



# Occupation Skills Transferability Guide

This guide is designed to help job seekers coming from a specific occupation see potentially compatible alternative occupations. This is useful for those looking for a career change, looking for career growth, or those who are struggling to find employment in their previous occupation that want to explore additional options. Occupations listed will require varying levels of additional training, skills, and experience but provides a solid starting point to explore additional options or see what specific training opportunities exist to help make these transitions. This guide is part of our series on skills-based career pathways shifting away from career navigation by industry towards an understanding of how individuals can navigate across multiple industries depending on their individual skill sets and experience.

2023 Edition

# Industrial Engineers

## Charlotte MSA



Overview		Education	
Median Hourly Earnings:	\$41.17/hr	Master's Degree	11.1%
		Post-Baccalaureate Certificate - awarded for completion of an organized program of study; designed for people who have completed a Baccalaureate degree but do not meet the requirements of academic degrees carrying the title of	
2021 Jobs:	2,209	Master.	4.4%
2021-2032 Change:	297	Bachelor's Degree	58.6%
		Associate's Degree (or other 2-year degree)	2.6%
2021-2032 Estimated Annual Openings:	176	Some College Courses	15.8%
		High School Diploma - or the equivalent (for example, GED)	7.5%

Compatible Occupations				
O*NET Occupation	Median Hourly Earnings	2021 Jobs	2032 Expected Growth	
Logistics Engineers	\$30.04	1313	35.2%	
Validation Engineers	\$43.50	758	14.4%	
Mechatronics Engineers	\$43.50	758	14.4%	
Wind Energy Engineers	\$43.50	758	14.4%	
Energy Engineers	\$43.50	758	14.4%	
Petroleum Engineers	\$73.23	142	10.7%	
Commercial and Industrial Designers	\$37.66	258	6.2%	
Architectural and Engineering Managers	\$69.46	1574	5.9%	
Industrial Engineering Technologists	\$29.84	733	5.0%	
Civil Engineering Technicians	\$25.13	519	1.1%	

Top 10 Competencies		
Knowledge	Skill	Ability
Design	Reading Comprehension	Written Comprehension
Mechanical	Monitoring	Oral Expression
Engineering and Technology	Writing	Inductive Reasoning
Mathematics	Critical Thinking	Written Expression
Production and Processing	Speaking	Oral Comprehension
Education and Training	Complex Problem Solving	Deductive Reasoning
Computers and Electronics	Active Listening	Information Ordering
English Language	Judgment and Decision Making	Problem Sensitivity
Administration and Management	Active Learning	Category Flexibility
Customer and Personal Service	Mathematics	Near Vision