots & Flight Engineers	High school diploma or equivalent	1 to 5 years	Long-term on-the-job training
53-2012	Commercial Pilots	High school diploma or equivalent	None	Long-term on-the-job training
53-2031	Flight Attendants	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit & Intercity	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	High school diploma or equivalent	None	Short-term on-the-job training
53-6099	Transportation Workers, All Other	High school diploma or equivalent	None	Short-term on-the-job training

**Northern Stateline EDR
Demand Occupations' Education & Training Requirements**

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
13-1111	Management Analysts	Bachelor's degree	1 to 5 years	None
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants & Auditors	Bachelor's degree	None	None
17-2141	Mechanical Engineers	Bachelor's degree	None	None
21-2011	Clergy	Bachelor's degree	None	Moderate-term on-the-job training
23-1011	Lawyers	Doctoral or professional degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Ex. Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-1069	Physicians & Surgeons, All Other	Doctoral or professional degree	None	None
29-1123	Physical Therapists	Doctoral or professional degree	None	None
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
31-9092	Medical Assistants	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Reps/Wholesale/Mfg,Tech/Scientific	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg,Ex.Tech/Scientific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3011	Bill & Account Collectors	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing/Posting Clerks & Machine Operators	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping/Accounting/Auditing Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
51-1011	1st-Line Spvrs/Mgrs Prod/Operating Workers	Postsecondary non-degree award	1 to 5 years	None
51-2092	Team Assemblers	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4011	Computer-Controlled Mach Tool Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4121	Welders, Cutters, Solderers & Brazers	High school diploma or equivalent	Less than 1 year	Moderate-term on-the-job training
51-4122	Welding/Soldering Mach Setters/Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspect/Testers/Sorters/Samplers/Weighers	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

Northwest EDR
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Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
11-2022	Sales Managers	Bachelor's degree	1 to 5 years	None
11-3031	Financial Managers	Bachelor's degree	More than 5 years	None
11-9032	Ed.Administrators, Elem. & Secondary	Master's degree	1 to 5 years	None
13-1031	Claims Adjusters/Examiners/Investigators	High school diploma or equivalent	None	Long-term on-the-job training
13-1111	Management Analysts	Bachelor's degree	1 to 5 years	None
13-1161	Market Research Analysts & Specialists	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants & Auditors	Bachelor's degree	None	None
15-1121	Computer Systems Analysts	Bachelor's degree	None	None
15-1131	Computer Programmers	Bachelor's degree	None	None
15-1132	Software Developers, Applications	Bachelor's degree	None	None
17-2141	Mechanical Engineers	Bachelor's degree	None	None
21-1021	Child, Family & School Social Workers	Bachelor's degree	None	None
21-2011	Clergy	Bachelor's degree	None	Moderate-term on-the-job training
23-1011	Lawyers	Doctoral or professional degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers,Ex.Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-1069	Physicians & Surgeons, All Other	Doctoral or professional degree	None	None
29-1123	Physical Therapists	Doctoral or professional degree	None	None
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
33-9093	Transportation Security Screeners	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Reps/Wholesale/Mfg,Tech/Scientific	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg,Ex.Tech/Scntific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3011	Bill & Account Collectors	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing/Posting Clerks & Machine Operators	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
47-2073	Operating Enginrs/Const.EquipOperators	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
49-3023	Automotive Service Techs/Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9051	Electrical Power-Line Installers/Repairers	High school diploma or equivalent	None	Long-term on-the-job training
51-1011	1st-LineSpvrs/Mgrs Prod/Operating Workers	Postsecondary non-degree award	1 to 5 years	None
51-4011	Computer-Controlled Mach Tool Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	High school diploma or equivalent	None	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers & Brazers	High school diploma or equivalent	Less than 1 year	Moderate-term on-the-job training
51-9061	Inspect/Testers/Sorters/Samplers/Weighers	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

Southeast EDR
Demand Occupations' Education & Training Requirements

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants & Auditors	Bachelor's degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Ex. Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg, Ex. Tech/Scientific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4051	Customer Service Representatives	High school diploma or equivalent	None	Short-term on-the-job training
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
49-3023	Automotive Service Techs/Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9071	Maintenance & Repair Workers, General	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	High school diploma or equivalent	None	Long-term on-the-job training
51-9061	Inspect/Testers/Sorters/Samplers/Weighers	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

Southern EDR
Demand Occupations' Education & Training Requirements

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
13-2011	Accountants & Auditors	Bachelor's degree	None	None
21-1021	Child, Family & School Social Workers	Bachelor's degree	None	None
23-1011	Lawyers	Doctoral or professional degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Ex. Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg, Ex. Tech/Scientific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3031	Bookkeeping/Accounting/Auditing Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
47-2073	Operating Engineers/Const. Equipment Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
49-3023	Automotive Service Technicians/Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9071	Maintenance & Repair Workers, General	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

Southwest EDR
Demand Occupations' Education & Training Requirements

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-1011	Chief Executives	Bachelor's degree	More than 5 years	None
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
11-2022	Sales Managers	Bachelor's degree	1 to 5 years	None
11-3031	Financial Managers	Bachelor's degree	More than 5 years	None
11-9021	Construction Managers	Associate's degree	More than 5 years	None
11-9032	Ed.Administrators, Elem. & Secondary	Master's degree	1 to 5 years	None
11-9111	Medical & Health Services Managers	Bachelor's degree	None	None
13-1031	Claims Adjusters/Examiners/Investigators	High school diploma or equivalent	None	Long-term on-the-job training
13-1051	Cost Estimators	Bachelor's degree	None	None
13-1111	Management Analysts	Bachelor's degree	1 to 5 years	None
13-1161	Market Research Analysts & Specialists	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants & Auditors	Bachelor's degree	None	None
15-1121	Computer Systems Analysts	Bachelor's degree	None	None
15-1131	Computer Programmers	Bachelor's degree	None	None
15-1132	Software Developers, Applications	Bachelor's degree	None	None
17-2051	Civil Engineers	Bachelor's degree	None	None
21-1021	Child, Family & School Social Workers	Bachelor's degree	None	None
23-1011	Lawyers	Doctoral or professional degree	None	None
23-2011	Paralegals & Legal Assistants	Associate's degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers,Ex.Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-1069	Physicians & Surgeons, All Other	Doctoral or professional degree	None	None
29-1123	Physical Therapists	Doctoral or professional degree	None	None
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Reps/Wholesale/Mfg,Tech/Scientific	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg,Ex.Tech/Scientific	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3011	Bill & Account Collectors	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing/Posting Clerks & Machine Operators	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping/Accounting/Auditing Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5032	Dispatchers, Ex. Police/Fire/Ambulance	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training
43-6013	Medical Secretaries	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Enginrs/Const.EquipOperators	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship
47-2152	Plumbers, Pipefitters & Steamfitters	High school diploma or equivalent	None	Apprenticeship
49-3021	Automotive Body & Related Repairers	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3023	Automotive Service Techs/Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-3031	Bus/Truck/Diesel Engine Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training
49-9071	Maintenance & Repair Workers, General	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	1st-LineSpvrs/Mgrs Prod/Operating Workers	Postsecondary non-degree award	1 to 5 years	None
51-4011	Computer-Controlled Mach Tool Operators	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	High school diploma or equivalent	None	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers & Brazers	High school diploma or equivalent	Less than 1 year	Moderate-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training

**West Central EDR
Demand Occupations' Education & Training Requirements**

Standard Occupational Classification (SOC)		Education / Training Requirement		
Code	Title	Education	Work experience	On-the-job training
11-1021	General & Operations Managers	Associate's degree	1 to 5 years	None
13-1199	Business Operations Specialists, All Other	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants & Auditors	Bachelor's degree	None	None
25-2021	Elem. School Teachers, Ex. Special Ed.	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Ex. Special/Voc Ed	Bachelor's degree	None	Internship/residency
25-2031	Secondary Teachers, Ex. Spec/Voc. Ed.	Bachelor's degree	None	Internship/residency
29-2061	Licensed Practical & Vocational Nurses	Postsecondary non-degree award	None	None
33-3051	Police & Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training
41-4012	Sales Reps/Wholesale/Mfg, Ex. Tech/Scientific	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship
49-9071	Maintenance & Repair Workers, General	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	High school diploma or equivalent	None	Long-term on-the-job training
53-3032	Truck Drivers, Heavy & Tractor-Trailer	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training