

Why Are We Hot?

Alabama's High Demand Occupations & Career Planning



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Alabama Department of Labor

Services We Provide

1

Provide employment information by industry, occupation and geographic area

2

Provide unemployment historical and current data trends

3

Provide career-planning information to assist in making well-informed career decisions

4

Provide job search links to assist in job search efforts

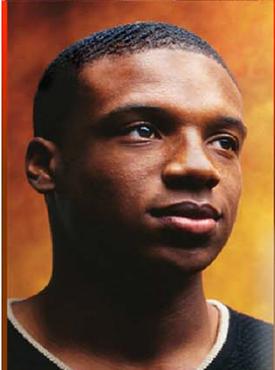
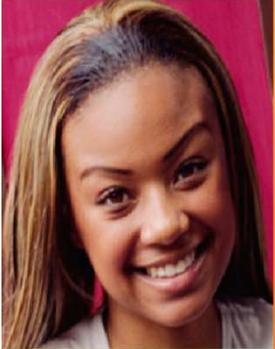
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Provide skills analysis, education and training information for job searches and career planning

6

Provide information regarding wages, high demand, fast growing and high technical occupations

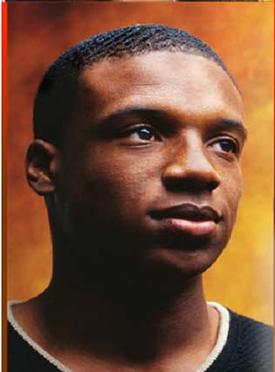




Topics of Discussion



- ✓ **Top 40 High Demand Occupations**
- ✓ **Statewide & Regional High Demand Occupations**
*2010-2020 Alabama Occupational Projections
- ✓ **Criteria to Determine High Demand Occupations**
- ✓ **Knowledge and Skills**
- ✓ **Education and Training**
- ✓ **Average Openings and Salaries**



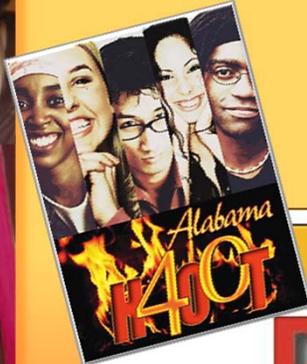
Questions to answer before choosing a career

- What are the high demand jobs in Alabama or my area?
- What does the career I'm interested in pay?
- How many job openings will there be when I'm ready to seek a job?
- What does a person in a particular career actually do?

Labor Market Information Division Website

www.labor.alabama.gov/lmi

Alabama's Hot 40 Jobs



ALABAMA'S HOT 40

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	\$38,080	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	\$248,080	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

Top 40 High Demand Occupations

Criteria to Determine High Demand Occupations



All occupations were weighted based on the following criterion:

1

Average Annual Growth

2

Average Job Openings

3

Average Annual Salary



High Demand occupations were ranked by Statewide and each Workforce Development Regions.



High Demand occupations within the Workforce Development Regions reflect their demographic laborforce characteristics.

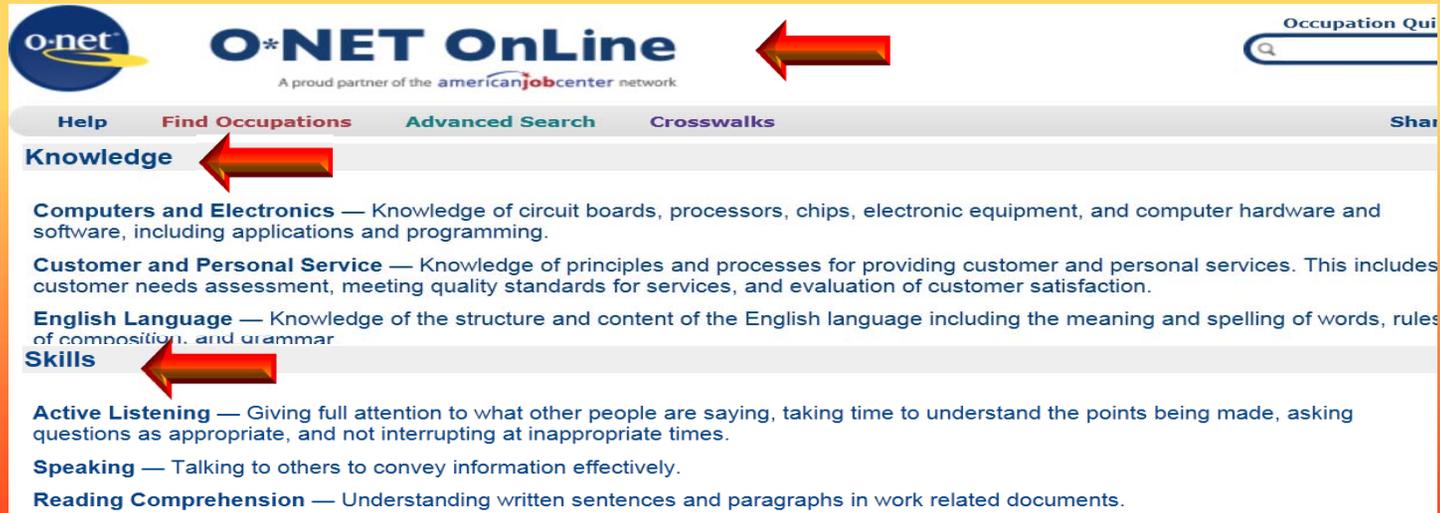


High Demand occupations are also categorized by education level of workers with associate degrees and under.

Labor Market Information Division Website

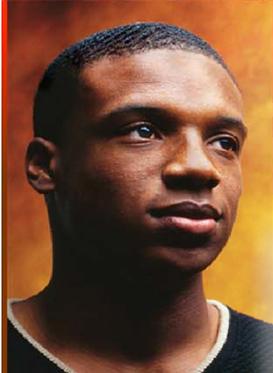
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Knowledge & Skills



The screenshot shows the O*NET OnLine website interface. At the top, there is a navigation bar with links for Help, Find Occupations, Advanced Search, Crosswalks, and Share. Below this, the 'Knowledge' section is highlighted with a red arrow pointing to it. Under 'Knowledge', three categories are listed: 'Computers and Electronics', 'Customer and Personal Service', and 'English Language'. Below the 'Knowledge' section, the 'Skills' section is also highlighted with a red arrow. Under 'Skills', three categories are listed: 'Active Listening', 'Speaking', and 'Reading Comprehension'.

- Knowledge & Skill statements are adapted from O*Net Online Resource Center.
- The Hot 40 list reflect the top 3 knowledge or skill statements needed to successfully gain competency in the specified occupation.
- O*Net Website is www.onetonline.org



Labor Market Information Division Website

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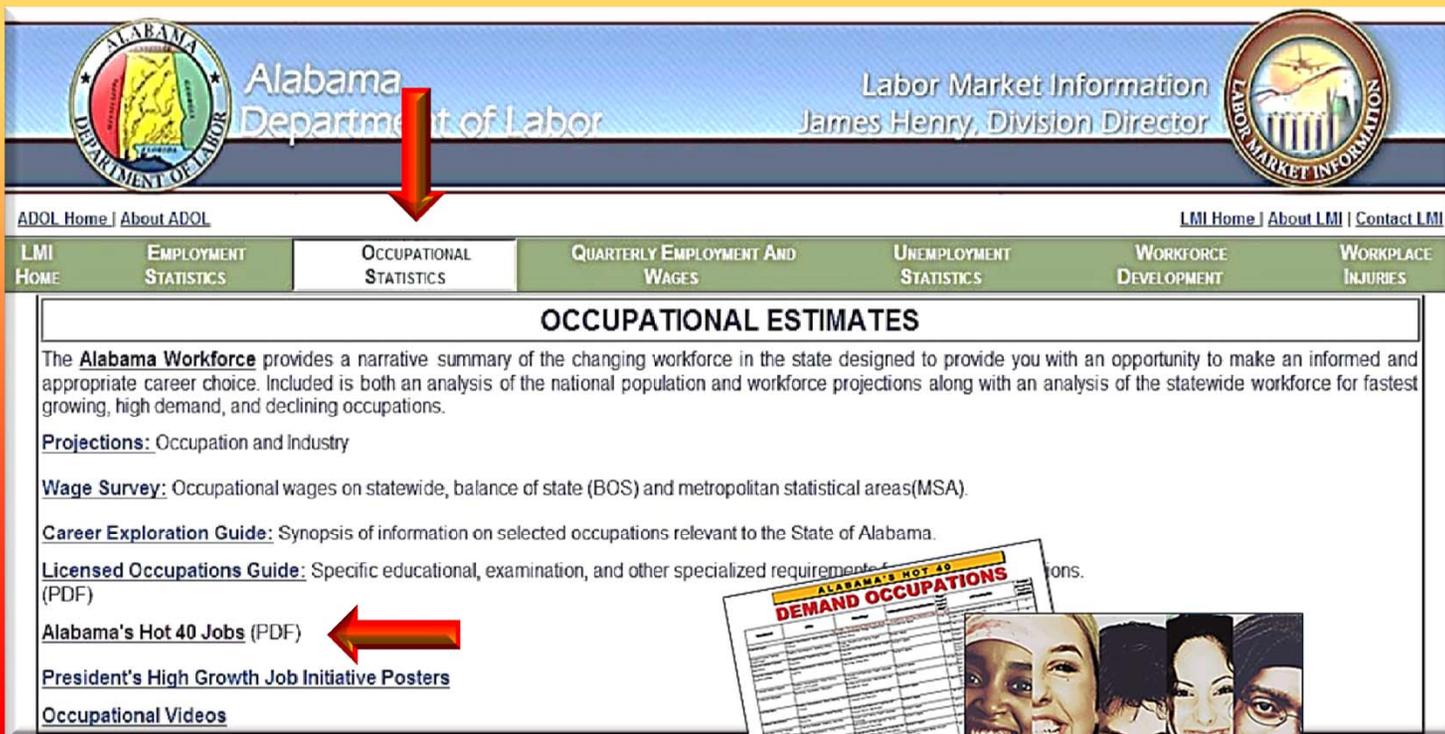
Education & Training

- New education and training classification system adapted from the Division of Occupation Outlook, Bureau of Labor Statistics using projected period 2010-2020
- Classifications assigned to 750 occupations:
 - ❑ **Typical Education** needed to enter the profession
 - ❑ **Work experience** needed at entry into the profession
 - ❑ **On-the-Job training** needed to attain competency in the occupation
 - *Internship/residency-preparation* is generally under supervision in a professional setting, in field such as medicine or teaching. Normally licensed occupations
 - *Apprenticeship* is a formal relationship between worker and sponsor. Typical program lasts 3-5 years, Combination of OJT and related occupation-specific technical instruction

Labor Market Information Division Website

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Alabama's Hot 40 Jobs



Alabama Department of Labor Labor Market Information James Henry, Division Director

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OCCUPATIONAL ESTIMATES

The **Alabama Workforce** provides a narrative summary of the changing workforce in the state designed to provide you with an opportunity to make an informed and appropriate career choice. Included is both an analysis of the national population and workforce projections along with an analysis of the statewide workforce for fastest growing, high demand, and declining occupations.

Projections: Occupation and Industry

Wage Survey: Occupational wages on statewide, balance of state (BOS) and metropolitan statistical areas(MSA).

Career Exploration Guide: Synopsis of information on selected occupations relevant to the State of Alabama.

Licensed Occupations Guide: Specific educational, examination, and other specialized requirements for various occupations. (PDF)

Alabama's Hot 40 Jobs (PDF) ←

President's High Growth Job Initiative Posters

Occupational Videos



Labor Market Information Division Website

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Occupational Projections

Alabama 2011 Workforce Development Regions



Labor Market Information Division Website

www.labor.alabama.gov/lmi

Occupational Projections

Area	Estimated 2010 Employment	Projected 2020 Employment	Avg Annual Growth Rate (%)	Net Change	Avg Annual Total Openings	Openings Due to Growth	Openings Due to Replacement
Statewide	2,048,570	2,330,960	1.30	282,390	77,390	29,115	48,275
WDR Region 1	97,130	106,790	0.95	9,660	3,340	1,040	2,300
WDR Region 2	395,680	454,790	1.40	59,110	15,340	6,145	9,200
WDR Region 3	117,040	133,210	1.30	16,170	4,415	1,680	2,735
WDR Region 4	524,180	597,820	1.32	73,640	19,835	7,565	12,270
WDR Region 5	156,470	167,580	0.69	11,110	5,005	1,305	3,700
WDR Region 6	33,650	34,480	0.24	830	955	175	780
WDR Region 7	194,770	225,030	1.45	30,260	7,670	3,105	4,565
WDR Region 8	86,230	101,700	1.66	15,470	3,645	1,570	2,075
WDR Region 9	300,060	351,600	1.60	51,540	12,440	5,240	7,200
WDR Region 10	143,360	157,980	0.98	14,620	5,035	1,605	3,430

DETAILED OCCUPATIONAL PROJECTIONS BY AREA

Workforce Development Region 1

- SELECT Region**
- Statewide
- Workforce Development Region 1
- Workforce Development Region 2
- Workforce Development Region 3
- Workforce Development Region 4
- Workforce Development Region 5
- Workforce Development Region 6
- Workforce Development Region 7
- Workforce Development Region 8
- Workforce Development Region 9
- Workforce Development Region 10

NOTES: Totals in some occupational groups may not add due to projected (2020) years or where publication of the occupation was delayed. Openings are rounded to the nearest 5. Data provided by the Alabama Department of Labor and the U.S. Bureau of Labor Statistics.

occupations with employment of less than 10 in the base (2010) and rounded to the nearest 10. Average Annual Growth is compounded and information Division in cooperation with the Projections Managing Partnership

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The free Acrobat Reader is required to view online PDF documents.

Labor Market Information Division Website

www.labor.alabama.gov/lmi

Occupational Projections

Workforce Development Region 7 Occupational Projections 2010-2020

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[Top 40 High Demand Occupations](#)



[High Demand Occupations, Assoc. Degree and Under](#)

[Selected Declining Occupations](#)

[Growth by Education Charts](#)

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Occupational Projections

Region 7 High Demand Occupations 2010-2020

SOC	Occupations	Employment		Percent Change (%)	Average Annual		
		2010	2020		Growth (%)	Openings	Salary (\$)
131111	Management Analysts	630	950	50.79	4.19	40	68,532
151132	Software Developers, Applications	290	420	44.83	3.77	15	81,258
151121	Computer Systems Analysts	1,060	1,400	32.08	2.82	55	73,778
151133	Software Developers, Systems Software	180	270	50.00	4.14	10	78,350
151142	Network and computer systems architects and administrators	380	520	36.84	3.19	20	64,920
151150	Computer Support Specialists	630	900	42.86	3.63	45	44,986
291111	Registered Nurses	3,590	4,570	27.30	2.44	165	58,248
172011	Aerospace Engineers	***	***	60.00	4.81	5	102,909
171011	Architects, Except Landscape and Naval	100	150	50.00	4.14	5	106,636
291123	Physical Therapists	170	240	41.18	3.51	10	80,271
291051	Pharmacists	390	490	25.64	2.31	20	119,512
312021	Physical Therapist Assistants	140	200	42.86	3.63	10	55,344
292021	Dental Hygienists	230	330	43.48	3.68	15	43,367
291131	Veterinarians	110	150	36.36	3.15	5	88,945
211022	Medical and Public Health Social Workers	230	330	43.48	3.68	15	40,370
132052	Personal Financial Advisors	180	240	33.33	2.92	10	112,482
512092	Team Assemblers	4,840	6,170	27.48	2.46	230	41,235

Average Annual Job Openings Projected

Average Annual Salary

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Region 7 High Demand Occupations 2010-2020
Associate Degree and Under

SOC	Occupation	Employment		Percent Change	Average Annual		
		2010	2020		Growth	Openings	Salary
291111	Registered Nurses	3,590	4,570	27.30	2.44	165	\$58,248
151150	Computer Support Specialists	630	900	42.86	3.63	45	\$44,986
312021	Physical Therapist Assistants	140	200	42.86	3.63	10	\$55,344
512092	Team Assemblers	4,840	6,170	27.48	2.46	230	\$41,235
292021	Dental Hygienists	230	330	43.48	3.68	15	\$43,367
499041	Industrial Machinery Mechanics	380	480	26.32	2.36	15	\$49,468
471011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	1,020	1,230	20.59	1.89	45	\$50,775
499021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	430	550	27.91	2.49	20	\$42,409
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,260	1,490	18.25	1.69	55	\$57,094
292037	Radiologic Technologists and Technicians	330	420	27.27	2.44	15	\$45,043
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	280	360	28.57	2.54	15	\$42,816
292061	Licensed Practical and Licensed Vocational Nurses	1,310	1,650	25.95	2.33	70	\$35,549
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	2,470	2,900	17.41	1.62	110	\$49,353
532012	Commercial Pilots	60	80	33.33	2.92	5	\$91,523
132072	Loan Officers	410	490	19.51	1.80	20	\$53,802
413021	Insurance Sales Agents	400	480	20.00	1.84	15	\$60,518
514041	Machinists	530	700	32.08	2.82	25	\$33,598

Average Annual Job Openings Projected

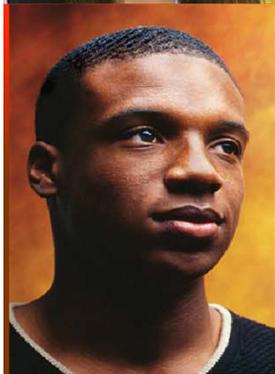
Average Annual Salary



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Occupational Videos



Alabama Department of Labor
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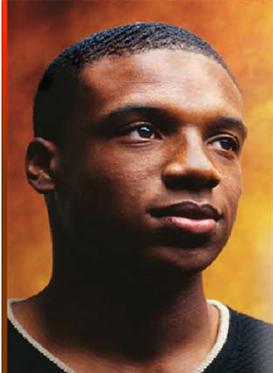
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Considerations When Selecting an Occupation or Career

- **Statewide Job Availability vs. Regional Job Availability**
- **Willingness to relocate or commute farther for better jobs**
- **Short-term and Long-term goals**
- **Current work skills and education**
- **Willingness to complete education and training programs**
- **Transportation**

Success in Making the Right Career Choice



Self-
Assessment



Research the
Labor Market



Complete
Education and
Training



**Ready to utilize job search
services and obtain
employment!**

QUESTIONS





THANK YOU!