

The **Occupation Profiles** tool is located on QualityInfo.org, a website of the **Oregon Employment Department**

Architectural and Engineering Managers (119041)

Portland Tri-County (Clackamas, Multnomah, Washington)

Description

Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields. Excludes "Natural Sciences Managers" (11-9121).

Wage Range

for Architectural and Engineering Managers

Area	10th Percentile	25th Percentile	50th Percentile (Median)	75th Percentile	90th Percentile	Average Hourly	Average Annual
Oregon	\$44.90	\$55.10	\$68.88	\$91.67	\$0.00	\$78.37	\$162,997
Portland Tri-County	47.20	57.05	71.57	95.73	0.00	81.41	169,324

Employment Outlook

for Architectural and Engineering Managers

Statewide Employment Analysis	Employment in this occupation in 2014 was somewhat larger than the statewide average for all occupations. The total number of job openings is projected to be somewhat higher than the statewide average number of job openings for all occupations through 2024. This occupation is expected to grow at about the statewide average growth rate for all occupations through 2024. Reasonable employment opportunities exist.
Area Employment Analysis	Employment in this occupation in 2014 was much larger than the regional average for all occupations. The total number of job openings is projected to be much higher than the regional average number of job openings for all occupations through 2024. This occupation is expected to grow at about the regional average growth rate for all occupations through 2024.

Area Employment Projections

for Architectural and Engineering Managers

Replacement openings are caused by existing workers permanently leaving their occupation. Many additional job openings occur due to job changes within occupations.

Area	2014 Employment	2024 Employment	Change	Percent Change	Annual Growth Openings	Annual Replacement Openings	Total Annual Openings
Oregon	2,992	3,429	437	14.6%	44	92	136
Portland Tri-County	2,463	2,773	310	12.6%	31	76	107

Industries of Employment

for Architectural and Engineering Managers

Industry	Ownership	2014 Employment
Total All Industries	All	2,463
Utilities	Private	47
Manufacturing	Private	1,339
Primary Metal Manufacturing	Private	35
Machinery Manufacturing	Private	81
Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	Private	145
Transportation Equipment Manufacturing	Private	22
Information	Private	20
Professional, Scientific, and Technical Services	Private	649
Architectural, Engineering, and Related Services	Private	464
Management, Scientific, and Technical Consulting Services	Private	62

Occupation Profiles: Architectural and Engineering Managers (119041)

Portland Tri-County (Clackamas, Multnomah, Washington)

Industries of Employment

for Architectural and Engineering Managers

Industry	Ownership	2014 Employment
Scientific Research and Development Services	Private	41
Management of Companies and Enterprises	Private	162
Other Services (except Government)	Private	73
Total Federal Government Employment	Federal	40
Local Government, Excluding Education and Hospitals	Local	61

Educational Requirements

for Architectural and Engineering Managers

The typical entry level education for this occupation is a Bachelor's degree.

Schools and Training Providers

for Architectural and Engineering Managers

The training providers listed below offer programs related to this occupation. This information is updated once per year. Anyone interested in a particular program should check with the training institution regarding its availability. Listing these training providers does not necessarily constitute or imply their endorsement, recommendation, or favoring by the State of Oregon.

School	City	Programs of Training and 2015 Graduates		
Central Oregon Community College	Bend	Polymer/Plastics Engineering.	Postsec. Awards/Cert./Diplomas ; <1 yr.	0
		Polymer/Plastics Engineering.	Postsec. Awards/Cert./Diplomas ; 1-2 yrs.	0
Chemeketa Community College	Salem	Electrical and Electronics Engineering	Associate Degree	8
		Engineering, Other.	Postsec. Awards/Cert./Diplomas ; <1 yr.	6
		Engineering, Other.	Associate Degree	1
Clackamas Community College	Oregon City	Engineering, General.	Associate Degree	4
		Industrial Engineering.	Postsec. Awards/Cert./Diplomas ; <1 yr.	6
		Industrial Engineering.	Postsec. Awards/Cert./Diplomas ; 1-2 yrs.	4
		Industrial Engineering.	Associate Degree	0
Linn-Benton Community College	Albany	Engineering, General.	Associate Degree	6
Portland Community College	Portland	Bioengineering and Biomedical Engineering.	Associate Degree	21
		Environmental Design/Architecture.	Postsec. Awards/Cert./Diplomas ; <1 yr.	2
Treasure Valley Community College	Ontario	Engineering, General.	Associate Degree	2
George Fox University	Newberg	Engineering, General.	Bachelor's Degree	32
Linfield College-Adult Degree Program	McMinnville	Computer Software Engineering.	Postsec. Awards/Cert./Diplomas ; <1 yr.	0
Linfield College-McMinnville Campus	McMinnville	Engineering Physics/Applied Physics.	Bachelor's Degree	4

Schools and Training Providers

for Architectural and Engineering Managers

The training providers listed below offer programs related to this occupation. This information is updated once per year. Anyone interested in a particular program should check with the training institution regarding its availability. Listing these training providers does not necessarily constitute or imply their endorsement, recommendation, or favoring by the State of Oregon.

School	City	Programs of Training and 2015 Graduates		
Oregon Health & Science University	Portland	Bioengineering and Biomedical Engineering.	Master's Degree	0
		Bioengineering and Biomedical Engineering.	Doctor's degree - research/scholarship	4
		Computer Engineering, General.	Master's Degree	1
		Computer Engineering, General.	Doctor's degree - research/scholarship	2
		Electrical and Electronics Engineering	Master's Degree	0
		Electrical and Electronics Engineering	Doctor's degree - research/scholarship	0
Oregon Institute of Technology	Klamath Falls	Civil Engineering, General.	Bachelor's Degree	15
		Civil Engineering, General.	Master's Degree	2
		Electrical and Electronics Engineering	Bachelor's Degree	17
		Electrical, Electronics and Communications Engineering, Other. (NEW)	Bachelor's Degree	1
		Engineering, Other.	Bachelor's Degree	29
		Engineering, Other.	Master's Degree	11
		Mechanical Engineering.	Bachelor's Degree	23

Occupation Profiles: Architectural and Engineering Managers (119041)

Portland Tri-County (Clackamas, Multnomah, Washington)

Schools and Training Providers

for Architectural and Engineering Managers

The training providers listed below offer programs related to this occupation. This information is updated once per year. Anyone interested in a particular program should check with the training institution regarding its availability. Listing these training providers does not necessarily constitute or imply their endorsement, recommendation, or favoring by the State of Oregon.

School	City	Programs of Training and 2015 Graduates		
Oregon State University	Corvallis	Agricultural Engineering.	Bachelor's Degree	18
		Agricultural Engineering.	Master's Degree	1
		Agricultural Engineering.	Doctor's degree - research/scholarship	2
		Bioengineering and Biomedical Engineering.	Bachelor's Degree	26
		Chemical Engineering.	Bachelor's Degree	88
		Chemical Engineering.	Master's Degree	18
		Chemical Engineering.	Doctor's degree - research/scholarship	5
		Civil Engineering, General.	Bachelor's Degree	102
		Civil Engineering, General.	Master's Degree	54
		Civil Engineering, General.	Doctor's degree - research/scholarship	10
		Construction Engineering.	Bachelor's Degree	61
		Electrical and Electronics Engineering	Bachelor's Degree	107
		Electrical and Electronics Engineering	Master's Degree	44
		Electrical and Electronics Engineering	Doctor's degree - research/scholarship	14
		Engineering, Other.	Bachelor's Degree	15
		Environmental/Environmental Health Engineering.	Bachelor's Degree	14
		Environmental/Environmental Health Engineering.	Master's Degree	12
		Environmental/Environmental Health Engineering.	Doctor's degree - research/scholarship	1
		Forest Engineering.	Bachelor's Degree	24
		Industrial Engineering.	Bachelor's Degree	58
		Industrial Engineering.	Master's Degree	16
		Industrial Engineering.	Doctor's degree - research/scholarship	4
		Manufacturing Engineering.	Bachelor's Degree	23
		Materials Science.	Master's Degree	4
		Materials Science.	Doctor's degree - research/scholarship	5
		Mechanical Engineering.	Bachelor's Degree	141
		Mechanical Engineering.	Master's Degree	31
		Mechanical Engineering.	Doctor's degree - research/scholarship	8
		Mechatronics, Robotics, and Automation Engineering. (NEW)	Master's Degree	2
		Mechatronics, Robotics, and Automation Engineering. (NEW)	Doctor's degree - research/scholarship	3
		Nuclear Engineering.	Bachelor's Degree	27
		Nuclear Engineering.	Master's Degree	9
		Nuclear Engineering.	Doctor's degree - research/scholarship	2
		Water Resources Engineering.	Master's Degree	8
		Water Resources Engineering.	Doctor's degree - research/scholarship	1

Schools and Training Providers

for Architectural and Engineering Managers

The training providers listed below offer programs related to this occupation. This information is updated once per year. Anyone interested in a particular program should check with the training institution regarding its availability. Listing these training providers does not necessarily constitute or imply their endorsement, recommendation, or favoring by the State of Oregon.

School	City	Programs of Training and 2015 Graduates		
Portland State University	Portland	Architecture.	Bachelor's Degree	63
		Architecture.	Master's Degree	13
		City/Urban, Community and Regional Planning.	Master's Degree	44
		Civil Engineering, General.	Bachelor's Degree	60
		Civil Engineering, General.	Master's Degree	43
		Civil Engineering, General.	Doctor's degree - research/scholarship	3
		Computer Engineering, General.	Bachelor's Degree	18
		Computer Engineering, Other.	Postbaccalaureate Certificates	1
		Computer Software Engineering.	Postbaccalaureate Certificates	0
		Computer Software Engineering.	Master's Degree	0
		Electrical and Electronics Engineering	Bachelor's Degree	39
		Electrical and Electronics Engineering	Postbaccalaureate Certificates	1
		Electrical and Electronics Engineering	Master's Degree	120
		Electrical and Electronics Engineering	Doctor's degree - research/scholarship	3
		Engineering, Other.	Postbaccalaureate Certificates	3
		Engineering/Industrial Management.	Postbaccalaureate Certificates	4
		Engineering/Industrial Management.	Master's Degree	40
		Engineering/Industrial Management.	Doctor's degree - research/scholarship	2
		Environmental Design/Architecture.	Postbaccalaureate Certificates	4
		Environmental/Environmental Health Engineering.	Bachelor's Degree	13
		Materials Engineering.	Master's Degree	1
		Mechanical Engineering.	Bachelor's Degree	77
		Mechanical Engineering.	Master's Degree	24
		Systems Engineering.	Postbaccalaureate Certificates	0
Systems Engineering.	Master's Degree	3		

Occupation Profiles: Architectural and Engineering Managers (119041)

Portland Tri-County (Clackamas, Multnomah, Washington)

Schools and Training Providers

for Architectural and Engineering Managers

The training providers listed below offer programs related to this occupation. This information is updated once per year. Anyone interested in a particular program should check with the training institution regarding its availability. Listing these training providers does not necessarily constitute or imply their endorsement, recommendation, or favoring by the State of Oregon.

School	City	Programs of Training and 2015 Graduates		
University of Oregon	Eugene	Architecture.	Bachelor's Degree	59
		Architecture.	Master's Degree	72
		Architecture.	Doctor's degree - research/scholarship	2
		City/Urban, Community and Regional Planning.	Master's Degree	16
		Environmental Design/Architecture.	Post-Master's Certificates	0
		Interior Architecture.	Bachelor's Degree	12
		Interior Architecture.	Master's Degree	5
		Landscape Architecture.	Bachelor's Degree	15
		Landscape Architecture.	Master's Degree	12
		Landscape Architecture.	Doctor's degree - research/scholarship	2
University of Portland	Portland	Bioengineering and Biomedical Engineering.	Master's Degree	0
		Civil Engineering, General.	Bachelor's Degree	43
		Electrical and Electronics Engineering	Bachelor's Degree	37
		Engineering, General.	Master's Degree	1
		Engineering/Industrial Management.	Bachelor's Degree	6
		Mechanical Engineering.	Bachelor's Degree	52
		Mechanical Engineering.	Master's Degree	0
Epicodus, Inc.	Portland	Computer Engineering, General.	Variable Length Postsecondary Training	263

Career Pathways

for Architectural and Engineering Managers

These Oregon community colleges have defined career pathway roadmaps to facilitate entry into this occupation.

Community College	Pathway
Clackamas Community College	Renewable Energy Technology (RET)
Columbia Gorge Community College	Electro-Mechanical Technology
Linn-Benton Community College	Engineering and Engineering Technology
Mt Hood Community College	Engineering Technology
Rogue Community College	Automotive Technology
	Electronics Technology
	Manufacturing/Engineering Technology