

**LONG-TERM INDIANA OCCUPATIONAL PROJECTIONS**  
**BASE PERIOD: 2004**  
**PROJECTED PERIOD: 2014**  
**AREA: Indiana**

***Special Report: High Wage/High Demand Occupations***  
***Occupations with growth of at least 100 and Wages greater than Statewide Median***  
**All employment rounded to nearest 10. Occupations with less than 20 excluded.**

Code	Occupational Title	2004 Employment	2014 Projection	Total Growth	Percent Change	Replacements <sup>1</sup>	Total Openings	2005 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>3,056,560</b>	<b>3,359,170</b>	<b>302,600</b>	<b>10%</b>	<b>742,160</b>	<b>1,082,830</b>	<b>\$27,742</b>	<b>NA</b>
11-2011	Advertising and Promotions Managers	730	820	100	13%	130	230	\$55,665	Bachelor's or higher degree, plus work experience
11-2021	Marketing Managers	2,370	2,800	430	18%	440	870	\$69,111	Bachelor's or higher degree, plus work experience
11-2022	Sales Managers	5,790	6,670	890	15%	1,070	1,960	\$81,856	Bachelor's or higher degree, plus work experience
11-2031	Public Relations Managers	760	890	130	17%	130	260	\$58,727	Bachelor's or higher degree, plus work experience
11-3011	Administrative Services Managers	3,300	3,770	470	14%	640	1,110	\$55,494	Bachelor's or higher degree, plus work experience
11-3021	Computer and Information Systems Managers	4,560	5,730	1,170	26%	830	2,000	\$73,068	Bachelor's or higher degree, plus work experience
11-3031	Financial Managers	7,240	8,120	880	12%	1,040	1,920	\$78,226	Bachelor's or higher degree, plus work experience
11-3040	Human Resources Managers	2,810	3,070	270	10%	470	740	\$59,344	Bachelor's or higher degree, plus work experience
11-3051	Industrial Production Managers	5,180	5,360	180	4%	1,000	1,180	\$67,588	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	1,900	2,180	290	15%	370	660	\$67,494	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	2,060	2,360	310	15%	350	660	\$43,468	Bachelor's or higher degree, plus work experience
11-9021	Construction Managers	7,660	9,040	1,380	18%	1,390	2,770	\$68,532	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	860	1,030	180	21%	210	390	\$31,898	Bachelor's or higher degree, plus work experience
11-9032	Education Administrators, Elementary and Secondary School	3,680	4,100	420	11%	910	1,340	\$73,666	Bachelor's or higher degree, plus work experience
11-9033	Education Administrators, Postsecondary	1,530	1,820	300	19%	380	680	\$54,884	Bachelor's or higher degree, plus work experience
11-9041	Engineering Managers	3,490	3,970	470	14%	700	1,170	\$83,710	Bachelor's or higher degree, plus work experience
11-9051	Food Service Managers	7,930	8,660	740	9%	1,290	2,030	\$36,041	Work experience in a related occupation
11-9081	Lodging Managers	960	1,180	220	23%	160	380	\$37,311	Work experience in a related occupation
11-9111	Medical and Health Services Managers	6,270	7,840	1,580	25%	1,220	2,800	\$62,163	Bachelor's or higher degree, plus work experience
11-9141	Property, Real Estate, and Community Association Managers	5,330	6,780	1,450	27%	1,000	2,450	\$43,786	Bachelor's degree
11-9151	Social and Community Service Managers	2,110	2,610	500	24%	400	900	\$40,944	Bachelor's degree
11-1011	Chief Executives	8,460	9,350	890	11%	1,600	2,490	\$133,233	Bachelor's or higher degree, plus work experience
11-1021	General and Operations Managers	31,660	35,790	4,130	13%	5,970	10,100	\$77,402	Bachelor's or higher degree, plus work experience
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	350	450	100	29%	70	170	\$33,742	Bachelor's or higher degree, plus work experience
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	5,750	6,230	480	8%	1,430	1,910	\$43,030	Bachelor's degree
13-1031	Claims Adjusters, Examiners, and Investigators	4,610	5,090	470	10%	570	1,040	\$44,634	Long-term on-the-job training
13-1032	Insurance Appraisers, Auto Damage	660	780	120	18%	80	200	\$44,488	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	2,000	2,230	230	11%	470	700	\$40,569	Long-term on-the-job training
13-1051	Cost Estimators	4,900	5,810	910	18%	1,100	2,010	\$50,799	Bachelor's degree
13-1071	Employment, Recruitment, and Placement Specialists	3,420	4,470	1,050	31%	520	1,570	\$35,994	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	1,800	1,930	130	7%	280	410	\$46,485	Bachelor's degree
13-1073	Training and Development Specialists	3,510	4,120	610	17%	540	1,140	\$37,961	Bachelor's degree
13-1111	Management Analysts	6,720	8,460	1,750	26%	920	2,670	\$56,394	Bachelor's or higher degree, plus work experience
13-2011	Accountants and Auditors	20,340	23,240	2,900	14%	3,840	6,740	\$48,109	Bachelor's degree
13-2051	Financial Analysts	2,270	2,600	330	14%	340	660	\$51,713	Bachelor's degree
13-2052	Personal Financial Advisors	1,840	2,230	390	21%	240	630	\$55,707	Bachelor's degree
13-2072	Loan Officers	6,200	6,410	210	3%	1,000	1,210	\$43,473	Bachelor's degree
15-1031	Computer Software Engineers, Applications	3,920	5,670	1,750	45%	390	2,140	\$65,549	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	2,620	3,800	1,180	45%	260	1,440	\$64,356	Bachelor's degree

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		Employment	Projection	Growth	Change		Openings	Annual Wage <sup>2</sup>	
15-1041	Computer Support Specialists	7,800	9,180	1,380	18%	960	2,340	\$34,267	Associate degree
15-1051	Computer Systems Analysts	7,410	9,660	2,250	30%	840	3,080	\$59,976	Bachelor's degree
15-1061	Database Administrators	1,600	2,200	600	37%	170	760	\$50,345	Bachelor's degree
15-1071	Network and Computer Systems Administrators	4,400	5,890	1,490	34%	490	1,980	\$50,170	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	1,980	3,070	1,090	55%	230	1,320	\$56,212	Bachelor's degree
15-2011	Actuaries	390	520	130	33%	170	290	\$73,475	Bachelor's or higher degree, plus work experience
17-1011	Architects, Except Landscape and Naval	1,630	1,970	340	21%	190	530	\$52,760	Bachelor's degree
17-1022	Surveyors	1,010	1,170	160	16%	340	510	\$38,847	Bachelor's degree
17-2031	Biomedical Engineers	390	560	170	44%	70	240	\$67,605	Bachelor's degree
17-2051	Civil Engineers	3,080	3,590	500	16%	490	990	\$57,152	Bachelor's degree
17-2071	Electrical Engineers	3,860	4,340	480	12%	760	1,240	\$63,678	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	2,330	2,580	260	11%	460	720	\$72,954	Bachelor's degree
17-2081	Environmental Engineers	830	1,010	180	22%	140	320	\$61,431	Bachelor's degree
17-2112	Industrial Engineers	5,980	7,050	1,070	18%	1,450	2,520	\$61,530	Bachelor's degree
17-2141	Mechanical Engineers	6,820	7,430	620	9%	1,860	2,480	\$63,443	Bachelor's degree
17-3011	Architectural and Civil Drafters	1,970	2,070	100	5%	550	650	\$38,040	Postsecondary vocational training
17-3013	Mechanical Drafters	2,220	2,360	140	6%	630	760	\$40,977	Postsecondary vocational training
17-3022	Civil Engineering Technicians	1,080	1,250	180	16%	230	400	\$33,043	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	3,630	4,060	430	12%	760	1,190	\$47,942	Associate degree
17-3026	Industrial Engineering Technicians	2,210	2,390	180	8%	460	640	\$42,777	Associate degree
17-3027	Mechanical Engineering Technicians	1,480	1,620	130	9%	310	440	\$48,019	Associate degree
17-3031	Surveying and Mapping Technicians	2,360	2,490	140	6%	860	990	\$31,797	Moderate-term on-the-job training
19-1022	Microbiologists	860	980	120	14%	270	390	\$45,318	Doctoral degree
19-1042	Medical Scientists, Except Epidemiologists	1,050	1,380	340	32%	180	520	\$64,366 <sup>2a</sup>	Doctoral degree
19-2031	Chemists	2,080	2,190	110	5%	680	790	\$73,048	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	970	1,130	160	17%	170	330	\$38,720	Bachelor's degree
19-3021	Market Research Analysts	2,450	2,860	410	17%	640	1,040	\$44,463	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	1,570	1,990	420	26%	340	760	\$52,634	Master's degree
19-4021	Biological Technicians	1,680	1,910	230	14%	280	520	\$37,060	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	670	790	120	18%	160	280	\$33,382	Associate degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	990	1,240	250	26%	230	480	\$32,435	Master's degree
21-1012	Educational, Vocational, and School Counselors	3,780	4,450	670	18%	860	1,530	\$42,025	Master's degree
21-1013	Marriage and Family Therapists	340	440	100	29%	80	180	\$35,131	Master's degree
21-1014	Mental Health Counselors	1,550	1,870	310	20%	360	670	\$31,843	Master's degree
21-1021	Child, Family, and School Social Workers	6,430	7,440	1,010	16%	1,100	2,110	\$30,711	Bachelor's degree
21-1022	Medical and Public Health Social Workers	2,000	2,610	620	31%	340	960	\$38,396	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	1,480	1,930	460	31%	250	710	\$33,143	Master's degree
21-1091	Health Educators	980	1,180	190	20%	170	370	\$34,595	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	1,820	1,970	160	9%	320	480	\$30,049	Bachelor's degree
21-2011	Clergy	570	730	160	27%	120	280	\$37,117	Master's degree
23-1011	Lawyers	7,800	9,050	1,260	16%	1,000	2,260	\$64,571	First professional degree
23-2011	Paralegals and Legal Assistants	2,940	3,870	930	32%	240	1,170	\$35,160	Associate degree
23-2093	Title Examiners, Abstractors, and Searchers	1,490	1,590	110	7%	160	270	\$30,378	Moderate-term on-the-job training
25-1011	Business Teachers, Postsecondary	1,740	2,260	520	30%	390	920	\$51,421	Doctoral degree
25-1021	Computer Science Teachers, Postsecondary	740	960	220	30%	170	390	\$45,917	Doctoral degree
25-1022	Mathematical Science Teachers, Postsecondary	970	1,270	300	30%	220	520	\$50,443	Doctoral degree
25-1032	Engineering Teachers, Postsecondary	800	1,050	250	30%	180	430	\$94,378	Doctoral degree
25-1042	Biological Science Teachers, Postsecondary	580	750	180	31%	130	310	\$54,798	Doctoral degree
25-1052	Chemistry Teachers, Postsecondary	410	530	120	30%	90	220	\$57,340	Doctoral degree
25-1066	Psychology Teachers, Postsecondary	500	660	150	31%	110	270	\$52,664	Doctoral degree
25-1067	Sociology Teachers, Postsecondary	320	410	100	31%	70	170	\$52,179	Doctoral degree
25-1071	Health Specialties Teachers, Postsecondary	2,150	2,800	650	30%	490	1,140	\$61,569	Doctoral degree
25-1072	Nursing Instructors and Teachers, Postsecondary	1,000	1,290	300	30%	230	520	\$48,413	Master's degree

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25-1081	Education Teachers, Postsecondary	1,390	1,800	420	30%	310	730	\$44,886	Doctoral degree
25-1121	Art, Drama, and Music Teachers, Postsecondary	1,360	1,770	410	30%	310	720	\$44,947	Doctoral degree
25-1122	Communications Teachers, Postsecondary	520	680	160	31%	120	280	\$51,089	Doctoral degree
25-1123	English Language and Literature Teachers, Postsecondary	1,070	1,400	330	31%	240	570	\$48,447	Doctoral degree
25-1124	Foreign Language and Literature Teachers, Postsecondary	600	780	180	30%	140	320	\$45,893	Doctoral degree
25-1125	History Teachers, Postsecondary	400	520	120	30%	90	210	\$55,231	Doctoral degree
25-1126	Philosophy and Religion Teachers, Postsecondary	490	640	150	30%	110	260	\$51,432	Doctoral degree
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	490	630	140	29%	110	250	\$33,396	Master's degree
25-1194	Vocational Education Teachers, Postsecondary	1,180	1,500	320	27%	270	590	\$35,717	Work experience in a related occupation
25-2012	Kindergarten Teachers, Except Special Education	2,560	3,040	480	19%	310	780	\$43,935	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	26,630	30,830	4,200	16%	5,880	10,080	\$44,914	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	10,240	11,370	1,130	11%	2,260	3,390	\$45,438	Bachelor's degree
25-2031	Secondary School Teachers, Except Special and Vocational Education	19,170	21,690	2,530	13%	5,390	7,920	\$45,705	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	1,680	1,890	210	12%	470	680	\$50,182	Bachelor's degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	2,850	3,580	740	26%	680	1,420	\$41,636	Bachelor's degree
25-2042	Special Education Teachers, Middle School	1,260	1,550	280	22%	300	580	\$44,683	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	1,700	2,020	310	18%	410	720	\$45,291	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	1,350	1,640	290	22%	170	460	\$34,274	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	2,290	2,620	330	14%	280	610	\$28,210	Work experience in a related occupation
25-9031	Instructional Coordinators	1,070	1,360	290	28%	160	460	\$44,460	Master's degree
27-1011	Art Directors	1,000	1,160	160	16%	220	380	\$48,903	Bachelor's or higher degree, plus work experience
27-1014	Multi-Media Artists and Animators	630	770	140	22%	140	270	\$49,645	Bachelor's degree
27-1021	Commercial and Industrial Designers	1,030	1,140	110	11%	140	250	\$47,248	Bachelor's degree
27-1024	Graphic Designers	4,140	4,660	520	13%	550	1,080	\$33,340	Bachelor's degree
27-1025	Interior Designers	1,370	1,610	230	17%	180	420	\$32,281	Bachelor's degree
27-2012	Producers and Directors	840	980	140	17%	130	270	\$42,343	Bachelor's or higher degree, plus work experience
27-2042	Musicians and Singers	960	1,240	280	30%	200	490	NA	Long-term on-the-job training
27-3031	Public Relations Specialists	3,570	4,210	640	18%	510	1,160	\$37,116	Bachelor's degree
27-3041	Editors	1,730	1,860	130	8%	420	550	\$41,469	Bachelor's degree
27-3042	Technical Writers	770	880	110	15%	220	330	\$51,510	Bachelor's degree
27-3043	Writers and Authors	1,110	1,290	180	16%	190	370	\$39,951	Bachelor's degree
27-4011	Audio and Video Equipment Technicians	810	930	120	15%	200	320	\$32,823	Long-term on-the-job training
27-4021	Photographers	2,380	2,760	380	16%	490	870	\$29,648	Long-term on-the-job training
29-1011	Chiropractors	1,110	1,360	250	23%	210	460	\$67,179	First professional degree
29-1020	Dentists	3,570	4,540	970	27%	600	1,570	\$135,686	First professional degree
29-1031	Dietitians and Nutritionists	1,600	1,910	320	20%	420	730	\$41,536	Bachelor's degree
29-1041	Optometrists	1,100	1,240	140	13%	310	450	\$76,453	First professional degree
29-1051	Pharmacists	5,650	6,510	860	15%	1,100	1,960	\$86,360	First professional degree
29-1062	Family and General Practitioners	3,080	3,670	590	19%	410	1,000	\$140,881	First professional degree
29-1063	Internists, General	1,160	1,440	270	24%	160	430	\$150,770 <b>2c</b>	First professional degree
29-1064	Obstetricians and Gynecologists	510	620	110	22%	70	180	\$171,800 <b>2c</b>	First professional degree
29-1065	Pediatricians, General	670	830	160	24%	90	250	\$112,511	First professional degree
29-1067	Surgeons	2,450	3,000	540	22%	330	870	\$191,580 <b>2c</b>	First professional degree
29-1071	Physician Assistants	690	990	300	43%	110	400	\$66,111	Bachelor's degree
29-1111	Registered Nurses	51,900	67,300	15,400	30%	10,860	26,260	\$49,067	Associate degree
29-1122	Occupational Therapists	2,050	2,720	670	33%	280	950	\$56,080	Bachelor's degree
29-1123	Physical Therapists	3,440	4,390	960	28%	340	1,290	\$61,339	Master's degree
29-1126	Respiratory Therapists	3,290	4,030	740	22%	1,080	1,820	\$42,850	Associate degree
29-1127	Speech-Language Pathologists	1,890	2,110	230	12%	470	700	\$52,839	Master's degree
29-1131	Veterinarians	1,390	1,680	290	21%	340	630	\$71,348	First professional degree
29-2011	Medical and Clinical Laboratory Technologists	3,440	4,320	880	26%	930	1,810	\$45,355	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	3,740	4,670	930	25%	1,010	1,940	\$31,311	Associate degree
29-2021	Dental Hygienists	4,030	5,690	1,660	41%	340	2,000	\$59,055	Associate degree

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29-2031	Cardiovascular Technologists and Technicians	740	920	170	23%	140	310	\$33,958	Associate degree
29-2032	Diagnostic Medical Sonographers	800	1,040	240	30%	150	390	\$51,073	Associate degree
29-2034	Radiologic Technologists and Technicians	4,280	5,370	1,090	26%	800	1,890	\$43,197	Associate degree
29-2055	Surgical Technologists	2,230	2,940	710	32%	290	1,000	\$35,483	Postsecondary vocational training
29-2061	Licensed Practical and Licensed Vocational Nurses	18,820	21,760	2,940	16%	4,100	7,050	\$33,913	Postsecondary vocational training
29-9091	Athletic Trainers	410	530	120	30%	90	210	\$33,352	Bachelor's degree
31-2011	Occupational Therapist Assistants	400	520	120	29%	50	170	\$40,294	Associate degree
31-2021	Physical Therapist Assistants	1,480	1,980	500	34%	250	750	\$42,452	Associate degree
31-9091	Dental Assistants	4,880	6,860	1,980	41%	1,370	3,350	\$29,354	Moderate-term on-the-job training
33-1012	First-Line Supervisors/Managers of Police and Detectives	1,940	2,170	230	12%	640	870	\$52,597	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	900	1,050	150	17%	370	520	\$53,351	Work experience in a related occupation
33-2011	Fire Fighters	6,780	8,140	1,360	20%	1,970	3,330	\$37,175	Long-term on-the-job training
33-3021	Detectives and Criminal Investigators	1,150	1,290	130	11%	310	440	\$41,836	Work experience in a related occupation
33-3051	Police and Sheriff's Patrol Officers	11,040	12,210	1,170	11%	2,860	4,030	\$40,917	Long-term on-the-job training
33-9021	Private Detectives and Investigators	530	630	100	20%	110	210	\$28,321	Work experience in a related occupation
35-1011	Chefs and Head Cooks	2,320	2,620	310	13%	690	990	\$27,758	Postsecondary vocational training
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	4,900	5,880	980	20%	1,160	2,140	\$29,321	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	3,490	4,190	690	20%	320	1,020	\$34,556	Work experience in a related occupation
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1,760	2,060	300	17%	380	680	\$28,263	Moderate-term on-the-job training
39-1011	Gaming Supervisors	1,110	1,550	440	40%	230	670	\$41,975	Postsecondary vocational training
39-1021	First-Line Supervisors/Managers of Personal Service Workers	5,100	5,280	180	4%	1,280	1,460	\$27,893	Work experience in a related occupation
39-5094	Skin Care Specialists	610	770	160	26%	120	280	\$34,283	Postsecondary vocational training
41-3011	Advertising Sales Agents	2,820	3,050	240	8%	550	780	\$40,156	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	8,430	8,730	300	4%	2,020	2,320	\$43,225	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	3,020	3,370	350	12%	340	700	\$52,657	Bachelor's degree
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	8,620	9,750	1,130	13%	2,260	3,400	\$59,710	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	30,450	33,430	2,980	10%	7,990	10,980	\$46,884	Moderate-term on-the-job training
41-9022	Real Estate Sales Agents	7,100	7,950	840	12%	1,410	2,250	\$29,338	Postsecondary vocational training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	25,090	26,180	1,100	4%	5,380	6,480	\$40,098	Work experience in a related occupation
43-3051	Payroll and Timekeeping Clerks	5,120	5,780	660	13%	1,350	2,020	\$29,998	Short-term on-the-job training
43-4051	Customer Service Representatives	34,450	40,610	6,160	18%	5,120	11,280	\$27,939	Moderate-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	3,020	3,410	390	13%	650	1,040	\$30,843	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	7,790	8,190	400	5%	1,890	2,290	\$37,020	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	25,360	27,720	2,370	9%	4,860	7,220	\$31,629	Moderate-term on-the-job training
43-6012	Legal Secretaries	4,330	5,140	820	19%	830	1,640	\$29,941	Postsecondary vocational training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	15,520	18,180	2,660	17%	2,640	5,300	\$51,047	Work experience in a related occupation
47-2021	Brickmasons and Blockmasons	5,120	5,630	520	10%	760	1,280	\$48,122	Long-term on-the-job training
47-2022	Stonemasons	700	810	100	14%	110	210	\$31,394	Long-term on-the-job training
47-2031	Carpenters	28,440	31,110	2,670	9%	4,630	7,300	\$34,550	Long-term on-the-job training
47-2041	Carpet Installers	1,760	1,930	170	9%	280	440	\$33,206	Moderate-term on-the-job training
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	650	760	110	17%	100	210	\$32,309	Moderate-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	4,860	5,690	830	17%	980	1,810	\$33,088	Long-term on-the-job training
47-2061	Construction Laborers	20,340	21,210	870	4%	2,710	3,580	\$32,400	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1,230	1,490	260	21%	180	440	\$31,102	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	9,610	11,020	1,410	15%	2,470	3,880	\$40,363	Moderate-term on-the-job training
47-2111	Electricians	17,560	18,950	1,390	8%	3,470	4,860	\$50,810	Long-term on-the-job training
47-2121	Glaziers	790	910	110	14%	170	280	\$34,360	Long-term on-the-job training
47-2141	Painters, Construction and Maintenance	9,560	10,610	1,050	11%	1,460	2,510	\$30,245	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	12,930	14,650	1,720	13%	2,970	4,700	\$50,947	Long-term on-the-job training
47-2181	Roofers	4,770	5,690	920	19%	1,110	2,030	\$29,766	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	6,360	7,180	820	13%	1,530	2,350	\$40,354	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	1,990	2,300	310	16%	390	700	\$48,434	Long-term on-the-job training
47-4011	Construction and Building Inspectors	1,390	1,720	330	24%	310	640	\$35,140	Work experience in a related occupation

Code	Occupational Title	2004	2014	Total	Percent	Replacements <sup>1</sup>	Total	2005	Education Requirement <sup>3</sup>
		Employment	Projection	Growth	Change		Openings	Annual Wage <sup>2</sup>	
47-4041	Hazardous Materials Removal Workers	570	700	130	24%	150	280	\$33,661	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	700	820	120	17%	190	310	\$28,257	Moderate-term on-the-job training
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	13,800	15,200	1,400	10%	3,460	4,860	\$49,763	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	3,210	3,630	430	13%	390	820	\$35,635	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	1,550	1,700	150	10%	340	490	\$35,058	Postsecondary vocational training
49-3011	Aircraft Mechanics and Service Technicians	1,510	1,710	200	13%	360	550	\$51,569	Postsecondary vocational training
49-3021	Automotive Body and Related Repairers	3,990	4,280	300	7%	810	1,100	\$33,386	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	17,150	19,410	2,260	13%	4,560	6,820	\$32,526	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	7,070	8,240	1,160	16%	1,820	2,980	\$35,523	Postsecondary vocational training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	3,100	3,460	360	11%	670	1,030	\$36,934	Postsecondary vocational training
49-3092	Recreational Vehicle Service Technicians	640	750	110	17%	270	380	\$31,601	Long-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	6,290	7,770	1,480	24%	840	2,320	\$35,547	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	36,640	40,380	3,740	10%	7,040	10,780	\$31,894	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	2,250	2,420	160	7%	510	670	\$40,021	Long-term on-the-job training
49-9044	Millwrights	2,900	3,070	160	6%	710	870	\$54,180	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	1,840	1,950	120	6%	580	700	\$49,871	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	2,130	2,340	210	10%	580	790	\$39,128	Long-term on-the-job training
49-9062	Medical Equipment Repairers	1,090	1,300	200	19%	310	510	\$37,330	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	26,820	27,910	1,090	4%	5,620	6,720	\$44,417	Work experience in a related occupation
51-2031	Engine and Other Machine Assemblers	2,440	2,650	210	9%	680	890	\$45,679	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	4,820	5,170	350	7%	1,130	1,490	\$30,450	Moderate-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	7,530	7,860	330	4%	1,240	1,570	\$31,523	Long-term on-the-job training
51-4041	Machinists	15,200	15,940	750	5%	3,540	4,290	\$34,899	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	14,190	15,240	1,050	7%	4,010	5,060	\$31,656	Postsecondary vocational training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	2,500	2,810	310	12%	860	1,170	\$32,407	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	3,140	3,600	450	14%	1,000	1,460	\$32,355	Moderate-term on-the-job training
51-9081	Dental Laboratory Technicians	1,400	1,690	290	21%	310	600	\$28,400	Long-term on-the-job training
51-9122	Painters, Transportation Equipment	2,520	2,830	310	12%	660	970	\$30,588	Moderate-term on-the-job training
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	5,210	5,510	310	6%	1,230	1,530	\$40,297	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	6,690	7,580	880	13%	1,570	2,460	\$46,014	Work experience in a related occupation
53-2011	Airline Pilots, Copilots, and Flight Engineers	730	870	140	20%	190	340	\$76,491	Bachelor's degree
53-2012	Commercial Pilots	560	660	100	17%	150	250	\$50,522	Postsecondary vocational training
53-2021	Air Traffic Controllers	700	800	100	14%	180	280	\$114,258	Long-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	58,660	65,540	6,870	12%	9,580	16,450	\$36,406	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	1,180	1,280	110	9%	320	430	\$34,833	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	22,220	23,530	1,310	6%	4,210	5,510	\$28,254	Short-term on-the-job training

1) Replacements are "Net replacement" openings. Net replacement openings estimate the difference between the movement of experienced workers who change jobs to enter other occupations, retire, or leave the workforce for other reasons and the movement of experienced workers filling the openings. The openings that remain unfilled by experienced workers are net replacement openings, available to new workforce entrants. In most occupations, net replacement openings significantly understate the total number of job openings because net replacement openings measure the difference between the number of workers in the workforce who leave an occupation and the number who enter the occupation.

2) 2005 Annual Wage is the state median wage for the occupation from the Occupational Employment Statistics program, conducted by the Indiana Workforce Development Agency for the national Bureau of Labor Statistics.  
2a 2004 State Median Wage  
2b 2005 National Median Wage

3) Occupations are classified into 1 of 11 categories by the Bureau of Labor Statistics based on analyses of the occupation's usual education and training requirements. The 11 classifications are as follows:

First professional degree. Completion of the academic program usually requires at least 6 years of full-time equivalent academic study, including

Code	Occupational Title	2004 Employment	2014 Projection	Total Growth	Percent Change	Replacements <sup>1</sup>	Total Openings	2005 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>
	college study prior to entering the professional degree program.								
	Doctoral degree. Completion of the degree program usually requires at least 3 years of full-time equivalent academic work beyond the bachelor's degree.								
	Master's degree. Completion of the degree program usually requires 1 or 2 years of full-time equivalent study beyond the bachelor's degree.								
	Work experience, plus a bachelor's or higher degree. Most occupations in this category are managerial occupations that require experience in a related nonmanagerial position.								
	Bachelor's degree. Completion of the degree program generally requires at least 4 years but not more than 5 years of full-time equivalent academic work.								
	Associate degree. Completion of the degree program usually requires at least 2 years of full-time equivalent academic study.								
	Postsecondary vocational training. Some programs last only a few weeks while others may last more than a year. In some occupations, a license is needed that requires passing an examination after completion of the training.								
	Work experience in a related occupation. Some occupations requiring work experience are supervisory or managerial occupations.								
	Long-term on-the-job training. This category includes occupations that generally require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance. This category includes formal and informal apprenticeships that may last up to 4 years and short-term intensive employer-sponsored training that workers must successfully complete. Individuals undergoing training are generally considered to be employed in the occupation. This category includes occupations in which workers may gain experience in non-work activities, such as professional athletes who gain experience through participation in athletic programs in academic institutions.								
	Moderate-term on-the-job training. This category includes occupations in which workers can develop the skills needed for average job performance after 1 to 12 months of combined on-the-job experience and informal training.								
	Short-term on-the-job training. This category covers occupations in which workers can develop the skills needed for average job performance after a short demonstration or up to one month of on-the-job experience or instruction.								