

Table 16. Mean annual wages of employed engineers, by broad industry group of employment and detailed occupation: 2001

Broad industry group of employment	SIC	Mean annual wages (dollars)								
		Engineers								
		Total	Aero-nautical	Civil	Computer	Electrical/electronics	Industrial	Mechanical	Sales	Other
Total.....		65,654	71,380	61,000	74,310	69,115	61,940	63,530	64,490	66,330
Agriculture, forestry, and fishing										
Agricultural services	07	56,917	<	53,750	<	<	<	55,420	<	64,080
Mining										
Metal mining	10	64,207	<	<	<	<	<	60,820	<	64,559
Coal mining	12	62,674	<	<	<	76,500	57,860	<	<	62,477
Oil and gas extraction	13	82,287	<	87,510	<	73,663	77,100	70,460	71,820	85,183
Nonmetallic minerals, except fuels	14	60,501	<	60,820	<	<	54,170	<	<	60,401
Construction										
General building contractors	15	59,722	<	58,150	<	75,600	54,540	71,800	59,810	59,225
Heavy construction, excluding building	16	67,402	<	66,750	<	73,582	70,190	77,000	61,330	61,525
Special trade contractors	17	60,899	<	57,820	38,680	62,705	68,940	64,370	61,920	50,463
Total manufacturing										
Food and kindred products	20	61,383	<	<	<	63,970	62,440	59,800	72,060	58,985
Tobacco products	21	<	<	<	<	<	<	<	<	<
Textile mill products	22	56,321	<	<	<	<	54,650	56,830	72,710	56,773
Apparel and other textile products	23	53,904	<	<	<	<	51,610	59,460	56,080	<
Lumber and wood products	24	53,565	<	46,420	<	<	54,870	52,460	54,100	50,515
Furniture and fixtures	25	55,676	<	<	<	<	56,340	55,420	52,270	49,753
Paper and allied products	26	66,856	<	70,580	<	67,070	69,110	64,800	67,130	64,633
Printing and publishing	27	58,597	<	<	63,270	62,300	59,080	56,670	<	56,448
Chemicals and allied products	28	67,521	<	70,620	72,740	69,084	66,380	64,290	66,190	68,298
Petroleum and coal products	29	72,653	<	68,250	<	71,972	68,150	70,890	61,450	75,972
Rubber and misc. plastics products	30	57,761	<	59,710	<	60,500	55,430	58,560	62,470	58,732
Leather and leather products	31	53,490	<	<	<	<	53,490	<	<	<
Stone, clay and glass products	32	58,821	<	56,190	<	62,444	54,410	60,040	59,680	61,727
Primary metal industries	33	59,869	<	58,590	65,070	65,088	58,180	60,770	59,280	59,177
Fabricated metal products	34	58,021	60,830	55,650	68,790	64,667	56,520	57,750	58,960	58,137
Industrial machinery and equipment	35	63,667	59,480	63,650	82,840	68,379	60,270	57,570	63,440	61,284
Electronic & other electric equipment	36	68,306	70,450	68,520	78,450	68,640	63,350	64,120	68,810	63,468
Transportation equipment	37	66,596	70,310	60,300	79,980	68,854	63,070	62,820	62,440	62,456
Instruments and related products	38	68,236	75,230	67,590	73,400	70,073	63,780	65,150	64,630	69,823
Miscellaneous manufacturing industries	39	58,334	<	58,020	65,300	59,535	56,390	58,730	60,590	57,423
Transportation, communications, and utilities										
Railroad transportation	40	61,960	<	66,020	<	66,160	<	<	<	61,461
Local and interurban transit	41	65,270	<	65,270	<	<	<	<	<	<
Trucking and warehousing	42	52,589	<	<	<	<	57,660	<	55,060	46,240
Water transportation	44	66,815	<	<	<	<	<	<	<	66,815
Transportation by air	45	57,223	57,060	58,610	<	65,130	56,330	62,720	81,490	48,006
Pipelines, except natural gas	46	73,445	<	83,670	<	57,720	72,840	68,780	<	74,237
Transportation services	47	59,548	<	<	69,410	<	46,560	64,380	<	50,866
Communications	48	63,096	<	59,560	63,950	63,148	60,310	64,350	63,990	52,539
Utilities and sanitary services	49	71,309	<	67,690	70,920	68,901	74,270	73,640	61,550	73,425

See explanatory information and SOURCE at end of table.

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		Engineers								
		Total	Aero-nautical	Civil	Computer	Electrical/electronics	Industrial	Mechanical	Sales	Other
Wholesale trade										
Wholesale trade, durable goods	50	65,343	71,720	58,800	69,473	73,210	59,350	63,450	63,570	61,328
Wholesale trade, nondurable goods	51	61,528	<	<	62,444	75,710	63,530	60,270	54,000	68,855
Retail trade										
Building materials and garden supplies	52	58,020	<	<	<	<	<	58,020	<	<
General merchandise stores	53	58,076	<	34,920	<	<	<	62,900	<	<
Food stores	54	48,480	<	<	<	<	<	48,480	<	<
Automotive dealers and service stations	55	45,250	<	<	<	<	<	<	45,250	<
Furniture and homefurnishings stores	57	57,823	<	<	61,460	<	62,920	<	56,770	<
Misc. retail stores	59	57,698	<	<	57,043	<	62,740	62,600	52,340	<
Finance, insurance, and real estate										
Depository institutions	60	61,695	<	<	67,030	72,110	<	<	47,560	<
Nondepository institutions	61	80,050	<	<	<	80,050	<	<	<	<
Security and commodity brokers	62	74,368	<	<	76,000	<	<	<	<	<
Insurance carriers	63	62,007	<	<	<	62,700	69,570	69,660	<	60,570
Insurance agents, brokers, and service	64	59,870	<	<	<	<	<	<	<	59,870
Real estate	65	55,741	<	58,300	<	<	53,620	<	48,680	<
Holding and other investment offices	67	64,672	<	51,410	77,290	68,900	80,270	56,450	69,340	51,017
Services										
Hotels and other lodging places	70	47,340	<	53,180	<	<	52,550	<	39,430	31,200
Personal services	72	67,265	<	<	<	<	<	66,410	<	<
Business services	73	71,622	88,980	68,940	75,085	72,880	75,430	60,340	72,050	67,824
Auto repair, services, and parking	75	48,751	<	<	60,080	<	57,680	<	45,140	<
Misc. repair services	76	58,270	<	<	58,992	65,260	55,980	64,690	45,930	70,680
Motion pictures	78	65,365	<	<	78,128	71,470	<	61,740	53,690	<
Amusement and recreation services	79	71,926	<	<	<	<	86,110	<	<	40,680
Health services	80	50,879	<	53,900	56,190	<	56,340	56,550	57,670	49,740
Educational services	82	50,653	<	51,070	56,074	<	44,030	54,520	44,000	51,931
Social services	83	<	<	<	<	<	<	<	<	<
Museums, botanical, zoological gardens	84	47,350	<	<	<	<	<	<	<	47,350
Membership organizations	86	63,106	<	60,720	70,950	<	65,350	49,930	<	<
Engineering and management services	87	65,945	76,190	61,390	71,028	67,240	67,080	64,770	69,490	67,905
Services, n.e.c.	89	61,153	<	61,930	<	<	71,780	<	40,400	63,667

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		Total	Aero-nautical	Civil	Computer	Electrical/electronics	Industrial	Mechanical	Sales	Other
Public administration Federal, state, and local government	90	64,277	77,140	59,330	71,800	71,460	66,950	61,570	<	63,425

KEY: < = Too few cases to estimate.
n.e.c. = Not elsewhere classified.
SIC = Standard Industrial Classification. See Technical Notes for explanation.

NOTE: Mean annual wages have been calculated by multiplying mean hourly wages by a "full-time" figure of 2,080 hours. Since the annual figures are calculated directly from the hourly figures, the relative standard error has not been calculated separately for the mean annual wages entries. See Technical Notes for more detail.
Includes wage information for industry/occupation groups for which employment estimates are unavailable.

SOURCE: National Science Foundation/Division of Science Resources Statistics, using data from U.S. Department of Labor/Bureau of Labor Statistics, Occupational Employment Statistics Survey.