

1999 Nontraditional Occupations for Women
Wider Opportunities for Women (WOW)

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MANAGERIAL/PROFESSIONAL OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Executive/Administrative/Managerial			
Funeral Director	49	9	18.4
Management-Related			
Purchasing Agents & Buyers, Farm Products	13	2	15.4
Construction Inspectors	69	7	10.1
Professional Specialty			
Engineers, Architects, Surveyors			
Architects	194	30	15.5
Engineers			
Aerospace	79	9	11.4
Metallurgical And Materials	30	2	6.7
Mining	6	1	16.7
Petroleum	21	1	4.8
Chemical	82	13	15.9
Nuclear	10	1	10
Civil 287	27	9.4	
Agricultural	4	0	0
Electrical And Electronic	639	65	10.2
Industrial	260	44	16.9
Mechanical	340	24	7.1
Marine And Naval Architects	21	-	0
Engineering, N.E.	303	34	11.2
Surveyors And Mapping Scientists	15	1	6.7
Mathematical And Computer Scientists			
Mathematical Scientists, N.E.C.	7	-	0
Natural Scientists			
Physicists And Astronomers	31	4	12.9
Atmospheric And Space Scientists	9	1	11.1
Geologists And Geodesists	56	3	5.4
Agricultural And Food Scientists	48	11	22.9
Forestry And Conservation Scientists	25	3	12
Health Diagnosing			
Physicians	720	177	24.6
Dentists	173	29	16.8

Source = U.S. Department of Labor, Bureau of Labor Statistics, 1999 Employment and Earnings, *Table 1. Employed and experienced unemployed persons by detailed occupation, sex, race, and Hispanic origin*

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MANAGERIAL/PROFESSIONAL OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Teachers, Postsecondary			
Earth, Environment, Marine Science	4	0	0
Physics Teachers	17	4	23.5
Natural Science Teachers	3	-	0
Economics Teachers	23	3	13
History Teachers	17	4	23.5
Political Science Teachers	9	1	11.1
Social Science Teachers, N.E.C.	6	1	16.7
Engineering Teachers	44	5	11.4
Social Scientists And Urban Planners			
Urban Planners	20	4	20
Social, Recreation, Religious Workers			
Clergy 352	50	14.2	
Writers, Artists, Entertainers, Athletes			
Announcers50	11	22	

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TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Technicians And Related Support			
Engineering And Related Technologists			
Electrical And Electronic Technicians	437	63	14.4
Industrial Engineering Technicians	1	0	0
Mechanical Engineering Technicians	18	4	22.2
Drafting Occupations	235	43	18.3
Surveying And Mapping Technicians	67	7	10.4
Technicians, Exc. Health, Engineering, Science			
Airplane Pilots And Navigators	143	4	2.8
Air Traffic Controllers	24	5	20.8
Broadcast Equipment Operators	31	4	12.9
Tool Programmers, Numerical Control	10	-	0
Sales Occupations			
Sales Rep, Commodities, Except Retail			
Sales Engineer	38	3	7.9
Sales Workers, Retail And Personal Services			
Sales Workers, Motor Vehicles And Boats	320	34	10.6
Sales Workers, Parts	173	17	9.8
Sales-Related			
Auctioneers	8	-	0
Administrative Support, Inc. Clerical			
Supervisors, Administrative Support			
Supervisors, Computer Equipment Operators	13	3	23.1
Mail And Message Distributing			
Messengers	151	35	23.2
Material Recording, Sched., And District Clerks			
Meter Readers	46	4	8.7

Source = U.S. Department of Labor, Bureau of Labor Statistics, 1999 Employment and Earnings, *Table 1. Employed and experienced unemployed persons by detailed occupation, sex, race, and Hispanic origin*

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SERVICE OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Protective Services			
Supervisors, Protective Services			
Supervisors, Firefighting And Fire Prevention	39	0	0
Supervisors, Police And Detectives	96	17	17.7
Supervisors, Guards	45	7	15.6
Firefighting And Fire Prevention			
Fire Inspection And Fire Prevention	18	3	16.7
Firefighting Occupation	223	4	1.7
Police And Detectives			
Police And Detectives, Public Service	618	87	14.1
Sheriffs, Bailiffs And Other Law Enforcement Officers	175	25	14.3
Correctional Institution Officers	315	74	23.5
Guards			
Guards And Police, Except Public Service	763	158	20.7
Service Occupations, Exc. Protective And Pvt. Held			
Cleaning And Building Services			
Elevator Operators	6	1	16.7
Pest Control Occupation	70	2	2.9
Personal Service			
Barbers	81	17	21
Baggage Porters And Bellhops	48	3	6.3

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PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Mechanics And Repairers			
Supervisors, Mechanics And Repairers	264	27	10.2
Mechanics And Repairers, Exc. Supervisors			
Vehicle And Mobile Equipment Mechanics And Repairers	1768	27	1.5
Automobile Mechanics	837	12	1.4
Bus, Truck, And Stationary Engine Mechanics	330	3	0.9
Aircraft Engine Mechanics	147	6	4.1
Small Engine Repairers	72	0	0
Automobile Body And Related Repairers	167	1	0.5
Aircraft Mechanics, Excluding Engine	23	2	8.7
Heavy Equipment Mechanics	160	2	1.3
Farm Equipment Mechanics	31	^	0
Industrial Machinery Repairs	570	16	2.8
Machinery Maintenance Occupation	15	0	0
Electrical And Electronic Equipment Repairers	966	107	11.1
Elect. Repairers, Commercial And Industrial Equipment	217	17	7.8
Data Processing Equipment Repairers	315	48	15.2
Household Appliance And Power Tool Repairers	47	2	4.3
Telephone Line Installers And Repairers	56	4	7.1
Telephone Installers And Repairers	249	33	13.3
Miscellaneous Electric And Electronic Equipment Repairers	83	4	4.8
Heating, Air Conditioning, And Refrigerator Repairers	357	5	1.4
Miscellaneous Mechanics And Repairers	927	53	5.7
Camera, Watch, And Musical Instrument Repairers	31	4	12.9
Locksmith And Safe Repairers	36	3	8.3
Office Machine Repairers	47	3	6.4
Mechanical Controls And Valve Repairers	15	^	0
Elevator Installers And Repairers	25	0	0
Millwrights	72	2	2.8
Specified Mechanics And Repairers, N.E.C.	409	34	8.3
Not Specified Mechanics And Repairers	293	6	2
Construction Trades			
Supervisors, Construction			

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PRECISION PRODUCTION, CRAFT AND REPAIR OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Construction Trades (Continued)			
Supervisors, Brick And Stone Masons, Tile Setters	2	^	0
Supervisors, Carpenters And Related Workers	30	^	
Supervisors, Electric And Power Transmitter Installers	46	1	2.2
Supervisors, Painters, Paperhangers, Plasterers	20	^	0
Supervisors, Plumbers, Pipe And Stream Fitters	16	^	0
Supervisors, N.E.C.	703	17	2.4
Construction Trades, Exc. Supervisors			
Brickmasons And Stonemasons	197	3	1.5
Tile Setters, Hard And Soft	95	2	2.1
Carpet Installers	129	2	1.6
Carpenters	1398	16	1.1
Drywall Installers	187	7	3.7
Electricians	834	19	2.3
Electrical Power Installers And Repairers	134	3	2.2
Painters, Construction And Maintenance	603	38	6.3
Plasterers	48	^	0
Plumbers, Pipefitters, And Steamfitters	540	10	1.9
Concrete And Terrazo Finishers	107	4	3.7
Glaziers	47	2	4.3
Insulation Workers	57	3	5.3
Paving, Surfacing, And Tamping Equipment Operator	15	0	0
Roofers	214	4	1.9
Sheet Metal Duct Installers	47	^	0
Structural Metal Workers	71	0	0
Drillers, Earth	23	1	4.3
Construction Trades, N.E.C	206	5	2.4
Extractive Occupations			
Supervisors, Extractive Occupation	35	^	0
Drillers, Oil Well	25	0	0
Explosives Workers	9	^	0
Mining Machine Operators	36	1	2.8
Mining Occupations, N.E.C.	25	0	0

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	Total # Employed (1000s)	Total # Women (1000s)	% Women
Precision Production Occupations			
Supervisors, Production Occupations	1160	226	19.5
Precision Metal Working Occupations			
Tool And Die Makers	142	6	4.2
Precision Assemblers, Metal	26	6	23.1
Machinists	515	29	5.6
Boilermakers	26	1	3.8
Precision Grinders, Fitters, Tool Sharpeners	16	1	6.3
Patternmakers And Model Makers, Metal	8	^	0
Lay-Out Workers	8	1	12.5
Sheet Metal Workers	135	8	5.9
Precision Woodworking Occupations			
Patternmakers And Model Makers, Wood	1	^	0
Cabinet Makers And Bench Carpenters	86	5	5.8
Miscellaneous Precision Woodworkers	2	^	0
Precision Textile, Apparel, Furnishings Machine Workers			
Upholsterers	69	16	23.1
Shoe Repairers	11	2	18.2
Precision Workers, Assorted Materials			
Hand Molders And Shapers, Except Jewelers	25	5	20
Precision Workers, Assorted Materials			
Patternmakers, Lay Out Workers, And Cutters	15	2	13.3
Miscellaneous Precision Workers, N.E.C.	22	1	4.5
Precision Food Production			
Butchers And Meat Cutters	260	65	25
Precision Inspectors, Testers, Related Workers			
Inspectors, Testers, Graders	123	30	24.4
Plant And System Operators			
Water And Sewage Treatment Plant Operators	58	3	5.2
Power Plant Operators	36	4	11.1
Stationary Engineers	113	1	0.8
Miscellaneous Plant And System Operators	41	2	4.9

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OPERATORS, FABRICATORS, AND LABORERS OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Machine Operators, Assemblers, And Inspectors			
Machine Operators And Tenders, Exc. Precision			
Metalworking And Plastic Working Machine Operator			
Lathe And Turning Machine Set-Up Operators	18	2	11.1
Lathe And Turning Machine Operators	42	7	16.7
Milling And Planning Machine Operators	5	^	0
Rolling Machine Operators	12	2	16.7
Drilling And Boring Machine Operators	12	1	8.3
Grinding, Buffing, Polishing Machine Operators	114	18	15.8
Forging Machine Operators	13	1	7.7
Numerical Control Machine Operators	21	1	4.8
Miscellaneous Metal, Plastic, Stone, Glass Machine Operator	12	2	16.7
Metal And Plastic Processing Machine Operators			
Metal Plating Machine Operators	28	6	21.4
Heat Treating Equipment Operators	8	^	0
Miscellaneous Metal And Plastic Processing Machine Operator	12	2	16.7
Woodworking Machine Operators			
Sawing Machine Operators	83	11	2
Shaping And Joining Machine Operators	6	1	16.7
Miscellaneous Woodworking Machine Operators	36	5	13.9
Printing Machine Operators			
Printing Press Operators	277	48	17.3
Textile, Apparel, And Furnishings Machine Operator			
Textile Cutting Machine Operator	6	1	16.7
Machine Operators, Assorted Materials			
Extruding And Forming Machine Operators	32	4	12.5
Mixing And Blending Machine Operators	128	16	12.5
Separating, Filtering, And Clarifying Machine Operators	52	8	15.4
Painting And Paint Spraying Machine Operators	205	28	13.7
Roasting And Baking Machine Operator, Food	9	1	11.1
Furnace, Kiln, And Oven Operator, Except Food	70	3	4.3
Motion Picture Projectionists	9	2	22.2

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	Total # Employed (1000s)	Total # Women (1000s)	% Women
Machine Operators, Assemblers, And Inspectors (Continued)			
Fabricators, Assemblers, And Hand Working Occupation			
Welders And Cutters	571	32	5.6
Hand Molding, Casting, And Forming Occupations	16	3	18.8
Transportation And Material Moving Occupation			
Motor Vehicle Operators			
Supervisors, Motor Vehicle Operators	86	19	22.1
Truck Drivers	3611	152	4.2
Drivers-Sales Workers	160	17	10.6
Taxicab Drivers And Chauffeurs	271	36	13.3
Parking Lot Attendants	68	9	13.2
Motor Transportation Occupations, N.E.C.	11	1	9.1
Transportation Occupations, Exc. Motor Vehicles			
Rail Transportation			
Railroad Conductors And Yardmasters	45	0	0
Locomotive Operating Occupations	45	1	2.2
Railroad Brake, Signal And Switch Operator	9	^	0
Rail Vehicle Operators, N.E.C.	7	^	0
Water Transportation			
Ship Captains And Mates, Except Fishing Boats	31	1	3.2
Sailors And Deckhands	16	0	0
Marine Engineers	5	0	0
Bridge, Lock, And Lighthouse Tenders	5	1	20
Material Moving Equipment Operators			
Supervisors, Material Moving Equipment Operators	14	0	0
Operating Engineers	236	4	1.7
Longshore Equipment Operators	6	^	0
Hoist And Winch Operators	20	2	10
Crane And Tower Operators	74	3	4.1
Excavating And Loading Machine Operators	105	2	1.9
Grader, Dozer, And Scraper Operators	73	3	4.1
Industrial Truck And Tractor Equipment Operator	544	39	7.2
Miscellaneous Material Moving Equipment Operator	80	6	7.5
Handlers, Equipment Cleaners, Helpers, And Laborers			

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	Total # Employed (1000s)	Total # Women (1000s)	% Women
Handlers, Equipment Cleaners, Helpers, And Laborers (Continued)			
Supervisors, Handlers, Equipment Cleaners, And Laborers	12	1	8.3
Helpers, Mechanics And Repairers	22	1	4.5
Helpers, Construction And Extractive			
Helpers, Construction Trades	100	5	5
Helpers, Surveyor	9	1	11.1
Helpers, Extractive Occupations	2	^	0
Construction Laborers	920	38	4.1
Freight, Stock, And Material Handlers			
Garbage Collectors	55	5	9.1
Stevedores	23	2	8.7
Freight, Stock, And Material Handlers, N.E.C.	720	93	12.9
Garage And Service Station Related Occupation	195	7	3.6
Vehicle Washers And Equipment Cleaners	280	37	13.2
Laborers, Except Construction	1286	277	21.5

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FARMING, FORESTRY, AND FISHING OCCUPATIONS

	Total # Employed (1000s)	Total # Women (1000s)	% Women
Farm Operators And Managers			
Horticultural Specialty Farmers	65	7	10.8
Managers, Farms, Except Horticultural	146	30	20.5
Managers, Horticultural Specialty Farms	23	3	13
Other Agricultural And Related Occupations			
Farm Occupation, Except Managerial			
Farm Workers	757	141	18.6
Related Agricultural Occupation			
Supervisors, Related Agricultural Occupations	164	16	9.8
Groundskeepers And Gardeners, Except Farms	943	65	6.9
Inspectors, Agricultural Products	4	1	25
Forestry And Logging			
Supervisors, Forestry And Logging Workers	22	4	18.2
Forestry Workers, Except Logging	20	3	15
Timber Cutting And Logging Occupations	66	1	1.5
Fishers, Hunters, And Trappers			
Captains And Other Officers, Fishing Vessels	6	0	0
Fishers	42	3	7.1
Hunters And Trappers	2	^	0

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