

DEMAND OCCUPATIONS

Occupation	Skills	Knowledge	Training/Education Requirements	* Mean Annual Salary 2007	Job Description	AVG Annual Job Openings 2006-2016
High Skills - The developed talents that appear in occupations requiring an associate's degree or higher.						
Aerospace Engineers	Systems Analysis, Systems Evaluation, Judgment and Decision Making	Design, Engineering and Technology, Mechanical	Bachelor's degree	\$92,940	Perform a variety of engineering work in designing, constructing, and testing aircraft, missiles, and spacecraft.	160
Biological Science Teachers, Postsecondary	Instructing, Reading Comprehension, Science	Biology, Education and Training, English Language	Doctoral degree	\$79,020	Teach courses in biological sciences. Include both teachers primarily engaged in teaching and those who do a combination of both teaching and research.	45
Business Teachers, Postsecondary	Instructing, Learning Strategies, Monitoring	Customer and Personal Service, Education and Training, English Language	Master's degree	\$75,540	Teach courses in business administration and management, such as accounting, finance, human resources, labor relations, marketing, and operations research.	45
Clergy	Coordination, Management of Personnel Resources, Service Orientation	Customer and Personal Service, Philosophy and Theology, Therapy and Counseling	Master's degree	\$40,200	Conduct religious worship and perform other spiritual functions associated with beliefs and practices of religious faith or denomination.	340
Computer Software Engineers, Applications	Complex Problem Solving, Critical Thinking, Programming	Computers and Electronics, Engineering and Technology, Mathematics	Bachelor's degree	\$73,940	Develop, create, and modify general computer applications software or specialized utility programs.	230
Computer Software Engineers, Systems Software	Complex Problem Solving, Critical Thinking, Technology Design	Computers and Electronics, Design, Mathematics	Bachelor's degree	\$81,790	Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications.	175
Computer Systems Analysts	Active Learning, Critical Thinking, Reading Comprehension	Computers and Electronics, Customer and Personal Service, English Language	Bachelor's degree	\$68,350	Analyze science, engineering, business, and all other data processing problems for application to electronic data processing systems.	450
Database Administrators	Critical Thinking, Reading Comprehension, Writing	Computers and Electronics, Customer and Personal Service, Mathematics	Bachelor's degree	\$59,800	Coordinate changes to computer databases, test and implement the database applying knowledge of database management systems.	40
Dental Hygienists	Active Listening, Reading Comprehension, Speaking	Biology, Customer and Personal Service, Medicine and Dentistry	Associate degree	\$41,040	Clean teeth and examine oral areas, head, and neck for signs of oral disease.	165
Directors, Religious Activities and Education	Coordination, Social Perceptiveness, Speaking	Education and Training, Clerical, Customer and Personal Service	Bachelor's degree	\$49,000	Direct and coordinate activities of a denominational group to meet religious needs of students.	100
Elementary School Teachers, Except Special Education	Instructing, Learning Strategies, Monitoring	English Language, Education and Training, Geography	Bachelor's degree	\$41,610	Teach pupils in public or private schools at the elementary level basic academic, social, and other formative skills.	835
Health Specialties Teachers, Postsecondary	Critical Thinking, Instructing, Reading Comprehension	Biology, Education and Training, English Language	Master's degree	\$85,570	Teach courses in health specialties, such as veterinary medicine, dentistry, pharmacy, therapy, laboratory technology, and public health.	55
Industrial Engineers	Critical Thinking, Time Management, Active Listening	Engineering and Technology, Production and Processing, Mathematics	Bachelor's degree	\$68,700	Design, develop, test, and evaluate integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.	140
Logisticians	Active Learning, Coordination, Monitoring	Administration and Management, Computers and Electronics, Customer and Personal Service	Bachelor's degree	\$73,080	Analyze and coordinate the logistical functions of a firm or organization.	60
Management Analysts	Active Listening, Critical Thinking, Coordination	Administration and Management, Customer and Personal Service, English Language	Bachelor's or higher degree, plus work exp	\$83,260	Conduct organizational studies and evaluations, design systems and procedures, conduct work simplifications and measurement studies, and prepare operations and procedures manuals to assist management in operating more efficiently and effectively.	345
Medical and Health Services Managers	Coordination, Reading Comprehension, Monitoring	Administration and Management, Economics and Accounting, Education and Training	Bachelor's or higher degree, plus work exp	\$79,490	Plan, direct, or coordinate medicine and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.	120
Medical and Public Health Social Workers	Reading Comprehension, Social Perceptiveness, Speaking	Customer and Personal Service, Psychology, Therapy and Counseling	Bachelor's degree	\$39,440	Provide persons, families, or vulnerable populations with the psychosocial support needed to cope with chronic, acute, or terminal illnesses, such as Alzheimer's, cancer, or AIDS.	110
Network and Computer Systems Administrators	Active Listening, Critical Thinking, Active Learning	Administration and Management, Computers and Electronics, Customer and Personal Service	Bachelor's degree	\$62,190	Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system.	215
Network Systems and Data Communications Analysts	Complex Problem Solving, Equipment Selection, Troubleshooting	Administration and Management, Computers and Electronics, Customer and Personal Service	Bachelor's degree	\$64,210	Analyze, design, test, and evaluate network systems, such as local area networks (LAN), wide area networks (WAN), Internet, intranet, and other data communications systems.	200
Occupational Therapists	Judgment and Decision Making, Reading Comprehension, Social Perceptiveness	Education and Training, Psychology, Therapy and Counseling	Master's degree	\$63,520	Assess, plan, organize, and participate in rehabilitative programs that help restore vocational, homemaking, and daily living skills, as well as general independence, to disabled persons.	40
Paralegals and Legal Assistants	Active Listening, Reading Comprehension, Writing	Clerical, English Language, Law and Government	Associate degree	\$40,680	Assist lawyers by researching legal precedent, investigating facts, or preparing legal documents.	115
Personal Financial Advisors	Active Listening, Reading Comprehension, Time Management	Customer and Personal Service, Economics and Accounting, Sales and Marketing	Bachelor's degree	\$102,680	Advise clients on financial plans utilizing knowledge of tax and investment strategies, securities, insurance, pension plans, and real estate.	80
Pharmacists	Active Listening, Critical Thinking, Reading Comprehension	Customer and Personal Service, Mathematics, Medicine and Dentistry	First professional degree	\$101,140	Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use.	180
Physical Therapist Assistants	Active Listening, Reading Comprehension, Service Orientation	Customer and Personal Service, Education and Training, Psychology	Associate degree	\$42,000	Assist physical therapists in providing physical therapy treatments and procedures.	65
Physical Therapists	Active Listening, Critical Thinking, Speaking	Medicine and Dentistry, Therapy and Counseling, Customer and Personal Service	Master's degree	\$71,590	Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and decrease or prevent deformity of patients suffering from disease or injury.	90
Physician Assistants	Active Listening, Reading Comprehension, Social Perceptiveness	Customer and Personal Service, Medicine and Dentistry, Psychology	Bachelor's degree	\$68,720	Provide healthcare services typically performed by a physician, under the supervision of a physician.	35
Registered Nurses	Active Listening, Reading Comprehension, Speaking	Customer and Personal Service, Medicine and Dentistry, Psychology	Associate degree	\$54,370	Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records.	1,820
Securities, Commodities, and Financial Services Sales Agents	Active Learning, Active Listening, Persuasion	Customer and Personal Service, Mathematics, Sales and Marketing	Bachelor's degree	\$78,590	Buy and sell securities in investment and trading firms, or call upon businesses and individuals to sell financial services.	85
Vocational Education Teachers, Postsecondary	Instructing, Learning Strategies, Speaking	Computers and Electronics, Customer and Personal Service, Education and Training	Bachelor's or higher degree, plus work exp	\$44,610	Teach or instruct vocational or occupational subjects at the postsecondary level (but at less than the baccalaureate) to students who have graduated or left high school.	100
Moderate Skills - The developed talents that appear in occupations requiring long-term on-the-job training and postsecondary training.						
Aircraft Mechanics and Service Technicians	Critical Thinking, Equipment Maintenance, Repairing	Design, Engineering and Technology, Mechanical	Postsecondary vocational training	\$39,190	Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems.	85
Fitness Trainers and Aerobics Instructors	Coordination, Instructing, Monitoring	Customer and Personal Service, Education and Training, Psychology	Postsecondary vocational training	\$29,150	Instruct or coach groups or individuals in exercise activities and the fundamentals of sports.	155
Basic Skills - The developed talents that appear in occupations requiring short-term on-the-job training and moderate-term on-the-job training.						
Bill and Account Collectors	Active Listening, Reading Comprehension, Speaking	Clerical, Computers and Electronics, Customer and Personal Service	Short-term on-the-job training	\$25,900	Locate and notify customers of delinquent accounts by mail, telephone, or personal visit to solicit payment.	320
Cost Estimators	Mathematics, Reading Comprehension, Writing	Computers and Electronics, Engineering and Technology, Mathematics	Work experience in a related occupation	\$50,670	Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or determining price of product or service.	110
Customer Service Representatives	Monitoring, Reading Comprehension, Service Orientation	English Language, Clerical, Customer and Personal Service	Moderate-term on-the-job training	\$28,070	Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints.	1,235
Dental Assistants	Active Listening, Reading Comprehension, Social Perceptiveness	Clerical, Customer and Personal Service, Medicine and Dentistry	Moderate-term on-the-job training	\$26,130	Assist dentist, set up patient and equipment, and keep records.	160
Home Health Aides	Active Listening, Coordination, Reading Comprehension	Customer and Personal Service, English Language, Medicine and Dentistry	Short-term on-the-job training	\$17,020	Provide routine, personal healthcare, such as bathing, dressing, or grooming, to elderly, convalescent, or disabled persons in the home of patients or in a residential care facility.	545
Medical Assistants	Active Listening, Reading Comprehension, Speaking	Clerical, Customer and Personal Service, Medicine and Dentistry	Moderate-term on-the-job training	\$24,150	Perform administrative and certain clinical duties under the direction of physician.	315
Pharmacy Technicians	Active Listening, Instructing, Service Orientation	Chemistry, Customer and Personal Service, Mathematics	Moderate-term on-the-job training	\$23,380	Prepare medications under the direction of a pharmacist.	375
Team Assemblers	Instructing, Learning Strategies, Quality Control Analysis	Education and Training, Mechanical, Production and Processing	Moderate-term on-the-job training	\$28,480	Work as part of a team having responsibility for assembling an entire product or component of a product.	1,640
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Active Listening, Reading Comprehension, Equipment Maintenance	Mechanical, Production and Processing, Public Safety and Security	Moderate-term on-the-job training	\$43,270	Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies.	175

* To receive the most recent wage data, go to <http://dir.alabama.gov/lmi>.