

Long-term Occupational Projections, State of Hawaii, 2008-2018

SOC Code	Occupation Title	Employment		Growth		Avg. Ann. Growth	Average Annual Openings			Trng. Code*
		2008	2018	Net	Percent		Growth	Placement	Total	
17-1000	Architects, Surveyors, and Cartographers	1,230	1,190	-40	-3.3%	-0.3%	**	20	30	
17-1011	Architects, Except Landscape and Naval	770	740	-30	-3.9%	-0.4%	0	10	10	5
17-1012	Landscape Architects	130	120	-10	-7.7%	-0.8%	0	**	**	5
17-1021	Cartographers and Photogrammetrists	70	80	10	14.3%	1.4%	**	**	**	5
17-1022	Surveyors	260	250	-10	-3.8%	-0.4%	0	10	10	5
17-2000	Engineers	5,530	5,780	250	4.5%	0.5%	30	110	140	
17-2011	Aerospace Engineers	20	20	0	0.0%	0.0%	0	0	0	5
17-2051	Civil Engineers	2,000	2,120	120	6.0%	0.6%	10	30	50	5
17-2061	Computer Hardware Engineers	150	150	0	0.0%	0.0%	**	**	10	5
17-2071	Electrical Engineers	640	650	10	1.6%	0.2%	**	20	20	5
17-2072	Electronics Engineers, Except Computer	540	540	0	0.0%	0.0%	0	10	10	5
17-2081	Environmental Engineers	230	250	20	8.7%	0.9%	**	10	10	5
17-2111	Health & Safety Engineers, Exct Mining Safety Enginrs & Ins	140	140	0	0.0%	0.0%	**	**	**	5
17-2112	Industrial Engineers	90	110	20	22.2%	2.2%	**	**	**	5
17-2121	Marine Engineers and Naval Architects	80	80	0	0.0%	0.0%	0	**	**	5
17-2141	Mechanical Engineers	530	530	0	0.0%	0.0%	**	10	20	5
17-2199	Engineers, All Other	730	740	10	1.4%	0.1%	**	20	20	5
17-3000	Drafters, Engineering, and Mapping Technicians	2,880	2,790	-90	-3.1%	-0.3%	**	60	60	
17-3011	Architectural and Civil Drafters	780	690	-90	-11.5%	-1.2%	0	20	20	7
17-3012	Electrical and Electronics Drafters	190	180	-10	-5.3%	-0.5%	0	**	**	7
17-3013	Mechanical Drafters	140	130	-10	-7.1%	-0.7%	0	**	**	7
17-3019	Drafters, All Other	70	70	0	0.0%	0.0%	0	**	**	7
17-3022	Civil Engineering Technicians	150	150	0	0.0%	0.0%	0	**	**	6
17-3023	Electrical and Electronic Engineering Technicians	540	540	0	0.0%	0.0%	0	10	10	6
17-3024	Electro-Mechanical Technicians	70	70	0	0.0%	0.0%	0	**	**	6
17-3025	Environmental Engineering Technicians	20	20	0	0.0%	0.0%	0	0	0	6
17-3029	Engineering Technicians, Except Drafters, All Other	630	640	10	1.6%	0.2%	**	10	10	6
17-3031	Surveying and Mapping Technicians	200	200	0	0.0%	0.0%	0	**	**	10

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Long-term Occupational Projections, Honolulu MSA, 2008-2018

SOC Code	Occupation Title	Employment		Growth		Avg. Ann.	Average Annual Openings			Trng. Code*
		2008	2018	Net	Percent	Growth	Growth	Replacement	Total	
17-0000	Architecture and Engineering Occupations	8,500	8,590	90	1.1%	0.1%	20	170	200	
17-1000	Architects, Surveyors, and Cartographers	1,090	1,060	-30	-2.8%	-0.3%	**	20	20	
17-1011	Architects, Except Landscape and Naval	700	670	-30	-4.3%	-0.4%	0	10	10	5
17-1021	Cartographers and Photogrammetrists	60	60	0	0.0%	0.0%	**	**	**	5
17-1022	Surveyors	230	220	-10	-4.3%	-0.4%	0	10	10	5
17-2000	Engineers	4,960	5,170	210	4.2%	0.4%	20	100	120	
17-2051	Civil Engineers	1,760	1,860	100	5.7%	0.6%	10	30	40	5
17-2061	Computer Hardware Engineers	100	100	0	0.0%	0.0%	**	**	**	5
17-2071	Electrical Engineers	540	560	20	3.7%	0.4%	**	10	20	5
17-2072	Electronics Engineers, Except Computer	470	470	0	0.0%	0.0%	0	10	10	5
17-2081	Environmental Engineers	230	250	20	8.7%	0.9%	**	10	10	5
17-2111	Health and Safety Engineers, Except Mining Sa	130	140	10	7.7%	0.8%	**	**	**	5
17-2112	Industrial Engineers	80	90	10	12.5%	1.3%	**	**	**	5
17-2121	Marine Engineers and Naval Architects	80	80	0	0.0%	0.0%	0	**	**	5
17-2141	Mechanical Engineers	510	510	0	0.0%	0.0%	0	10	10	5
17-2199	Engineers, All Other	650	660	10	1.5%	0.2%	**	10	20	5
17-3000	Drafters, Engineering, and Mapping Technicians	2,450	2,370	-80	-3.3%	-0.3%	**	50	50	
17-3011	Architectural and Civil Drafters	660	580	-80	-12.1%	-1.2%	0	10	10	7
17-3012	Electrical and Electronics Drafters	140	130	-10	-7.1%	-0.7%	0	**	**	7
17-3019	Drafters, All Other	60	60	0	0.0%	0.0%	0	**	**	7
17-3022	Civil Engineering Technicians	120	120	0	0.0%	0.0%	**	**	**	6
17-3023	Electrical and Electronic Engineering Technicians	470	460	-10	-2.1%	-0.2%	0	10	10	6
17-3024	Electro-Mechanical Technicians	60	60	0	0.0%	0.0%	0	**	**	6
17-3025	Environmental Engineering Technicians	20	20	0	0.0%	0.0%	**	0	0	6
17-3029	Engineering Technicians, Except Drafters, All C	590	600	10	1.7%	0.2%	**	10	10	6
17-3031	Surveying and Mapping Technicians	120	120	0	0.0%	0.0%	**	**	**	10

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Long-term Occupational Projections, Hawaii County, 2008-2018

SOC Code	Occupation Title	Employment		Growth		Avg. Ann. Growth	Average Annual Openings			Trng. Code*
		2008	2018	Net	Percent		Growth	Replacement	Total	
17-1000	Architects, Surveyors, and Cartographers	30	30	0	0.0%	0.0%	0	**	**	
17-1022	Surveyors	20	20	0	0.0%	0.0%	0	0	0	5
17-2000	Engineers	200	210	10	5.0%	0.5%	**	**	10	
17-2051	Civil Engineers	80	80	10	12.5%	1.3%	**	**	**	5
17-2071	Electrical Engineers	40	30	0	0.0%	0.0%	0	**	**	5
17-2072	Electronics Engineers, Except Computer	20	20	0	0.0%	0.0%	0	0	0	5
17-3000	Drafters, Engineering, and Mapping Technicians	200	190	-10	-5.0%	-0.5%	0	**	**	
17-3011	Architectural and Civil Drafters	20	20	0	0.0%	0.0%	0	0	0	7
17-3023	Electrical and Electronic Engineering Technician	60	60	0	0.0%	0.0%	0	**	**	6
17-3031	Surveying and Mapping Technicians	60	60	0	0.0%	0.0%	0	**	**	10

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Long-term Occupational Projections, Maui County, 2008-2018

SOC		Employment		Growth		Avg. Ann.	Average Annual Openings			Trng.
Code	Occupation Title	2008	2018	Net	Percent	Growth	Growth	Replacement	Total	Code*
17-0000	Architecture and Engineering Occupations	500	500	0	0.0%	0.0%	**	10	10	
17-1000	Architects, Surveyors, and Cartographers	90	90	0	0.0%	0.0%	0	**	**	
17-1011	Architects, Except Landscape and Naval	50	50	0	0.0%	0.0%	0	**	**	5
17-2000	Engineers	240	260	20	8.3%	0.8%	**	10	10	
17-2051	Civil Engineers	120	130	10	8.3%	0.8%	**	**	**	5
17-2071	Electrical Engineers	30	30	0	0.0%	0.0%	0	**	**	5
17-2199	Engineers, All Other	40	40	0	0.0%	0.0%	0	**	**	5
17-3000	Drafters, Engineering, and Mapping Technicians	170	160	-10	-5.9%	-0.6%	0	**	**	
17-3011	Architectural and Civil Drafters	80	70	-10	-12.5%	-1.3%	0	**	**	7

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Long-term Occupational Projections, Maui County, 2008-2018

SOC		Employment		Growth		Avg. Ann.	Average Annual Openings			Trng.
Code	Occupation Title	2008	2018	Net	Percent	Growth	Growth	Replacement	Total	Code*
17-0000	Architecture and Engineering Occupat	260	260	0	0.0%	0.0%	**	10	10	
17-2000	Engineers	160	170	10	6.3%	0.6%	**	**	**	
17-2051	Civil Engineers	50	60	10	20.0%	2.0%	0	**	**	5
17-2071	Electrical Engineers	40	40	0	0.0%	0.0%	0	**	**	5
17-2072	Electronics Engineers, Except Comp	30	30	0	0.0%	0.0%	0	**	**	5
17-3000	Drafters, Engineering, and Mapping	90	80	-10	-11.1%	-1.1%	0	**	**	
17-3011	Architectural and Civil Drafters	20	20	0	0.0%	0.0%	0	0	0	7

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