NOVEMBER 2012

INDIANA'S HOT 50 JOBS OF THE FUTURE

Whether you are here as a first time job aspirant, or are a seasoned veteran looking for a career change, you are to be commended for taking this vital step and doing so here in Indiana.

Take a moment to explore the profiles of each position in this booklet and online at **www.hoosierhot50.com.** Inside each job listing you'll meet a Hoosier who will give you an inside look at the position, along with salary information and education/training requirements.

Economic recovery in Indiana depends on the determination and hard work of free men and women like you pursuing their dreams in the marketplace. By listing the top 50 job sectors in Indiana, we are hoping to help you find a rewarding career with the best opportunity for growth in our state.

Thank you for your commitment to make a difference in the lives of future generations of Hoosiers.

HOT 50

EXPLORE YOUR POSSIBILITIES »

Hoosier Hot 50 Jobs is a listing of the 50 fastest growing, high-wage jobs of tomorrow. The list will show you what jobs will be in demand by 2020 in the state of Indiana.

Take the opportunity to get the inside scoop on each of the Hot 50 Jobs in Indiana from Hoosiers in today's workforce.

Keep reading to find the job that's right for you!

HoosierHot50.com

CAREER CLUSTERS

Hoosier Hot 50 Jobs are broken down into 12 Career Clusters. These clusters illustrate the specific skills needed for success in the workforce and are represented by their corresponding icons shown below. For more information on Career Clusters please visit www.careerclusters.org

Architecture & Construction

Careers in designing, planning, managing, building and maintaining the built environment.

Arts, A/V Technology & Communications

Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.

Business, Management & Administration

Business management and administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business management and administration career opportunities are available in every sector of the economy.

Education & Training

Planning, managing and providing education and training services, and related learning support services.

Finance

Planning, services for financial and investment planning, banking, insurance and business financial management.

Health Science
Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services and biotechnology research and development.

Human Services
Preparing individuals for employment in career pathways that relate to families and human needs.

Information Technology
Building linkages in IT occupations framework: For entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Manufacturing
Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Marketing, Sales & Service
Planning, managing and performing marketing activities to reach organizational objectives.

Science, Technology, Engineering & Mathematics
Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

Transportation, Distribution & Logistics
Planning, management and movement of people, materials and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

RANK	HOT JOB	SALARY	EDUCATION	HOT NOW
1	**Physician and Surgeon**	**$ 160,451**	**F**	
2	**Registered Nurse**	**$ 57,034**	**A**	
3	**Physical Therapist**	**$ 76,627**	**D**	
4	**Dental Hygienist**	**$ 65,707**	**A**	
5	Computer Software Engineer	$ 72,197	B	
6	Postsecondary Teacher	$ 60,237	B/M	
7	Plumber	$ 50,856	LT	
8	**Pharmacist**	**$ 110,053**	**D**	
9	**Operating Engineer**	**$ 49,920**	**MT**	
10	**Medical Services Manager**	**$ 75,691**	**B**	
11	Cost Estimator	$ 56,555	B	
12	Construction Supervisor	$ 59,301	W	
13	**Social Worker**	**$ 52,478**	**B/M**	
14	Marketing Specialist	$ 49,026	B	
15	Graphic Designer	$ 36,005	B	
16	Management Analyst	$ 68,307	BW	
17	**Truck Driver**	**$ 38,730**	**ST/W**	
18	K-12 Teacher	$ 47,611	B/M	
19	**Sales Representative, Wholesale and Manufacturing**	**$ 53,664**	**MT**	
20	Occupational Therapist	$ 73,382	M	
21	Heating, Air Conditioning and Refrigeration Mechanic	$ 40,914	P/LT	
22	**Electrician**	**$ 54,995**	**LT**	
23	Construction Superintendent	$ 78,333	A/W	
24	**Licensed Practical Nurse**	**$ 38,189**	**P**	
25	Occupational/Physical Therapist Aide	$ 50,274	B	
26	Accountant	$ 58,365	B	
27	**Sales Representative, Services**	**$ 44,782**	**A**	

RANK	HOT JOB	SALARY	EDUCATION	HOT NOW
28	Computer Systems Analyst	$ 69,347	B	
29	Network Systems and Data Communication Administrator	$ 61,734	B	
30	Personal Financial Advisor	$ 69,014	B	
31	Dental Assistant	$ 34,362	P	
32	Veterinarian	$ 77,854	D	
33	Optometrist	$ 78,894	D	
34	**Counselor**	**$ 37,170**	**M**	
35	Information Security Analyst and Computer Network Architect	$ 66,290	B	
36	Training and Development Specialist	$ 45,656	B	
37	Industrial Machinery Mechanic	$ 46,072	LT	
38	Radiologic Technician	$ 51,542	A	
39	**Physician Assistant**	**$ 85,634**	**M**	
40	Actuary	$ 88,920	B	
41	School Administrator	$ 64,147	B/M	
42	Database Administrator	$ 64,418	B	
43	Civil Engineer	$ 68,328	B	
44	Medical Scientist	$ 90,085	D	
45	School Psychologist	$ 56,534	D	
46	Cement Mason/Concrete Finisher	$ 36,795	MT	
47	Boilermaker	$ 65,062	LT	
48	Brickmason/Blockmason	$ 46,301	LT	
49	Biomedical Engineer	$ 58,656	B	
50	Dentist	$ 163,488	D	

= Hot Jobs that are in demand now
A = Associate's Degree
B = Bachelor's Degree
BW = Bachelor's or higher degree, plus work experience
D = Doctoral Degree
F = First Professional Degree

LT = Long-term on-the-job training
M = Master's Degree
MT = Moderate on-the-job training
P = Postsecondary vocational training
ST = Short-term on-the-job training
W = Work experience in a related occupation

2010 Employment
12,748

2020 Projection
16,172

Annual Growth
3,424

Annual Change
2.7%

Annual Openings
343

#1 PHYSICIAN AND SURGEON

Average Salary: $160,451

Necessary Education: First Professional Degree

Related Occupations: 1) Physician Assistant 2) Podiatrist

» MEET RONALD

Pediatric Neurosurgeon

Education: Bachelor's Degree and Medical Degree from the University of Oklahoma

What Led You to Your Current Job: I was always fascinated with the brain from a young age. In college, I enjoyed science classes especially neuro anatomy class. This led me to medical school, where I pursued a career as a neurosurgeon.

Job Duties: A day in the operating room consists of meeting with patients at the hospital to ensure the patient is ready for surgery. Once the patient is cleared for surgery, I operate. A day in the office consists of meeting with patients to see how I can help them.

What I Like About My Job: I enjoy working with children and watching them grow up. I also enjoy the technical part of surgery and the challenges involved in operating.

2010 Employment
61,052

2020 Projection
77,649

Annual Growth
16,597

Annual Change
2.7%

Annual Openings
1,660

#2 REGISTERED NURSE

Average Salary: $57,034

Necessary Education: Associate's Degree

Related Occupations: 1) Physician Assistant 2) Medical and Clinical Laboratory Technologist

» MEET ELIZABETH

Registered Nurse

Education: Bachelor's Degree in Nursing from Marian University; Cardiopulmonary Resuscitation (CPR), Advanced Cardiac Life Support (ACLS), and Neonatal Resuscitation Program (NRP) certifications

What Led You to Your Current Job: I participated in an internship program volunteering at a hospital my senior year of high school. After that, I worked as a care tech and became a student nurse during nursing school.

Job Duties: I work in labor and delivery so I have the option of caring for women who are in labor or for women and their infants after delivery. I'm also able to scrub in for c-sections.

What I Like About My Job: I love helping women deliver their babies. I get to share the joy and see the excitement in the eyes of the mother and her family.

2010 Employment
4,387

2020 Projection
6,056

Annual Growth
1,669

Annual Change
3.8%

Annual Openings
167

#3 PHYSICAL THERAPIST

Average Salary: $76,627

Necessary Education: Doctoral or Professional Degree

Related Occupations: 1) Occupational Therapist 2) Radiation Therapist

» MEET NICHOLE

Physical Therapist

Education: Bachelor's Degree in Sports Medicine from DePauw University, Master's Degree in Physical Therapy from the University of Indianapolis, Doctorate in Physical Therapy from the University of Indianapolis

What Led You to Your Current Job: My interest began when I experienced a serious ankle injury in high school and was instructed to attend physical therapy. Before becoming a physical therapist, I worked as a certified athletic trainer and physical therapy technician.

Job Duties: My day is spent evaluating and treating patients. Each treatment is different. I must be able to accurately evaluate each patient and develop individualized treatment plans.

What I Like About My Job: I enjoy when patients achieve their goals, it is extremely rewarding.

2010 Employment
4,027

2020 Projection
5,610

Annual Growth
1,583

Annual Change
3.9%

Annual Openings
158

#4 DENTAL HYGIENIST

Average Salary: $65,707

Necessary Education: Associate's Degree

Related Occupations: 1) Medical and Clinical Laboratory Technician 2) Medical and Clinical Laboratory Technologist

» MEET KIMBERLY

Dental Hygienist

Education: Associate's Degree in Dental Hygiene from Indiana University School of Dentistry

What Led You to Your Current Job: During high school, I did on-the-job assisting that helped me see what a hygienist does on a daily basis. I always wanted to work in the dental field and decided on dental hygiene because I can go anywhere and find a job as a hygienist.

Job Duties: Typically, I see between seven and ten people a day. I perform teeth cleaning, sealants and whitening.

What I Like About My Job: I like the amount of time I spend with my patients, helping them with their dental needs and getting to know them as a person.

2010 Employment
14,082

2020 Projection
16,821

Annual Growth
2,739

Annual Change
1.9%

Annual Openings
274

#5 COMPUTER SOFTWARE ENGINEER

Average Salary: $72,197

Necessary Education: Bachelor's Degree

Related Occupations: 1) Network and Computer Systems Administrator 2) Computer Hardware Engineer

» MEET RODNEY

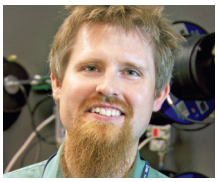
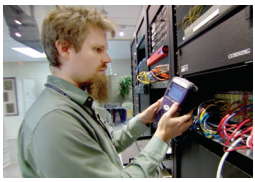
Embedded Software Engineer

Education: Bachelor's Degree in Computer Science from Purdue University

What Led You to Your Current Job: Before my present job I held positions in web development, graphic design and publishing. I really wanted to use my computer science degree in a more programming oriented job.

Job Duties: I have taken on more of a team lead role and involve myself with scheduling projects, negotiating scope and delivering reports to management.

What I Like About My Job: The most interesting part of my job is that I am able to be involved with the entire software development process.

2010 Employment
32,649

2020 Projection
38,476

Annual Growth
5,827

Annual Change
1.8

Annual Openings
583

#6 POSTSECONDARY TEACHER

Average Salary: $60,237

Necessary Education: Bachelor's and Master's Degrees

Related Occupations: 1) Secondary School Teacher, Except Special Education 2) Vocational Education Teacher, Secondary School

» MEET JERRY

Professor of Information Systems

Education: Bachelor's Degree in Mechanical Engineering from the University of Massachusetts, Master's Degree of Business Administration and a Master's Degree of Computer Science from Rensselaer Polytechnic Institute, Doctorate Degree from North Carolina A&T University.

What Led You to Your Current Job: I grew up wanting to be an engineer. I got my first experience with computers in the late 1970s before there were college degrees related to information systems. After I got an engineering degree, I continued working on advanced degrees in information systems. While working on my doctorate, I did some teaching and found that I really enjoyed it.

Job Duties: I teach at the University of Indianapolis where teaching students is more important than performing research. I teach four classes a day. I focus on the business impact of information systems rather than the technical aspects.

What I Like About My Job: I really enjoy teaching and interacting with students.

2010 Employment
11,215

2020 Projection
14,167

Annual Growth
2,952

Annual Change
2.6%

Annual Openings
295

#7 PLUMBER

Average Salary: $50,856

Necessary Education: Long-term on-the-job training

Related Occupations: 1) Pipelayer 2) Sheet Metal Worker

» MEET JACK

Plumber

Education: Bachelor's and Master's Degrees in Philosophy from Indiana University

What Led You to Your Current Job: I started working as a plumber in college and it was an easy transition after school. In high school, I worked at a hardware store, which helped me get used to doing something physical with people watching.

Job Duties: Each morning, I line up my schedule for the day and then I head out to answer service calls. My job requires me to be hands on and get a little dirty every once in awhile.

What I Like About My Job: I enjoy doing physical labor and using my brain. It is also rewarding to finish a big job.

2010 Employment
6,604

2020 Projection
8,236

Annual Growth
1,632

Annual Change
2.5%

Annual Openings
163

#8 PHARMACIST

Average Salary: $110,053

Necessary Education: Doctoral Degree

Related Occupations: 1) Health Specialties Teacher, Postsecondary 2) Chemist

» MEET NICOLE

Clinical Pharmacist

Education: Doctorate of Pharmacy from Purdue University

What Led You to Your Current Job: My interest in high school chemistry led me to pursue a degree in pharmacy. Once in college, I was inspired by my college roommate, a cancer survivor, to devote my life to treating cancer.

Job Duties: A typical day involves educating and comforting patients. I also check doses and labs to see if a patient is fit to receive chemotherapy that day. I serve as a drug information specialist for nurses, doctors and others.

What I Like About My Job: I enjoy educating patients on what to expect from upcoming chemotherapy treatments. Comforting them on what will become this life changing event is a very fulfilling part of my job.

2010 Employment
9,122

2018 Projection
11,741

Annual Growth
2,619

Annual Change
2.9%

Annual Openings
262

#9 OPERATING ENGINEER

Average Salary: $49,920

Necessary Education: Moderate on-the-job training

Related Occupations: 1) Paving, Surfacing, and Tamping Equipment Operator 2) Excavating and Loading Machine and Dragline Operator

» MEET STEVEN

Plant Manager

Education: Associate's Degree in Diesel Technology from Lincoln Tech, apprenticeship training

What Led You to Your Current Job: I was working as a contractor in the shop and saw an opportunity to make more money as a field worker. This field is very specialized and there are not many people that do what I do.

Job Duties: I run a mobile concrete plant utilizing a computer and scales. I have a loader and a laborer that I also monitor.

What I Like About My Job: You meet interesting people and the job is challenging.

Want to learn more about this Hot Job?

Check out Steven's video profile, explore training opportunities and more at HoosierHot50.com today!

2010 Employment
7,203

2020 Projection
8,948

Annual Growth
1,745

Annual Change
2.4%

Annual Openings
174

#10 MEDICAL SERVICES MANAGER

Average Salary: $75,691

Necessary Education: Bachelor's Degree

Related Occupations: 1) Social and Community Service Manager
2) Medical and Public Health Social Worker

» MEET AMY

Medical Administration

Education: Bachelor's Degree in Biology and Music Education from Baylor University, Master's Degree in Physical Therapy from the University of Indianapolis

What Led You to Your Current Job: I started my career practicing physical therapy specializing in spinal disorders, chronic pain and pediatrics. Later, I had the opportunity to perform patient care and administration. I eventually left the hospital to join a private practice as the administrator. My transition from physical therapy to administration happened gradually over my career.

Job Duties: I manage human and financial resources for the practice, ensure compliance with state and federal laws, develop the practice, and solve problems for patients and staff.

What I Like About My Job: My favorite part of my job is helping physicians improve the quality of a patient's life.

2010 Employment
4,809

2020 Projection
6,546

Annual Growth
1,737

Annual Change
3.6%

Annual Openings
174

#11 COST ESTIMATOR

Average Salary: $56,555

Necessary Education: Bachelor's Degree

Related Occupations: 1) Budget Analyst 2) Financial Analyst

» MEET DAVID

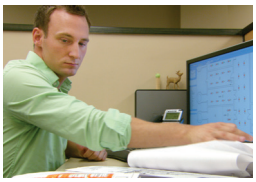
Electrical Estimator

Education: Bachelor's Degree in Computer Animation and Video Game Design from Indiana University Purdue University Indianapolis (IUPUI)

What Led You to Your Current Job: I started off as an intern CAD operator in high school and slowly worked my way into estimating.

Job Duties: I work closely with our project managers to estimate the cost of new projects. Our team works to put together the most competetive bid for either a big or small project, and we always have to meet a strict deadline.

What I Like About My Job: What I like most is that when a job is completed I get to move onto the next one. It's always something new.



2010 Employment
9,904

2020 Projection
12,385

Annual Growth
2,481

Annual Change
2.5%

Annual Openings
248

#12 CONSTRUCTION SUPERVISOR

Average Salary: $59,301

Necessary Education: Work experience in a related occupation

Related Occupations: 1) Manager of Farming, Fishing, and Forestry Workers 2) Manager of Helpers, Laborers and Material Movers

» MEET TYLER

Construction Supervisor

Education: Bachelor's Degree in Finance from Marian College

What Led You to Your Current Job: I choose to work in construction because I like to see the results of a completed job.

Job Duties: I oversee construction sites to ensure the project is completed on time and under budget. During the project, I work with each trade to make sure their daily activities don't conflict with each other and to keep the site safe. I also work with the owner to keep them updated on the project.

What I Like About My Job: I like seeing the benefits of a completed project.

2010 Employment
10,461

2020 Projection
13,101

Annual Growth
2,640

Annual Change
2.5%

Annual Openings
263

#13 SOCIAL WORKER

Average Salary: $52,478

Necessary Education: Bachelor's or Master's Degree

Related Occupations: 1) Substance Abuse and Behavioral Disorder Counselor 2) Educational, Vocational and School Counselor

» MEET KATE

Director of Adoption Services

Education: Bachelor's Degree in Social Work from Xavier University, Master's Degree in Social Work from Indiana University, Licensed Clinical Social Worker in the State of Indiana

What Led You to Your Current Job: I have always been a person who cared about others. In school, I excelled in math, but that did not interest me – people did. I volunteered in a number of organizations that taught me about what a social worker does. I also wanted to do more than just earn a paycheck.

Job Duties: I work to place kids in safe, loving homes. As the director, I have a nice balance between client contact, staff supervision and administrative duties.

What I Like About My Job: One of the most rewarding things is that I work in a place where everyone's goals are similar. It is always all about what is best for the kids.

2010 Employment
4,622

2020 Projection
6,346

Annual Growth
1,724

Annual Change
3.7%

Annual Openings
172

#14 MARKETING SPECIALIST

Average Salary: $49,026

Necessary Education: Bachelor's Degree

Related Occupations: 1) Advertising Account Executive 2) Management Consultant 3) Public Relations Representative and Social Media Specialist

» MEET CHRISTINA

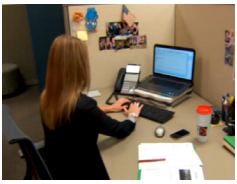
Marketing Coordinator

Education: Bachelor's Degree in Public Relations from Ball State University

What Led You to Your Current Job: After graduation, I got a job working in state government as a press secretary for the Indiana General Assembly. After a few years, I took a position with the American Cancer Society as a Communications Coordinator. Both positions gave me experience working in media relations and marketing, which led to my current position as a Marketing Coordinator.

Job Duties: Each day is very different. I spend most of my time meeting and communicating with clients gathering information to understand how to market their organization or project. I then strategize a proposal, which includes writing, researching, designing various layouts for marketing materials and branding.

What I Like About My Job: I really like how this industry is relationship driven. Being able to network and connect with people is really a key for success.



2010 Employment
12,610

2020 Projection
13,663

Annual Growth
1,053

Annual Change
0.8%

Annual Openings
124

#15 GRAPHIC DESIGNER

Average Salary: $36,005

Necessary Education: Bachelor's Degree

Related Occupations: 1) Architect, Except Landscape and Naval 2) Mechanical Drafter

» MEET ANDRE

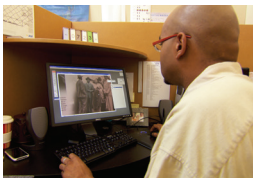
Environmental Graphic Designer

Education: Bachelor's Degree in Advertising with a Minor in Illustration from the Columbus College of Art and Design

What Led You to Your Current Job: I got started in graphic design through internships.

Job Duties: Some days I spend in front of my computer contemplating design solutions. Other days I'm out in the field taking measurements, gathering data and photographs of past and present work.

What I Like About My Job: What I like most is being creative and using new processes and green design.



2010 Employment
9,329

2018 Projection
11,269

Annual Growth
1,940

Annual Change
2.1%

Annual Openings
194

#16 MANAGEMENT ANALYST

Average Salary: $68,307

Necessary Education: Bachelor's or higher degree, plus work experience

Related Occupations: 1) Compensation, Benefits and Job Analysis Specialist 2) Financial Analyst

» MEET NATALEE

Business Analyst

Education: Bachelor's Degree in Business Management and Information Technology from Purdue University; Six Sigma Green Belt Certification

What Led You to Your Current Job: In my early jobs, I learned how to deal with my peers as well as members of management in the business environment. I developed a good leadership style that has served me well.

Job Duties: It is my job to discover information from the business to help document their true needs and outcomes of a project.

What I Like About My Job: I like helping the business uncover the root problems of what is causing the issue at hand. I enjoy analyzing the business's scope and needs.

2010 Employment
50,686

2020 Projection
61,450

Annual Growth
10,764

Annual Change
2.1%

Annual Openings
1,076

#17 TRUCK DRIVER

Average Salary: $38,730

Necessary Education: Short-term on-the-job training, and work experience in related occupation

Related Occupations: 1) Bus Driver, Transit and Intercity 2) Excavating and Loading Machine and Dragline Operator

» MEET AARON

Professional Driver

Education: Commercial Drivers License (CDL) training from Ivy Tech Community College

What Led You to Your Current Job: I was impressed with the paychecks some drivers were bringing home so I went to school to prepare for my Class A CDL.

Job Duties: On a typical day, I unload in the morning, drive to a nearby location and reload. After sleeping, I drive all night to be ready to deliver the next morning.

What I Like About My Job: Living out of a truck can be quite fun, it is like being on vacation except you get paid to travel.

Want to learn more about this Hot Job?

Check out Aaron's video profile, explore training opportunities and more at HoosierHot50.com today!

2010 Employment
71,589

2020 Projection
82,088

Annual Growth
10,499

Annual Change
1.5%

Annual Openings
1,050

#18 K-12 TEACHER

Average Salary: $47,611

Necessary Education: Bachelor's Degree or higher

Related Occupations: 1) Vocational Education Teacher, Postsecondary 2) Adult Literacy, Remedial Education and GED Teacher and Instructor

» MEET MICHELLE

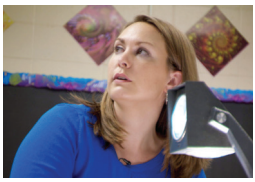
High School Math Teacher

Education: Bachelor's Degree in Math and Education from Purdue University; Master's Degree in Psychology from the University of Phoenix

What Led You to Your Current Job: I decided I wanted to teach math during my senior year of high school. I loved the subject and enjoy helping others.

Job Duties: I get to work an hour before school starts to prep for the day so I will have time available for students. I teach four 90 minute classes each day. After school, I assist students who stay for additional help and continue planning and grading. I often take work home for several additional hours.

What I Like About My Job: By far, my favorite part is working with students. Helping them succeed is extremely rewarding and seeing the pride they feel in themselves is extremely gratifying.



2010 Employment
38,322

2020 Projection
42,945

Annual Growth
4,623

Annual Change
1.2%

Annual Openings
462

#19 SALES REPRESENTATIVE, WHOLESALE AND MANUFACTURING

Average Salary: $53,664

Necessary Education: Moderate on-the-job training

Related Occupations: 1) Sales Manager 2) Manager of Helpers, Laborers and Material Movers

» MEET GARNET

North American Sales Manager

Education: Studied Electronics Technology at Vincennes University and Ivy Tech Community College

What Led You to Your Current Job: I had experience working in a technical position, which provided the expertise to instill confidence in the buyer, while maintaining clear and concise communication skills.

Job Duties: I establish and maintain relationships with clients. I help them solve their problems with our products. I have traveled to 257 different cities. Everyday is a new adventure. Some weeks, I stay in the office to process paperwork and meet with management and engineers.

What I Like About My Job: I am able to visit a potential customer and educate them and provide possible solutions to their needs, ultimately fulfilling their requirements. I am best when in front of people.

2010 Employment
2,326

2020 Projection
3,169

Annual Growth
843

Annual Change
3.6%

Annual Openings
84

#20 OCCUPATIONAL THERAPIST

Average Salary: $73,382

Necessary Education: Master's Degree

Related Occupations: 1) Occupational Therapist Assistant 2) Prosthetist and Orthotist 3) Recreation Therapist

» MEET LINDSEY

Occupational Therapist

Education: Bachelor's Degree and Master's Degree in Occupational Therapy from the University of Indianapolis

What Led You to Your Current Job: As a child, I received therapy after a sports injury and thought what the therapists were doing was cool. It is the only thing I can remember ever wanting to do. Then when I was in college my grandfather got sick and had to receive therapy, and I really got a better look at what occupational therapists truly do. I knew that was what I wanted to do.

Job Duties: I spend one full day working at a developmental preschool with children with a variety of diagnosis. I spend approximately 45 minutes with each child working on fine motor skills, sensory activities, activities of daily living, upper body strengthening, body balance and safety awareness.

What I Like About My Job: What I like most is seeing the progression of the kids, meeting goals, as well as hearing them say they did something for the first time.

2010 Employment
5,583

2020 Projection
7,555

Annual Growth
1,972

Annual Change
3.5%

Annual Openings
197

#21 HEATING, AIR CONDITIONING AND REFRIGERATION MECHANIC

Average Salary: $40,914

Necessary Education: Postsecondary vocational training, Long-term on-the-job training

Related Occupations: 1) Industrial Machinery Mechanic 2) Millwright

» MEET JASON

Heating, Air Conditioning Mechanic

Education: On-the-job training and EPA Certified

What Led You to Your Current Job: My dad was in the heating and air industry. Growing up, I helped him after school.

Job Duties: Every morning, I get a list of service runs to answer for the day. I answer a wide range of calls from residential air units to commercial buildings that may require me to work on top of a building 50 feet in the air.

What I Like About My Job: I like my job because I'm not tied to a desk and I have the freedom to manage myself. Each day, I have a list of things to accomplish and I go out and work on those without a manager hanging over my shoulder.

2010 Employment
13,461

2020 Projection
15,962

Annual Growth
2,501

Annual Change
1.9%

Annual Openings
250

#22 ELECTRICIAN

Average Salary: $54,995

Necessary Education: Long-term on-the-job training

Related Occupations: 1) Electrical and Electronics Repairer, Commercial and Industrial Equipment 2) Electrical and Electronics Repairer, Powerhouse, Substation and Relay

» MEET ERICH

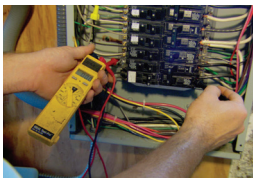
Electrician

Education: Electrical School

What Led You to Your Current Job: I always enjoyed taking things apart, figuring out how it worked and putting it back together. I found an opportunity with a friend who was an electrician and the job seemed like a good fit so he got me an interview.

Job Duties: My daily activities include climbing in attics and crawl spaces to run wires or install electrical outlets. My job duties vary everyday depending on service calls.

What I Like About My Job: I find it very satisfying to make people happy with the work I do. It feels good to make people happy.



2010 Employment
11,572

2020 Projection
13,532

Annual Growth
1,960

Annual Change
1.7%

Annual Openings
196

#23 CONSTRUCTION SUPERINTENDENT

Average Salary: $78,333

Necessary Education: Associate's Degree, and work experience in related occupation

Related Occupations: 1) Engineering Manager 2) Manager of Production and Operating Worker

» MEET DAVID

Field Manager

Education: Bachelor's Degree in Organizational Leadership from Purdue University, OSHA Certified

What Led You to Your Current Job: I always had an interest in construction and management. I enjoy working with customers, managing people and processes along with being hands on. I was a bartender, restaurant manager and an IT supervisor and these all helped me develop my people skills.

Job Duties: I work with people who are building homes and I manage and schedule the contractors.

What I Like About My Job: I enjoy working with the customers and being in the field solving problems and managing the construction.

2010 Employment
20,376

2020 Projection
25,096

Annual Growth
4,720

Annual Change
2.3%

Annual Openings
472

#24 LICENSED PRACTICAL NURSE

Average Salary: $38,189

Necessary Education: Postsecondary vocational training

Related Occupations: 1) Medical and Clinical Laboratory Technician 2) Medical and Clinical Laboratory Technologist

» MEET JASON

Licensed Practical Nurse

Education: Associate's Degree from Northwest Florida State College and Allied Health Science Degree through the Community College of the Air force

What Led You to Your Current Job: I was a military medic and enjoyed it so I decided to pursue a career in health care.

Job Duties: I administer medications and work with the family to help people get better so they can go home.

What I Like About My Job: I like getting people ready to go home and out of the hospital. I also enjoy working with the family and assuring them that their loved one is going to be okay.

2010 Employment
3,426

2020 Projection
4,978

Annual Growth
1,552

Annual Change
4.5%

Annual Openings
155

#25 OCCUPATIONAL AND PHYSICAL THERAPIST AIDE

Average Salary: $50,274

Necessary Education: Associate's Degree

Related Occupations: 1) Chiropractic, Occupational and Physical Therapist or Speech Language Assistant 2) Recreation Therapy Aide

» MEET TRACI

Physical Therapist Assistant

Education: Bossier Parish Community College in Louisiana

What Led You to Your Current Job: I have worked in many different areas in physical therapy, which gave me a lot of knowledge and experience.

Job Duties: If your patients are not making progress, they may be removed from your caseload. Also, working with and being available to the assigned physical therapist is important and keeping up the therapist-assistant relationship is equally as crucial.

What I Like About My Job: I enjoy working with the patients and seeing their progress. Progress is key in physical therapy. I enjoy the flexibility in my schedule.

2010 Employment
19,280

2020 Projection
21,763

Annual Growth
2,483

Annual Change
1.3%

Annual Openings
248

#26 ACCOUNTANT

Average Salary: $58,365

Necessary Education: Bachelor's Degree

Related Occupations: 1) Financial Analyst 2) Financial Examiner

» MEET BRIAN

Accountant

Education: Bachelor's Degree in Business and Accounting from Ball State University, Certified Public Accountant (CPA)

What Led You to Your Current Job: I enjoyed working in business and working with numbers. Accounting classes really made sense to me and in accounting you learn all aspects of business.

Job Duties: My days are varied. Working in a smaller firm allows me to do anything from prepare financial statements to audits.

What I Like About My Job: I really like the variety of work.

2010 Employment
29,532

2020 Projection
34,596

Annual Growth
5,064

Annual Change
1.7%

Annual Openings
506

#27 SALES REPRESENTATIVE, SERVICES

Average Salary: $44,782

Necessary Education: Associate's Degree

Related Occupations: 1) Sales Manager 2) Administrative Services Manager

» MEET JUANI

Director of National Retirement Education

Education: Associate's Degree in Finance from the University of Indianapolis; Life/Health Insurance License, Series 6 and 63 Securities Licenses

What Led You to Your Current Job: I came from a trust department in a bank. I worked my way up from administrative duties to regional sales office service coordinator to my current position.

Job Duties: My day may consist of learning about a new client's enrollment needs, followed by a conference call with another new client to discuss their employee base and which enrollment approach will best fit their schedule. I also may receive notification that a prospective client would like more information on enrollment services.

What I Like About My Job: I like the variety of my job, it also allows me to work with many different people at all levels.

2010 Employment
7,886

2020 Projection
9,520

Annual Growth
1,634

Annual Change
2.1%

Annual Openings
163

Information Technology

#28 COMPUTER SYSTEMS ANALYST

Average Salary: $69,347

Necessary Education: Bachelor's Degree

Related Occupations: 1) Database Administrator 2) Network and Computer Systems Administrator

» MEET CHRISTY

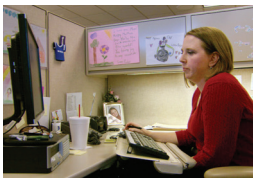
Systems Analyst

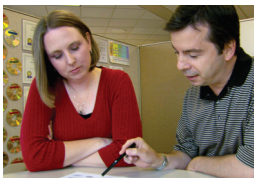
Education: Bachelor's Degree in Elementary Education from Ball State University

What Led You to Your Current Job: I went to work for an IT consulting firm that had a training program for recent college graduates. I had no IT experience and the company trained me in programming and data base management.

Job Duties: I mostly write and test code. As a programmer, I don't spend a lot of time in meetings. I work mainly with informatics and reporting services.

What I Like About My Job: I like working with newer technologies. I like to do work that is meaningful, solves problems and adds value to the company.





2010 Employment
6,237

2020 Projection
7,882

Annual Growth
1,645

Annual Change
2.6%

Annual Openings
164

Information Technology

#29 NETWORK SYSTEMS AND DATA COMMUNICATIONS ANALYST

Average Salary: $61,734

Necessary Education: Bachelor's Degree

Related Occupations: 1) Database Administrator 2) Network and Computer Systems Administrator

» MEET BILL

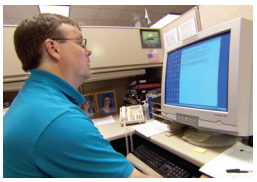
System Administrator in Data Communications

Education: Bachelor's Degree in Mathematics and Computer Science from Anderson University, Master's Degree in Computer and Information Science from Purdue University

What Led You to Your Current Job: My education and early career prepared me to do desktop support. It also prepared me with a broad base understanding of computers and technology. The ability to solve business problems has been the key thread throughout my career.

Job Duties: Most of my time is spent working on projects. Typical projects include establishing communication with a business partner, providing connectivity for a new system, developing and testing recovery plans and performing system upgrades.

What I Like About My Job: What I enjoy most about my job is working with people to create solutions and continuously learning new skills.



2010 Employment
3,320

2020 Projection
4,285

Annual Growth
965

Annual Change
2.9%

Annual Openings
96

#30 PERSONAL FINANCIAL ADVISOR

Average Salary: $69,014

Necessary Education: Bachelor's Degree

Related Occupations: 1) Accounting Technician 2) Banking and Investment Manager 3) Investment Agent and Broker

» MEET GREGORY

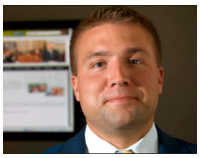
Financial Planner

Education: Bachelor's Degree in Finance from the Kelley School of Business at Indiana University; Life Underwriter Training Council Fellow (LUTCF) license; currently pursuing Certified Financial Planner license (CFP)

What Led You to Your Current Job: I wanted to help people on a daily basis and have the flexibility in my schedule to be able to work with the type of people that I enjoy working with. Previously, I owned my own landscaping business, which helped me to learn hard work, time management, and also increased my entrepreneurial skills.

Job Duties: Throughout the day, I meet with various clients to gather information and discuss their financial future. Then I implement those concepts by creating a financial plan that I feel is in the best interest of the client.

What I Like About My Job: I enjoy helping individuals, families and business owners meet their financial goals and need and to help them plan for their future.



Health Science

2010 Employment
5,764

2020 Projection
7,642

Annual Growth
1,878

Annual Change
3.3%

Annual Openings
188

#31 DENTAL ASSISTANT

Average Salary: $34,362

Necessary Education: Postsecondary vocational training

Related Occupations: 1) Medical Assistant 2) Occupational Therapy Assistant 3) Pharmacy Technician

» MEET LESLIE

Dental Assistant

Education: Dental Assisting Program at Indiana University School of Denistry; Indiana Certification for Radiology License

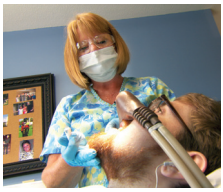
What Led You to Your Current Job: **I worked in my cousin's dental office in high school and college and decided to pursue a career in dental assisting.**

Job Duties: I assist the dentist with everything from filings to root canals. I work closely with the dentist and patients to ensure the procedure goes smoothly.

What I Like About My Job: I enjoy when the patient isn't afraid and has a cavity free and healthy check-up.

Want to learn more about this Hot Job?

Check out Leslie's video profile, explore training opportunities and more at HoosierHot50.com today!



Health Science

2010 Employment
1,244

2020 Projection
1,718

Annual Growth
474

Annual Change
3.8%

Annual Openings
47

#32 VETERINARIAN

Average Salary: $77,854

Necessary Education: Doctoral Degree

Related Occupations: 1) Agricultural and Food Scientist 2) Animal Care and Service Worker 3) Veterinary Assistant 4) Medical Scientist

» MEET CHRISTINE

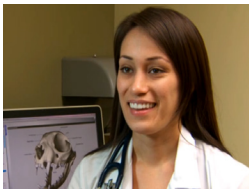
Small Animal Veterinarian

Education: Bachelor's Degree in Animal Science from Michigan State University; Doctor of Veterinary Medicine Degree from University of Illinois College of Veterinary Medicine

What Led You to Your Current Job: I started as a kennel assistant in high school, which helped later to get into vet school because they like to see students with some animal experiences working in a practice.

Job Duties: I start my day by coming in and reviewing charts to see what is going on with my patients. Then I spend most of my day running through appointments, which may include vaccines, puppy check-ups and medical emergencies or surgeries.

What I Like About My Job: I have always loved animals and being a vet allows me to combine that passion with the medical and science aspects that I also enjoy.



2010 Employment
872

2020 Projection
1,208

Annual Growth
336

Annual Change
3.9%

Annual Openings
34

#33 OPTOMETRIST

Average Salary: $78,894

Necessary Education: Doctoral Degree

Related Occupations: 1) Dentist 2) Physician 3) Podiatrist

» MEET ERIN

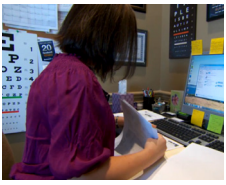
Optometrist

Education: Bachelor's Degree in Chemistry from Ball State University; Doctor of Optometry from the Indiana University School of Optometry

What Led You to Your Current Job: I knew I wanted to pursue a career in the medical field so I explored several different options, and optometry just felt right. As an optometrist, I have the opportunity to help people with their precious gift of sight.

Job Duties: On a typical day, I am fortunate to spend the majority of my time taking care of patients. I generally see a patient every half hour so I have plenty of time to spend getting to know my patients, while still keeping them on their busy schedules. In between patients, I do paperwork that may include insurance and test results or findings.

What I Like About My Job: My favorite part of my job is working with kids who have vision-related learning problems through a vision therapy program. Watching kids, who struggle with reading and learning due to their vision, blossom after therapy is truly a rewarding experience.



2010 Employment
8,456

2020 Projection
10,596

Annual Growth
2,140

Annual Change
2.6%

Annual Openings
214

#34 COUNSELOR

Average Salary: $37,170

Necessary Education: Master's Degree

Related Occupations: 1) Child, Family and School Social Worker
2) Mental Health and Substance Abuse Social Worker

» MEET NICO

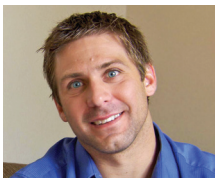
Family Therapist

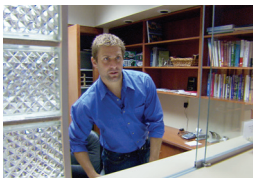
Education: Bachelor's Degree in Criminal Justice and Psychology from Ball State University, Master's Degree in Social Work from Indiana University Purdue University Indianapolis, studied for three years under a PhD/Licensed therapist, Licensed Clinical Social Worker (LCSW)

What Led You to Your Current Job: I never really made a decision to be a therapist as much as it just happened. I met a professor who convinced me to do an internship for his class. It was the first time I was exposed to therapy and I started to focus on becoming a therapist.

Job Duties: My days usually consist of appointments with clients and I meet with a peer once a week. Most of my appointments are family sessions. The day to day issues are very different. Issues range from behavior problems, mood disorders, depression and more.

What I Like About My Job: The most rewarding aspects of my job are seeing the improvements someone makes when they have completed therapy.





2010 Employment
4,688

2020 Projection
5,914

Annual Growth
1,226

Annual Change
2.6%

Annual Openings
123

#35 INFORMATION SECURITY ANALYST AND COMPUTER NETWORK ARCHITECT

Average Salary: $66,290

Necessary Education: Bachelor's Degree

Related Occupations: 1) Computer Hardware Engineer 2) Computer and Information Systems Manager 3) Computer Programmer

» MEET JIM

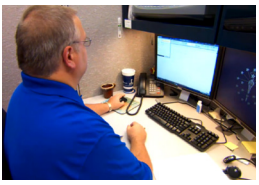
Senior Information Security Analyst

Education: Bachelor's and Master's Degrees in Psychology from Ball State University

What Led You to Your Current Job: My experience with statistical analysis and as a researcher via computers got me started.

Job Duties: A good deal of my day is spent making sure that people have the tools to do their jobs and access to the information needed for their job. Depending upon the system, I will create, change or delete accounts for users or I will order these changes made. The rest of my day is taken up with internal and external investigations and troubleshooting.

What I Like About My Job: I confess that investigations are something that I most like about the job. There is a great deal of satisfaction felt in tracking down someone that is committing fraud or theft.



2010 Employment
4,952

2020 Projection
6,412

Annual Growth
1,460

Annual Change
2.9%

Annual Openings
146

Human Services

#36 TRAINING AND DEVELOPMENT SPECIALIST

Average Salary: $45,656

Necessary Education: Bachelor's Degree

Related Occupations: 1) Human Resources Manager 2) Customer Service Respresentative

» KALENA

Business Transition Trainer

Education: Bachelor's Degree in Business Administration from Indiana Wesleyan University; Department of Labor Training Certification from the National Judicial College

What Led You to Your Current Job: I wanted to make an impact in people's lives by sharing my experiences, knowledge and skills. My previous jobs allowed me to understand the "big picture," the learning styles of others and to have a healthy respect of how we impact our community.

Job Duties: I will meet with various team members to discuss upcoming training needs and what expectations, changes or enhancements are needed. Then I will schedule and facilitate various training sessions or workshops. In addition, I will create and keep different training manuals up-to-date, while also measuring the success of previous training sessions.

What I Like About My Job: I enjoy helping others live and explore career opportunities to their fullest potential.

2010 Employment
11,701

2020 Projection
13,855

Annual Growth
2,154

Annual Change
1.8%

Annual Openings
215

Manufacturing

#37 INDUSTRIAL MACHINERY MECHANIC

Average Salary: $46,072

Necessary Education: Long-term on-the-job training

Related Occupations: 1) Industrial Engineering Technician 2) Heavy Equipment Technician 3) Compression Technician

» MEET KURT

Technical Specialist

Education: Associate's Degree and Bachelor's Degree from ITT Technical Institute

What Led You to Your Current Job: I was curious about the industry and the different career opportunities. I have worked as a Service Engineer and a Plant Maintenance Technician, which led to my current position.

Job Duties: Overall, a typical day includes diagnosing customer problems related to the machines we manufacture. I answer calls, acquire necessary information from the customer, diagnose the problem, and provide the solution. I'm sometimes called to the field to visit the customer's facility to repair or install machines.

What I Like About My Job: I like the unpredictability of my schedule (hour to hour) and the variety of things I get to do in my job. It's never boring.

2010 Employment
5,002

2020 Projection
6,360

Annual Growth
1,358

Annual Change
2.7%

Annual Openings
136

#38 RADIOLOGIC TECHNICIAN

Average Salary: $51,542

Necessary Education: Associate's Degree

Related Occupations: 1) Diagnostic Medical Sonographers 2) Nuclear Medicine Technologist 3) Radiation Therapist

» MEET LAUREN

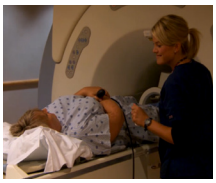
MRI Technologist

Education: Bachelor's Degree in Applied Science from Indiana University-Purdue University of Indianapolis; Radiologic Technologist Certification

What Led You to Your Current Job: My desire to help patients led me to my present job. My interest in radiography began when I started watching medical TV shows and saw the types of technology they used. I started out as a clinical assistant in the Radiology Department, then I became a patient care technician and later became a radiologic technician.

Job Duties: My typical day consists of imaging many different patients with a wide variety of sickness or injuries. My regular schedule is made up of outpatients, which may consist of a variety of things, such as cancer diagnosis or a follow up of minor injuries. I have to be prepared at all times for emergencies that may come up through the emergency room because the scanner is a large magnet.

What I Like About My Job: What I like most about my job is working with patients. It is rewarding to know that you are helping someone.



2010 Employment
845

2020 Projection
1,136

Annual Growth
291

Annual Change
3.4%

Annual Openings
29

#39 PHYSICIAN ASSISTANT

Average Salary: $85,634

Necessary Education: Master's Degree

Related Occupations: 1) Audiologists 2) Paramedics 3) Occupational Therapists 4) Physician

» MEET TOM

Physician Assistant

Education: Bachelor's Degree in Neuroscience from Brigham Young University; Master's Degree in Physician Assistant Sciences from St. Francis University in Loretto, PA

What Led You to Your Current Job: I took some time off during college to serve a mission for my church. Part of this experience involved associations with different medical professionals. Upon returning home, I changed my major to neuroscience.

Job Duties: During a typical day, I'll review my patient appointments for the day. During the day, I'll see all types of patients. High blood pressure, diabetes, cholesterol and routine exams tend to be the most common. At the end of the day, my supervising physician reviews the charts and signs off on them.

What I Like About My Job: The best part of my jobs is having the opportunity to listen to a person's story, understanding what is wrong and then educating them on the solution.

2010 Employment
527

2018 Projection
694

Annual Growth
167

Annual Change
3.2%

Annual Openings
17

#40 ACTUARY

Average Salary: $88,920

Necessary Education: Bachelor's Degree

Related Occupations: 1) Insurance Underwriter 2) Mathematician and Statistician 3) Operations Research Analyst

» MEET CARTER

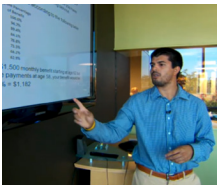
Pension Consulting Actuary

Education: Bachelor's Degree in Mathematics from University of Notre Dame; Associate of the Society of Actuaries (ASA) and Enrolled Actuary (EA)

What Led You to Your Current Job: I was drawn to the actuarial science field in large part because it is a math-based, objective field that pays well. What led me to my present job was the opportunity to use my math skills and also my people skills as I grow into a consultant. The work is challenging and enjoyable.

Job Duties: A typical day involves me answering client e-mails and phone calls, collaborating with colleagues and checking in with my boss on my current workload.

What I Like About My Job: What I like most about my job is the variety of projects with which I am entrusted. I also have the opportunity to use both my technical skills and my consulting skills.



2010 Employment
7,780

2020 Projection
8,947

Annual Growth
1,167

Annual Change
1.5%

Annual Openings
117

#41 SCHOOL ADMINISTRATOR

Average Salary: $64,147

Necessary Education: Bachelor's or higher degree, plus work experience

Related Occupations: 1) Administrative Services Manager 2) Social and Community Service Manager

» MEET DAN

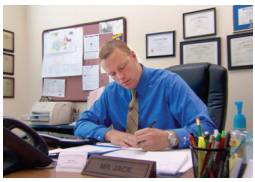
High School Assistant Principal

Education: Bachelor's Degree in Social Studies Education from Millikin University, Master's Degree in Educational Leadership from Ball State University

What Led You to Your Current Job: I was a history teacher and both the principal and assistant principal encouraged me to pursue an administrative license.

Job Duties: No two days are alike. I write and respond to emails from teachers, parents and peers. I supervise the hallways prior to school. I see students for discipline issues, visit classes, supervise the lunchroom, and I meet with parents or other administrators. Many evenings I supervise extracurricular activities.

What I Like About My Job: I love that new ideas are encouraged and expected. I am challenged to think creatively, find new ways to handle situations and learn better ways to communicate. I help students make good choices, learn and succeed.



2010 Employment
1,780

2020 Projection
2,363

Annual Growth
583

Annual Change
3.3%

Annual Openings
58

#42 DATABASE ADMINISTRATOR

Average Salary: $64,418

Necessary Education: Bachelor's Degree

Related Occupations: 1) Network and Computer Systems Administrator 2) Computer Hardware Engineer

» MEET LORI

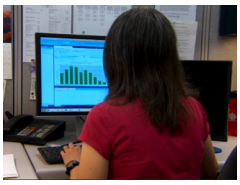
Database Analyst

Education: Bachelor's and Master's degree in Mathematics from the University of Northern Iowa; Certificate in Applied Computer Science from Indiana University-Purdue University of Indianapolis

What Led You to Your Current Job: Although challenging, I believe it is important to have a good fit with what you do in terms of interest and talent, so that is how I became a database administrator. I was originally going to be a math teacher, but I went to student teach and found that it was not something that I enjoyed. I became a statistician and really enjoyed the work.

Job Duties: My main job is making sure our database is populated and up-to-date with the most current data. I write packages to import data and aggregate data for various reports, and review them daily to ensure they have ran correctly.

What I Like About My Job: What I like best about my job is the data I generate is useful for various entities. It has been used in decision making and strategic planning by providing a clearer picture to staff.



2010 Employment
3,225

2020 Projection
4,021

Annual Growth
796

Annual Change
2.5%

Annual Openings
80

#43 CIVIL ENGINEER

Average Salary: $68,328

Necessary Education: Bachelor's Degree

Related Occupations: 1) Architect and Community Planner 2) Electrical Contractor 3) Environmental and Geotechnical Engineer

» MEET ANTHONY

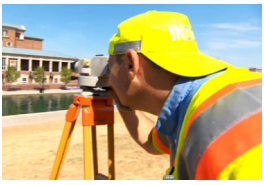
Highway Engineer

Education: Bachelor's Degree in Civil Engineering with an emphasis in Structural Design from Purdue University; Professional Engineers License (PE)

What Led You to Your Current Job: I previously worked for a consultant for the City of Indianapolis as an inspector, where I oversaw road paving and sidewalk replacement projects. I also worked for a site development engineering firm to create plans for subdivisions and commercial developments.

Job Duties: I determine the size and layout of storm drain systems, roadway culverts and large bridges. In doing this, I interact with roadway and bridge engineers to get information or to provide them with information. I also coordinate with engineers and scientists from our environmental section since our waterways are so important to our environment and wildlife throughout the state.

What I Like About My Job: I enjoy the diversity of the types of projects that I work on, the variety of people that I get to interact with, and also the diversity in work environment that I get by going in the field and out of the office .



2010 Employment
1,512

2020 Projection
1,933

Annual Growth
421

Annual Change
2.8%

Annual Openings
42

#44 MEDICAL SCIENTIST

Average Salary: $90,085

Necessary Education: Doctoral Degree

Related Occupations: 1) Medical Technologist 2) Research Scientist 3) Analytical Chemist

» MEET REBECCA

Associate Professor of Pediatrics

Education: Bachelor's Degree in Biology, Medical Degree and Doctor of Philosophy Degree in Biochemistry from Indiana University

What Led You to Your Current Job: I desired to focus my expertise on medical research. Although I am a trained and licensed physician, I chose to direct my effort exclusively to research.

Job Duties: Much of my time is spent in the laboratory designing and performing experiments. As my career progressed, more of my time has been spent directing the experiments and directing personnel who are performing the experiments. I also write research grants to financially support the studies. I also read the work of other investigators and design overall approaches to the studies carried out in the lab.

What I Like About My Job: What I like most about the job is the opportunity to work closely with other investigators who study similar diseases and to direct and educate students in the laboratory.

2010 Employment
2,221

2020 Projection
2,876

Annual Growth
655

Annual Change
2.9%

Annual Openings
66

Human Services

#45 SCHOOL PSYCHOLOGIST

Average Salary: $56,534

Necessary Education: Doctoral Degree

Related Occupations: 1) Child, Family and School Social Worker
2) Mental Health and Substance Abuse Social Worker

» MEET KATHY

School Psychologist

Education: Bachelor's Degree in Elementary Education from University of Dayton; Master's Degree of Education in School Psychology from John Carroll University; Nationally Certified School Psychologist (NCSP)

What Led You to Your Current Job: I was a teacher for five years prior to becoming a school psychologist, but I was always interested in the school psychologist's role. I decided to stop teaching and attend graduate school full time to become a school psychologist.

Job Duties: Within a given day, I may observe several students, consult with teachers, meet with administrators and meet with parents. I also score assessments and write reports based on my findings. I may help to develop an intervention plan (academic or behavioral) with a teacher if he or she has a student who is considered to be "at-risk."

What I Like About My Job: I like that every day is different. I love working with children and adults. I love to know that I may be helping a student to succeed, either academically or behaviorally.

2010 Employment
3,550

2020 Projection
4,789

Annual Growth
1,239

Annual Change
2.5%

Annual Openings
124

#46 CEMENTMASON AND CONCRETE FINISHER

Average Salary: $36,795

Necessary Education: Moderate-term on-the-job training

Related Occupations: 1) Construction Craft Laborer and Construction Estimator 2) Tilesetter

» MEET ANTHONY

Concrete Finisher

Education: On-the-job training

What Led You to Your Current Job: I started working with my dad and uncle as a teenager. When I finished high school, I attended Vincennes University to study construction management. Then I worked for a few commercial companies and eventually branched into owning my own company.

Job Duties: Each day depends on the job. Most days we start by ensuring we have the crew and materials needed to successful complete the job. We take precise steps in laying and finishing concrete to ensure no problems occur and everything goes well.

What I Like About My Job: I enjoy being my own boss, and I enjoy the outdoors. I also enjoy bringing a customer's vision to life, that is the most rewarding part.

Manufacturing

2010 Employment
1,930

2020 Projection
2,473

Annual Growth
543

Annual Change
2.8%

Annual Openings
54

#47 BOILERMAKER

Average Salary: $65,062

Necessary Education: Long-term on-the-job training

Related Occupations: 1) Welder, Cutter, Solderer and Brazer
2) Industrial Machinery Mechanic

» MEET AL

Boilermaker

Education: Four Year Apprenticeship in the Millwright Union; various welding certifications

What Led You to Your Current Job: I was hired for a two-day repair job. Upon completion, I was asked to work on other projects. I eventually had the opportunity to become a boilermaker and have been one since 1996.

Job Duties: It involves many aspects of the construction field. I might change a flange on a tank, make a simple boiler repair, erect a tank with 100,000 gallons capacity or completely rebuild a massive boiler that produces steam to generate electricity.

What I Like About My Job: The changes in everyday tasks make this job both challenging and rewarding.

Want to learn more about this Hot Job?

Check out Al's video profile, explore training opportunities and more at HoosierHot50.com today!

2010 Employment
3,076

2020 Projection
3,995

Annual Growth
919

Annual Change
3%

Annual Openings
92

#48 BRICKMASON AND BLOCKMASON

Average Salary: $46,301

Necessary Education: Long-term on-the-job training

Related Occupations: 1) Bricklayer 2) Construction Craft Laborer and Construction Estimator 3) Tilesetter

» MEET KOREY

Brickmason

Education: On-the-job training

What Led You to Your Current Job: When I was in high school, one of my summer jobs was laying brick and I became interested in the trade.

Job Duties: When I arrive for a job, I make sure I have all the appropriate equipment, materials and laborers to ensure proper installation. The time to complete a job can vary on the size of the project, ranging from a couple of hours to several weeks.

What I Like About My Job: I enjoy my job when projects run smooth. They are completed properly, on time and to the customer's satisfaction.

2010 Employment
761

2020 Projection
1,145

Annual Growth
384

Annual Change
5%

Annual Openings
38

#49 BIOMEDICAL ENGINEER

Average Salary: $58,656

Necessary Education: Bachelor's Degree

Related Occupations: 1) Biologist 2) Chemical Engineer and Electrical Engineer

» MEET PAUL

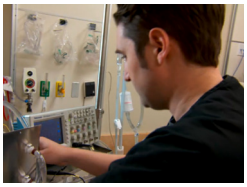
Simulation Technician

Education: Bachelor's Degree in Biomedical Engineering and Computer Engineering from Indiana University Purdue University in Indianapolis

What Led You to Your Current Job: As an undergrad, I filled in for an Anesthesia Simulation Tech a couple times a year. Eventually the tech retired and I became a part-time tech running simulations twice a week. Two years later, IU Health built one of the largest clinical simulation centers and I signed on full time.

Job Duties: I'm usually running simulations and setting up one for the next day. To run a medical simulation, we program computerized manikin to act out ailments so we can diagnose and treat whatever problem the patient has. If I'm not setting up or running medical simulations I'm usually meeting with other physicians or educators to develop new simulations, or developing a simulation of my own.

What I Like About My Job: What I like most about my job is that we directly affect the lives of patients, by helping students learn and gain confidence in life threatening situations.



2010 Employment
2,207

2020 Projection
2,709

Annual Growth
502

Annual Change
2.3%

Annual Openings
50

#50 DENTIST

Average Salary: $163,488

Necessary Education: Doctoral Degree

Related Occupations: 1) Dental Assistant, Hygienist and Technologist 2) Optometrist 3) Physician

» MEET CHARLIE

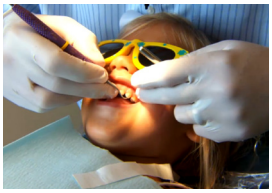
Pediatric Dentist

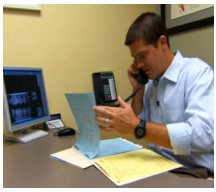
Education: Bachelor's Degree in Life science and Chemistry from Indiana State University; Doctor of Dental Surgery Degree and Master's Degree in Science; Completed a pediatric dentistry residency at the Indiana University School of Dentistry

What Led You to Your Current Job: I knew I wanted a profession where I could help people and I was very interested in science. I decided on dentistry after my sophomore year in college after much deliberation between medical school and dental school.

Job Duties: Even with an "easy" schedule, there are many surprises in my day. As a dentist, you have to be a diagnostician, artist, business manager, care taker, bearer of bad news and an empathetic practitioner.

What I Like About My Job: I love my job because of the people I help and the many different things I am presented with on a daily basis.





METHODOLOGY

The 2012 Hoosier Hot 50 Jobs are based on an index of eight weighted occupational measures of growth by 2020 and opportunity for Hoosier workers. The 2012 Hoosier Hot 50 Jobs were selected based on Indiana's Occupational Projections and wage data from the Occupational Employment Statistics (OES) survey, both produced by Indiana's Department of Workforce Development. To see the Hoosier Hot 50 Jobs data please visit www.HoosierHot50.com. For more information on employment and wage statistics check out www.hoosierdata.in.gov.

» SOURCES AND MEASURES

Sources and measures used for determining the 2012 Hoosier Hot 50 Jobs are listed down below.

Hoosier Hot 50 Jobs Sources:
1) Indiana 2010-2020 Long Term Occupational Projections
2) Indiana 2012-2014 Short Term Occupational Projections
3) Indiana Occupational Employment Statistics Wage Survey 2011 (OES)

The Eight Hoosier Hot 50 Jobs Measures:
1) Long Term Growth 2010-2020 (numeric change)
2) Short Term Growth 2012-2014 (numeric change)
3) Long Term Growth Rate 2010-2020 (percent change)
4) Short Term Growth Rate 2012-2014 (percent change)
5) Long Term Job Openings (openings due to growth plus openings due to worker replacements)
6) Short Term Job Openings (openings due to growth plus openings due to worker replacements)
7) Indiana 2011 OES Occupational Median Wages

Additions to the methodology this year:

8) Analysis of Current Job Demand as illustrated by current levels of Indiana online job ads, by industry. Source: Wanted Analytics Technology.

The Hot Now Jobs are based on:
1) Short term projection growth for 2012-2014
2) Short term projection total job openings (openings due to growth and openings due to replacement needs) for 2012-2014
3) Current job demand levels in Indiana determined by Wanted Analytics Technology's online job ads for 2012 in Indiana.

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