

# Occupation Overview: Automotive

Emsi Q2 2016 Data Set

## Upstate SC Alliance



124 Verdae Blvd  
South Carolina 29607

# Parameters

## Occupations

44 items selected. See Appendix A for details.

## Regions

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Code	Description
45073	Oconee County, SC

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## Timeframe

2016 - 2026

## Datarun

2016.2 – Employees

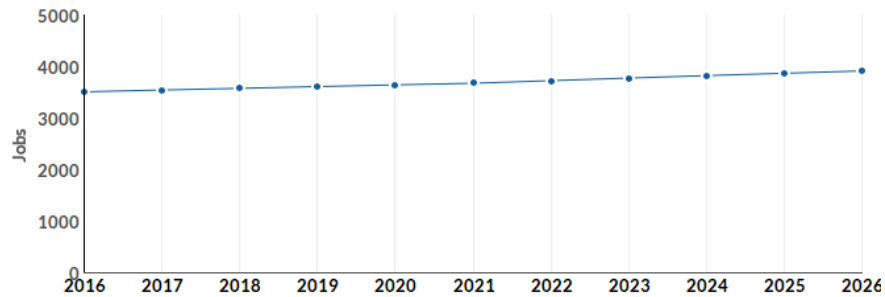
## 44 Occupations in Oconee County, SC

# Occupation Summary for 44 Occupations

<b>3,514</b> Jobs (2016) 152% above National average	<b>11.5%</b> % Change (2016-2026) Nation: 7.1%	<b>\$21.38/hr</b> Median Hourly Earnings Nation: \$21.32/hr
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## Growth

<b>3,514</b> 2016 Jobs	<b>3,919</b> 2026 Jobs	<b>405</b> Change (2016-2026)	<b>11.5%</b> % Change (2016-2026)
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Occupation	2016 Jobs	2026 Jobs	Change	% Change
Industrial Production Managers (11-3051)	85	86	1	1%
Transportation, Storage, and Distribution Managers (11-3071)	13	13	0	0%
Electrical Engineers (17-2071)	124	118	-6	-5%
Industrial Engineers (17-2112)	183	190	7	4%
Materials Engineers (17-2131)	20	20	0	0%
Mechanical Engineers (17-2141)	151	161	10	7%
Petroleum Engineers (17-2171)	1	1	0	0%
Electrical and Electronics Engineering Technicians (17-3023)	28	29	1	4%
Electro-Mechanical Technicians (17-3024)	3	3	0	0%
Mechanical Engineering Technicians (17-3027)	36	37	1	3%
Engineering Technicians, Except Drafters, All Other (17-3029)	18	20	2	11%
Parts Salespersons (41-2022)	38	43	5	13%

Occupation	2016 Jobs	2026 Jobs	Change	% Change
Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)	11	11	0	0%
Automotive Glass Installers and Repairers (49-3022)	4	5	1	25%
Mobile Heavy Equipment Mechanics, Except Engines (49-3042)	21	20	-1	-5%
Mechanical Door Repairers (49-9011)	4	6	2	50%
Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)	20	20	0	0%
Industrial Machinery Mechanics (49-9041)	156	177	21	13%
Maintenance Workers, Machinery (49-9043)	16	22	6	38%
First-Line Supervisors of Production and Operating Workers (51-1011)	297	306	9	3%
Electromechanical Equipment Assemblers (51-2023)	12	14	2	17%
Engine and Other Machine Assemblers (51-2031)	10	17	7	70%
Team Assemblers (51-2092)	1,215	1,390	175	14%
Timing Device Assemblers and Adjusters (51-2093)	3	3	0	0%
Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)	204	259	55	27%
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)	16	21	5	31%
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic (51-4023)	30	24	-6	-20%
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)	45	55	10	22%

Occupation	2016 Jobs	2026 Jobs	Change	% Change
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)	7	7	0	0%
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)	36	35	-1	-3%
Machinists (51-4041)	390	449	59	15%
Model Makers, Metal and Plastic (51-4061)	6	6	0	0%
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)	56	56	0	0%
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)	10	11	1	10%
Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)	1	1	0	0%
Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)	8	9	1	13%
Cutting and Slicing Machine Setters, Operators, and Tenders (51-9032)	2	2	0	0%
Packaging and Filling Machine Operators and Tenders (51-9111)	32	44	12	38%
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders (51-9121)	13	16	3	23%
Production Workers, All Other (51-9199)	28	45	17	61%
Heavy and Tractor-Trailer Truck Drivers (53-3032)	117	114	-3	-3%
Conveyor Operators and Tenders (53-7011)	2	2	0	0%
Cleaners of Vehicles and Equipment (53-7061)	30	35	5	17%

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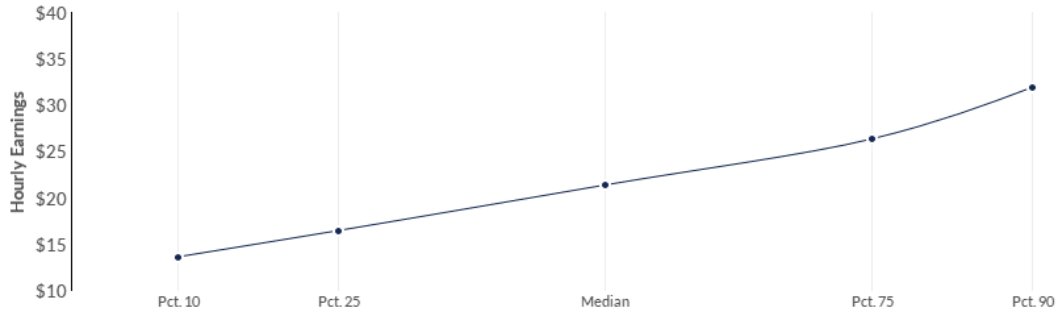
<b>Occupation</b>	<b>2016 Jobs</b>	<b>2026 Jobs</b>	<b>Change</b>	<b>% Change</b>
Machine Feeders and Offbearers (53-7063)	15	18	3	20%

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## Percentile Earnings

<b>\$16.46/hr</b> 25th Percentile Earnings	<b>\$21.38/hr</b> Median Earnings	<b>\$26.35/hr</b> 75th Percentile Earnings
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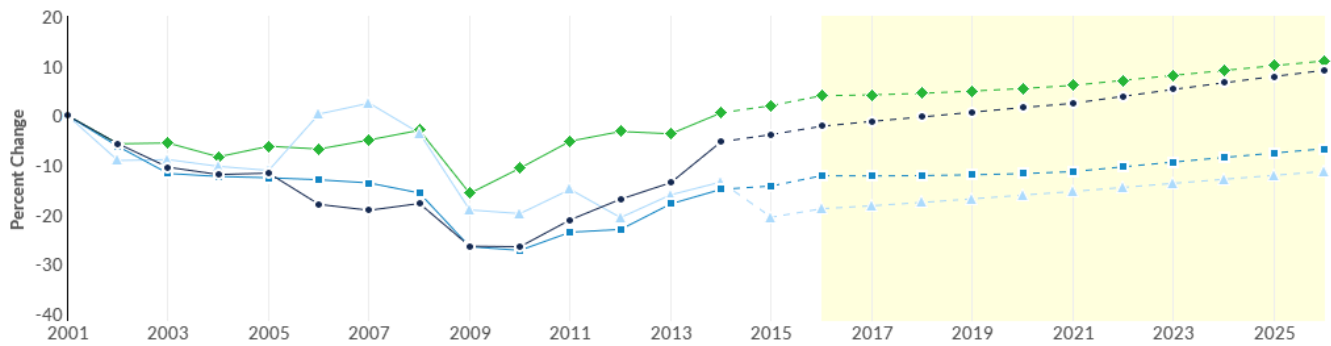


Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Industrial Production Managers (11-3051)	\$38.81	\$44.67	\$53.29
Transportation, Storage, and Distribution Managers (11-3071)	\$30.42	\$40.76	\$51.79
Electrical Engineers (17-2071)	\$28.07	\$41.26	\$51.07
Industrial Engineers (17-2112)	\$30.52	\$35.06	\$40.75
Materials Engineers (17-2131)	\$30.77	\$41.16	\$48.78
Mechanical Engineers (17-2141)	\$25.51	\$34.97	\$44.81
Petroleum Engineers (17-2171)	\$20.70	\$27.55	\$38.60
Electrical and Electronics Engineering Technicians (17-3023)	\$21.01	\$23.62	\$29.39
Electro-Mechanical Technicians (17-3024)	\$18.46	\$23.69	\$27.93
Mechanical Engineering Technicians (17-3027)	\$19.93	\$22.98	\$26.29
Engineering Technicians, Except Drafters, All Other (17-3029)	\$21.67	\$24.23	\$27.61
Parts Salespersons (41-2022)	\$9.25	\$12.58	\$14.91
Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)	\$19.12	\$21.24	\$23.28
Automotive Glass Installers and Repairers (49-3022)	\$12.81	\$16.20	\$19.18
Mobile Heavy Equipment Mechanics, Except Engines	\$16.76	\$19.32	\$21.88

<b>Occupation</b>	<b>25th Percentile Earnings</b>	<b>Median Earnings</b>	<b>75th Percentile Earnings</b>
(49-3042)			
Mechanical Door Repairers (49-9011)	\$14.96	\$17.53	\$20.05
Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)	\$18.15	\$23.29	\$27.22
Industrial Machinery Mechanics (49-9041)	\$20.80	\$24.44	\$30.61
Maintenance Workers, Machinery (49-9043)	\$14.94	\$18.18	\$21.70
First-Line Supervisors of Production and Operating Workers (51-1011)	\$20.91	\$26.64	\$33.26
Electromechanical Equipment Assemblers (51-2023)	\$11.05	\$14.04	\$15.99
Engine and Other Machine Assemblers (51-2031)	\$12.95	\$17.04	\$20.40
Team Assemblers (51-2092)	\$9.63	\$15.37	\$20.32
Timing Device Assemblers and Adjusters (51-2093)	\$10.47	\$14.39	\$19.03
Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)	\$15.33	\$17.51	\$20.10
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic (51-4012)	\$16.58	\$21.70	\$25.09
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic (51-4023)	\$17.08	\$20.44	\$22.75
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic (51-4031)	\$15.28	\$21.68	\$28.42
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)	\$15.25	\$20.06	\$28.32
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4034)	\$13.00	\$17.19	\$19.27
Machinists (51-4041)	\$16.42	\$18.02	\$19.65
Model Makers, Metal and Plastic	\$15.30	\$20.64	\$24.97

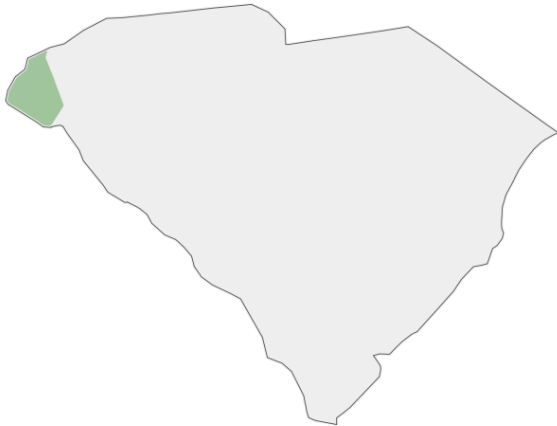
<b>Occupation</b>	<b>25th Percentile Earnings</b>	<b>Median Earnings</b>	<b>75th Percentile Earnings</b>
(51-4061)			
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)	\$12.56	\$14.65	\$17.96
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic (51-4193)	\$13.51	\$15.98	\$18.26
Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)	\$29.59	\$29.59	\$29.59
Mixing and Blending Machine Setters, Operators, and Tenders (51-9023)	\$14.40	\$16.10	\$21.53
Cutting and Slicing Machine Setters, Operators, and Tenders (51-9032)	\$11.48	\$18.95	\$23.90
Packaging and Filling Machine Operators and Tenders (51-9111)	\$16.42	\$17.96	\$19.56
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders (51-9121)	\$13.15	\$16.77	\$20.60
Production Workers, All Other (51-9199)	\$13.22	\$18.91	\$24.11
Heavy and Tractor-Trailer Truck Drivers (53-3032)	\$13.36	\$15.68	\$21.18
Conveyor Operators and Tenders (53-7011)	\$11.31	\$12.66	\$16.47
Cleaners of Vehicles and Equipment (53-7061)	\$9.08	\$9.83	\$10.66
Machine Feeders and Offbearers (53-7063)	\$9.68	\$10.61	\$11.54

## Regional Trends



	Region	2016 Jobs	2026 Jobs	Change	% Change
●	Region	3,514	3,919	405	11.5%
■	Oconee Labor Shed	18,706	19,866	1,160	6.2%
▲	Pickens County, SC	2,798	3,058	260	9.3%
◆	Greenville County, SC	28,227	30,132	1,905	6.7%

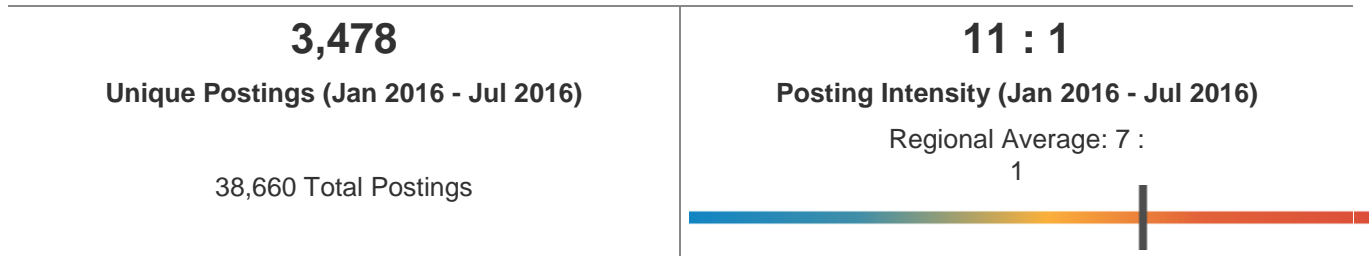
# Regional Breakdown



\* Highlighted areas show counties that contain the selected zip codes

ZIP	2026 Jobs
Seneca, SC 29678 (in Oconee county)	1,879
Walhalla, SC 29691 (in Oconee county)	595
Westminster, SC 29693 (in Oconee county)	562
Seneca, SC 29672 (in Oconee county)	444
Seneca, SC 29679 (in Oconee county)	164

## Job Postings Summary



There were **38,660** total job postings for 44 Occupations from January 2016 to July 2016, of which **3,478** were unique. These numbers give us a Posting Intensity of **11-to-1**, meaning that for every 11 postings there is 1 unique job posting. This is higher than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that companies may be trying harder to hire this position.

# Occupation Gender Breakdown

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	Gender	2016 Jobs	2016 Percent
•	Males	2,612	74.4%
•	Females	901	25.6%

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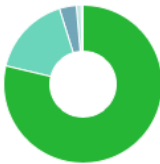
# Occupation Age Breakdown



	Age	2016 Jobs	2016 Percent
●	14-18	4	0.1%
●	19-24	192	5.5% ■
●	25-34	605	17.2% ■■
●	35-44	918	26.1% ■■■
●	45-54	1,026	29.2% ■■■■
●	55-64	691	19.7% ■■■
●	65+	77	2.2% ■



# Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2016 Jobs	2016 Percent
●	White	2,766	78.7%
●	Black or African American	579	16.5%
●	Hispanic or Latino	121	3.5%
●	Asian	34	1.0%
●	Two or More Races	10	0.3%
●	American Indian or Alaska Native	3	0.1%
●	Native Hawaiian or Other Pacific Islander	1	0.0%

# Occupational Programs

<b>0</b> Programs (2015)	<b>0</b> Completions (2015)	<b>150</b> Openings (2015)
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## Industries Employing 44 Occupations

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Motor Vehicle Transmission and Power Train Parts Manufacturing	552	15.7%	59.1%
Storage Battery Manufacturing	386	11.0%	41.6%
Ball and Roller Bearing Manufacturing	316	9.0%	49.8%
Cutting Tool and Machine Tool Accessory Manufacturing	314	8.9%	55.3%
Nuclear Electric Power Generation	250	7.1%	17.5%

# Appendix A - Occupations

Code	Description
11-3051	Industrial Production Managers
11-3071	Transportation, Storage, and Distribution Managers
17-2071	Electrical Engineers
17-2112	Industrial Engineers
17-2131	Materials Engineers
17-2141	Mechanical Engineers
17-2171	Petroleum Engineers
17-3023	Electrical and Electronics Engineering Technicians
17-3024	Electro-Mechanical Technicians
17-3027	Mechanical Engineering Technicians
17-3029	Engineering Technicians, Except Drafters, All Other
41-2022	Parts Salespersons
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment
49-3022	Automotive Glass Installers and Repairers
49-3042	Mobile Heavy Equipment Mechanics, Except Engines
49-9011	Mechanical Door Repairers
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door
49-9041	Industrial Machinery Mechanics
49-9043	Maintenance Workers, Machinery
51-1011	First-Line Supervisors of Production and Operating Workers
51-2023	Electromechanical Equipment Assemblers
51-2031	Engine and Other Machine Assemblers
51-2092	Team Assemblers
51-2093	Timing Device Assemblers and Adjusters
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic

<b>Code</b>	<b>Description</b>
51-4041	Machinists
51-4061	Model Makers, Metal and Plastic
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders
51-9111	Packaging and Filling Machine Operators and Tenders
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
51-9199	Production Workers, All Other
53-3032	Heavy and Tractor-Trailer Truck Drivers
53-7011	Conveyor Operators and Tenders
53-7061	Cleaners of Vehicles and Equipment
53-7063	Machine Feeders and Offbearers

# Appendix B - Data Sources and Calculations

## Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

## Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

## CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

## Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## State Data Sources

This report uses state data from the following agencies: Georgia Department of Labor, Workforce Information and Analysis, Occupational Information Services Unit; North Carolina Department of Commerce, Labor and Economic Analysis Division; South Carolina Employment Security Commission, Labor Market Information Department