

DEMAND OCCUPATIONS

Occupation	Skills	Knowledge	Typical Education Needed for Entry	Average Annual Salary 2010*	Job Description	Average Annual Job Openings 2010-2020
The developed talents that appear in occupations requiring a doctoral or professional degree						
Anesthesiologists	Critical Thinking, Active Listening, Judgment & Decision Making	Medicine & Dentistry, Biology, English Language	Doctoral or professional degree	\$251,470	Physicians who administer anesthetics prior to, during, or after surgery or other medical procedures.	50
Dentists, General	Critical Thinking, Active Listening, Judgment & Decision Making	Medicine & Dentistry, Customer & Personal Service, Biology	Doctoral or professional degree	\$205,130	Examine, diagnose, treat diseases, injuries & malformations of the teeth & gums. May fit dental appliances or provide preventative care.	90
Family & General Practitioners	Critical Thinking, Active Listening, Judgment & Decision Making	Medicine & Dentistry, Psychology, Customer & Personal Service	Doctoral or professional degree	\$176,950	Physicians who diagnose, treat, & help prevent diseases & injuries that commonly occur in the general population. May refer patients to specialists when needed for further diagnosis or treatment.	55
Medical & Public Health Social Workers	Active Listening, Social Perceptiveness, Speaking	Psychology, Therapy & Counseling, Sociology & Anthropology	Master's degree	\$41,770	Provide individuals, families, & groups with the psychosocial support needed to cope with chronic, acute, or terminal illnesses.	160
Occupational Therapists	Active Listening, Reading Comprehension, Speaking	Therapy & Counseling, Psychology, Education & Training	Master's degree	\$65,350	Assess, plan, organize, & participate in rehabilitative programs that help build or restore vocational, homemaking, & daily living skills, as well as general independence, to persons with disabilities or developmental delays.	65
Pharmacists	Active Listening, Reading Comprehension, Active Learning	Chemistry, Medicine & Dentistry, English Language	Doctoral or professional degree	\$119,810	Dispense drugs prescribed by physicians & other health practitioners & provide information to patients about medications & their use. May advise physicians & other health practitioners on the selection, dosage, interactions, & side effects of medications.	205
Physical Therapists	Active Listening, Reading Comprehension, Speaking	Medicine & Dentistry, Therapy & Counseling, Customer & Personal Service	Doctoral or professional degree	\$80,180	Assess, plan, organize, & participate in rehabilitative programs that improve mobility, relieve pain, increase strength, & improve or correct disabling conditions resulting from disease or injury.	110
Physician Assistants	Active Listening, Critical Thinking, Monitoring	Medicine & Dentistry, Biology, Psychology	Master's degree	\$77,230	Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct complete physicals, provide treatment, & counsel patients. May, in some cases, prescribe medication.	40
Rehabilitation Counselors	Active Listening, Social Perceptiveness, Speaking	Therapy & Counseling, Customer & Personal Service, Psychology	Master's degree	\$38,060	Counsel individuals to maximize the independence & employability of persons coping with personal, social, & vocational difficulties that result from birth defects, illness, disease, accidents, or the stress of daily life. Coordinate activities for residents of care & treatment facilities.	90
Surgeons	Active Listening, Complex Problem Solving, Critical Thinking	Medicine & Dentistry, Customer & Personal Service, English Language	Doctoral or professional degree	\$248,060	Physicians who treat diseases, injuries, & deformities by invasive, minimally-invasive, or non-invasive surgical methods, such as using instruments, appliances, or by manual manipulation	40
The developed talents that appear in occupations requiring a bachelor's degree						
Architects, Except Landscape & Naval	Active Listening, Complex Problem Solving, Critical Thinking	Design, Building & Construction, Engineering & Technology	Bachelor's degree	\$78,980	Plan & design structures, such as private residences, office buildings, theaters, factories, & other structural property.	70
Computer & Information Systems Managers	Reading Comprehension, Active Listening, Critical Thinking	Computers & Electronics, Administration & Management, Customer & Personal Service	Bachelor's degree	\$111,260	Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, & computer programming.	90
Computer Systems Analysts	Critical Thinking, Active Listening, Reading Comprehension	Computers & Electronics, English Language, Customer & Personal Service	Bachelor's degree	\$79,310	Analyze science, engineering, business, & other data processing problems to implement & improve computer systems. Analyze user requirements, procedures, & problems to automate or improve existing systems & review computer system capabilities, workflow, & scheduling limitations.	320
Cost Estimators	Mathematics, Critical Thinking, Speaking	Mathematics, Engineering & Technology, English Language	Bachelor's degree	\$55,720	Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or determining price of product or service.	110
Database Administrators	Complex Problem Solving, Critical Thinking, Monitoring	Computer & Electronics, Customer & Personal Service, English Language	Bachelor's degree	\$64,650	Administer, test, & implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases.	55
Management Analysts	Active Listening, Reading Comprehension, Speaking	Customer & Personal Service, Administration & Management, English Language	Bachelor's degree	\$88,210	Conduct organizational studies & evaluations, design systems & procedures, conduct work simplification & measurement studies, & prepare operations & procedures manuals to assist management in operating more efficiently & effectively.	295
Mechanical Engineers	Complex Problem Solving, Critical Thinking, Active Listening	Engineering & Technology, Design, Mechanical	Bachelor's degree	\$82,590	Assess, plan, organize, & participate in rehabilitative programs that help build or restore vocational, homemaking, & daily living skills, as well as general independence, to persons with disabilities or developmental delays.	180
Medical & Health Services Managers	Reading Comprehension, Speaking, Active Listening	Administration & Management, Customer & Personal Service, English Language	Bachelor's degree	\$88,340	Plan, direct, or coordinate medical & health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.	120
Network & computer systems architects & administrators	Critical Thinking, Reading Comprehension, Systems Analysis	Computer & Electronics, English Language, Mathematics	Bachelor's degree	\$66,930	Install, configure, & support an organization's local area network (LAN), wide area network (WAN), & Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users.	180
Personal Financial Advisors	Active Listening, Critical Thinking, Judgment & Decision Making	Customer & Personal Service, Economics & Accounting, English Language	Bachelor's degree	\$92,590	Assess, plan, organize, & participate in rehabilitative programs that improve mobility, relieve pain, increase strength, & improve or correct disabling conditions resulting from disease or injury.	75
Public Relations Specialists	Speaking, Active Listening, Critical Thinking	Communications & Media, English Language, Sales & Marketing	Bachelor's degree	\$46,650	Engage in promoting or creating an intended public image for individuals, groups, or organizations. May write or select material for release to various communications media.	195
Social & Community Service Managers	Active Listening, Speaking, Time Management	Customer & Personal Service, Administration & Management, English Language	Bachelor's degree	\$60,510	Plan, direct, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget & policies regarding participant involvement, program requirements, & benefits.	70
Software Developers, Applications	Complex Problem Solving, Programming, Systems Analysis	Computers & Electronics, Mathematics, English Language	Bachelor's degree	\$87,400	Develop, create, & modify general computer applications software or specialized utility programs. Analyze user needs & develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency.	155
Software Developers, Systems Software	Critical Thinking, Active Listening, Programming	Computers & Electronics, Engineering & Technology, English Language	Bachelor's degree	\$90,950	Research, design, develop, & test operating systems-level software, compilers, & network distribution software for medical, industrial, military, communications, aerospace, business, scientific, & general computing applications. Set operational specifications & formulate & analyze software requirements.	230
Training & Development Specialists	Speaking, Instructing, Learning Strategies	Education & Training, English Language, Customer & Personal Services	Bachelor's degree	\$54,230	Design & conduct training & development programs to improve individual & organizational performance. May analyze training needs.	105
The developed talents that appear in occupations associate's degree, postsecondary non-degree award, & some college, no degree						
Computer Support Specialists	Active Listening, Speaking, Reading Comprehension	Computers & Electronics, Customer & Personal Service, English Language	Some college, no degree	\$44,680	Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, or via telephone or electronically. May provide assistance concerning the use of computer hardware & software, including printing, installation, word processing, electronic mail, & operating systems.	280
Dental Assistants	Speaking, Active Listening, Reading Comprehension	Medicine & Dentistry, Customer & Personal Service, English Language	Postsecondary non-degree award	\$29,290	Assist dentist, set up equipment, prepare patient for treatment, & keep records.	165
Dental Hygienists	Active Listening, Speaking, Critical Thinking	Medicine & Dentistry, Customer & Personal Service, English Language	Associate's degree	\$44,900	Clean teeth & examine oral areas, head, & neck for signs of oral disease. May educate patients on oral hygiene, take & develop x rays, or apply fluoride or sealants.	195
Diagnostic Medical Sonographers	Speaking, Active Listening, Reading Comprehension	Customer & Personal Service, Medicine & Dentistry, Physics	Associate's degree	\$49,910	Produce ultrasonic recordings of internal organs for use by physicians.	60
Heating, Air Conditioning, & Refrigeration Mechanics	Installation, Troubleshooting, Repairing	Mechanical, Customer & Personal Service, Mathematics	Postsecondary non-degree award	\$37,910	Install, service, or repair heating & air conditioning systems in residences or commercial establishments.	200
Licensed Practical & Licensed Vocational Physical Therapist Assistants	Active Listening, Speaking, Critical Thinking	Medicine & Dentistry, Customer & Personal Service, Psychology	Postsecondary non-degree award	\$34,430	Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, & similar institutions. May work under the supervision of a physical therapist.	805
Physical Therapist Assistants	Speaking, Active Listening, Social Perceptiveness	Customer & Personal Service, Therapy & Counseling, Medicine & Dentistry	Associate's degree	\$50,410	Assist physical therapists in providing physical therapy treatments & procedures. Assist in the development of treatment plans, carry out routine functions, document the progress of treatment, & modify specific treatments in accordance with patient status & within the scope of treatment plans established by a physical therapist.	95
Radiologic Technologists & Technicians	Speaking, Active Listening, Operation & Control	Customer & Personal Service, English Language, Medicine & Dentistry	Associate's degree	\$45,350	Take x rays & CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Includes technologists who specialize in other scanning modalities.	150
Registered Nurses	Social Perceptiveness, Active Listening, Coordination	Medicine & Dentistry, Customer & Personal Service, Psychology	Associate's degree	\$57,840	Assess patient health problems & needs, develop & implement nursing care plans, & maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients.	1,990
The developed talents that appear in occupations requiring high school diploma or less						
First-Line Supervisors/Managers of Helpers, Laborers, & Home Health Aides	Active Listening, Critical Thinking, Speaking	Administration & Management, Customer & Personal Service, Production & Processing	High school diploma or equivalent	\$42,530	Directly supervise & coordinate the activities of helpers, laborers, or material movers.	135
Home Health Aides	Active Listening, Service Orientation, Critical Thinking	Psychology, Medicine & Dentistry, Public Safety & Security	Less than high school	\$18,910	Provide routine individualized healthcare such as changing bandages & dressing wounds, & applying topical medications to the elderly, convalescents, or persons with disabilities at the patient's home or in a care facility. Monitor or report changes in health status.	935
Industrial Machinery Mechanics	Repairing, Equipment Maintenance, Operation Monitoring	Mechanical, Mathematics, Engineering & Technology	High school diploma or equivalent	\$47,300	Repair, install, adjust, or maintain industrial production & processing machinery or refinery & pipeline distribution systems.	325
Medical Assistants	Active Listening, Speaking, Social Perceptiveness	English Language, Medicine & Dentistry, Customer & Personal Service	High school diploma or equivalent	\$25,060	Perform administrative & certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, & coding information for insurance purposes.	340
Medical Secretaries	Active Listening, Service Orientation, Speaking	Customer & Personal Service, Clerical, English Language	High school diploma or equivalent	\$17,990	Perform secretarial duties using specific knowledge of medical terminology & hospital, clinic, or laboratory procedures.	215
Personal & Home Care Aides	Service Orientation, Active Listening, Social Perceptiveness	Customer & Personal Service, Public Safety & Security, English Language	Less than high school	\$17,990	Assist the elderly, convalescents, or persons with disabilities with daily living activities at the person's home or in a care facility. Duties performed at a place of residence may include keeping house & preparing meals.	330

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