

Smart Careers in Northeast Alabama 2010-2020

SOC Code*	Occupation**	2010 Jobs	2020 Jobs	Annual Openings	2011 Median Hourly Wage	2011 Median Annual Wage	Education Level
13-2011	Accountants and auditors	3,257	3,904	121	\$23.21	\$48,277	Bachelor's degree
11-3011	Administrative services managers	270	319	11	\$32.62	\$67,850	Degree plus work experience
17-2011	Aerospace engineers	2,100	2,568	91	\$50.65	\$105,352	Bachelor's degree
51-2011	Aircraft structure, surfaces, rigging, and systems assemblers	300	325	11	\$16.93	\$35,214	Long-term on-the-job training
17-1011	Architects, except landscape and naval	403	444	12	\$21.08	\$43,846	Bachelor's degree
17-3011	Architectural and civil drafters	340	373	11	\$16.19	\$33,675	Postsecondary vocational award
49-3021	Automotive body and related repairers	463	520	18	\$16.46	\$34,237	Long-term on-the-job training
49-3023	Automotive service technicians and mechanics	2,447	2,573	67	\$15.83	\$32,926	Postsecondary vocational award
19-4021	Biological technicians	267	288	12	\$18.04	\$37,523	Associate's degree
47-2021	Brickmasons and blockmasons	475	626	30	\$16.11	\$33,509	Long-term on-the-job training
13-2031	Budget analysts	493	591	19	\$34.35	\$71,448	Bachelor's degree
49-3031	Bus and truck mechanics and diesel engine specialists	748	802	24	\$15.71	\$32,677	Postsecondary vocational award
13-1199	Business operation specialists, all other	2,862	3,191	100	\$36.69	\$76,315	Bachelor's degree
17-2041	Chemical engineers	402	454	16	\$39.43	\$82,014	Bachelor's degree
11-1011	Chief executives	1,358	1,517	55	\$42.34	\$88,067	Degree plus work experience
21-1021	Child, family, and school social workers	700	811	29	\$17.92	\$37,274	Bachelor's degree
17-3022	Civil engineering technicians	604	758	27	\$21.27	\$44,242	Associate's degree
17-2051	Civil engineers	1,602	2,135	82	\$38.86	\$80,829	Bachelor's degree
19-3031	Clinical, counseling, and school psychologists	398	503	22	\$21.11	\$43,909	Doctoral degree
13-1072	Compensation, benefits, and job analysis specialists	187	243	11	\$18.99	\$39,499	Bachelor's degree
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	405	523	16	\$22.72	\$47,258	Long-term on-the-job training
15-1011	Computer and information scientists, research	526	590	19	\$48.00	\$99,840	Doctoral degree
11-3021	Computer and information systems managers	727	840	24	\$46.90	\$97,552	Degree plus work experience
17-2061	Computer hardware engineers	863	920	31	\$46.92	\$97,594	Bachelor's degree
15-1021	Computer programmers	1,544	1,467	32	\$32.70	\$68,016	Bachelor's degree
15-1031	Computer software engineers, applications	1,531	1,943	55	\$40.65	\$84,552	Bachelor's degree
15-1032	Computer software engineers, systems software	3,360	4,174	110	\$43.05	\$89,544	Bachelor's degree
15-1099	Computer specialists, all other	853	928	27	\$40.78	\$84,822	Associate's degree
15-1041	Computer support specialists	1,665	1,944	75	\$18.07	\$37,586	Associate's degree
15-1051	Computer systems analysts	2,290	2,676	90	\$33.53	\$69,742	Bachelor's degree
47-4011	Construction and building inspectors	598	768	29	\$20.69	\$43,035	Work experience in a related field
11-9021	Construction managers	2,580	2,743	46	\$16.09	\$33,467	Bachelor's degree
13-1051	Cost estimators	551	688	27	\$21.21	\$44,117	Work experience in a related field
53-7021	Crane and tower operators	227	270	10	\$17.95	\$37,336	Long-term on-the-job training
15-1061	Database administrators	350	426	14	\$28.71	\$59,717	Bachelor's degree
29-2021	Dental hygienists	566	755	31	\$20.96	\$43,597	Associate's degree
51-9081	Dental laboratory technicians	369	435	14	\$14.95	\$31,096	Long-term on-the-job training
43-5032	Dispatchers, except police, fire, and ambulance	480	489	12	\$15.41	\$32,053	Moderate-term on-the-job training
11-9032	Education administrators, elementary and secondary school	589	666	26	\$44.73	\$93,038	Degree plus work experience
11-9033	Education administrators, postsecondary	302	342	13	\$36.38	\$75,670	Degree plus work experience
21-1012	Educational, vocational, and school counselors	520	615	21	\$22.35	\$46,488	Master's degree

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17-3023	Electrical and electronic engineering technicians	870	892	20	\$20.33	\$42,286	Associate's degree
17-2071	Electrical engineers	1,403	1,525	46	\$41.71	\$86,757	Bachelor's degree
49-9051	Electrical power-line installers and repairers	643	844	45	\$23.14	\$48,131	Long-term on-the-job training
47-2111	Electricians	1,738	1,549	44	\$16.05	\$33,384	Long-term on-the-job training
17-2072	Electronics engineers, except computer	1,376	1,451	41	\$45.61	\$94,869	Bachelor's degree
25-2021	Elementary school teachers, except special education	5,185	6,231	227	\$29.18	\$60,694	Bachelor's degree
13-1071	Employment, recruitment, and placement specialists	589	827	40	\$19.94	\$41,475	Bachelor's degree
11-9041	Engineering managers	1,128	1,317	42	\$55.27	\$114,962	Degree plus work experience
17-3029	Engineering technicians, except drafters, all other	640	701	19	\$23.69	\$49,275	Associate's degree
17-2199	Engineers, all other	3,006	3,432	107	\$49.94	\$103,875	Bachelor's degree
17-3025	Environmental engineering technicians	215	282	11	\$17.71	\$36,837	Associate's degree
17-2081	Environmental engineers	454	590	23	\$44.24	\$92,019	Bachelor's degree
43-6011	Executive secretaries and administrative assistants	2,051	2,417	65	\$17.61	\$36,629	Moderate-term on-the-job training
51-9041	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	596	764	31	\$15.87	\$33,010	Moderate-term on-the-job training
13-2051	Financial analysts	434	610	26	\$15.07	\$31,346	Bachelor's degree
11-3031	Financial managers	1,159	1,410	47	\$33.52	\$69,722	Degree plus work experience
33-2011	Fire fighters	808	1,018	46	\$17.31	\$36,005	Long-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	2,515	2,811	86	\$19.37	\$40,290	Work experience in a related field
33-1021	First-line supervisors/managers of fire fighting and prevention workers	161	188	11	\$27.50	\$57,200	Work experience in a related field
53-1021	First-line supervisors/managers of helpers, laborers, and material movers, hand	515	560	14	\$19.18	\$39,894	Work experience in a related field
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	1,383	1,494	49	\$24.00	\$49,920	Work experience in a related field
41-1012	First-line supervisors/managers of non-retail sales workers	2,438	2,789	89	\$17.48	\$36,358	Work experience in a related field
43-1011	First-line supervisors/managers of office and administrative support workers	3,808	4,448	150	\$19.98	\$41,558	Work experience in a related field
51-1011	First-line supervisors/managers of production and operating workers	2,952	3,074	64	\$21.98	\$45,718	Work experience in a related field
53-1031	First-line supervisors/managers of transportation and material-moving machine and vehicle operators	465	476	10	\$20.74	\$43,139	Work experience in a related field
11-1021	General and operations managers	6,127	6,360	207	\$39.17	\$81,474	Degree plus work experience
27-1024	Graphic designers	741	896	38	\$16.53	\$34,382	Bachelor's degree
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	809	878	22	\$15.90	\$33,072	Long-term on-the-job training
43-4161	Human resources assistants, except payroll and timekeeping	532	514	16	\$15.68	\$32,614	Short-term on-the-job training
13-1079	Human resources, training, and labor relations specialists, all other	842	983	37	\$28.64	\$59,571	Bachelor's degree
17-3026	Industrial engineering technicians	414	473	14	\$21.80	\$45,344	Associate's degree
17-2112	Industrial engineers	1,166	1,466	61	\$35.85	\$74,568	Bachelor's degree
49-9041	Industrial machinery mechanics	1,766	1,968	55	\$19.85	\$41,288	Long-term on-the-job training
11-3051	Industrial production managers	509	522	21	\$36.87	\$76,690	Work experience in a related field
43-4199	Information and record clerks, all other	621	536	17	\$18.09	\$37,627	Short-term on-the-job training
25-9031	Instructional coordinators	211	268	11	\$29.47	\$61,298	Master's degree
41-3021	Insurance sales agents	1,344	1,463	47	\$16.19	\$33,675	Bachelor's degree
25-2012	Kindergarten teachers, except special education	691	816	27	\$29.95	\$62,296	Bachelor's degree
23-1011	Lawyers	1,027	1,132	32	\$37.28	\$77,542	First professional degree
25-4021	Librarians	347	391	14	\$25.17	\$52,354	Master's degree
29-2061	Licensed practical and licensed vocational nurses	2,078	2,562	115	\$16.14	\$33,571	Postsecondary vocational award
13-2072	Loan officers	842	1,083	34	\$23.36	\$48,589	Bachelor's degree
45-4022	Logging equipment operators	286	341	14	\$21.05	\$43,784	Moderate-term on-the-job training

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13-1081	Logisticians	2,258	2,715	97	\$39.18	\$81,494	Bachelor's degree
51-4041	Machinists	1,903	2,068	43	\$16.20	\$33,696	Long-term on-the-job training
49-9042	Maintenance and repair workers, general	3,577	4,093	110	\$15.25	\$31,720	Moderate-term on-the-job training
13-1111	Management analysts	2,951	3,749	132	\$28.68	\$59,654	Degree plus work experience
19-3021	Market research analysts	338	436	19	\$17.36	\$36,109	Bachelor's degree
11-2021	Marketing managers	242	290	10	\$40.03	\$83,262	Degree plus work experience
17-2131	Materials engineers	219	271	10	\$46.91	\$97,573	Bachelor's degree
17-2141	Mechanical engineers	1,497	1,704	60	\$37.96	\$78,957	Bachelor's degree
29-2012	Medical and clinical laboratory technicians	279	331	11	\$15.23	\$31,678	Associate's degree
11-9111	Medical and health services managers	364	442	15	\$29.78	\$61,942	Degree plus work experience
21-1022	Medical and public health social workers	322	409	17	\$19.62	\$40,810	Bachelor's degree
19-1042	Medical scientists, except epidemiologists	242	313	12	\$22.63	\$47,070	Doctoral degree
51-4051	Metal-refining furnace operators and tenders	192	289	14	\$18.26	\$37,981	Moderate-term on-the-job training
25-2022	Middle school teachers, except special and vocational education	1,968	2,378	88	\$29.06	\$60,445	Bachelor's degree
55-9999	Military Occupations	5,432	5,434	128	\$14.92	\$31,034	N/A
51-9023	Mixing and blending machine setters, operators, and tenders	454	534	18	\$15.20	\$31,616	Moderate-term on-the-job training
49-3042	Mobile heavy equipment mechanics, except engines	476	524	14	\$17.45	\$36,296	Postsecondary vocational award
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	402	504	20	\$14.77	\$30,722	Moderate-term on-the-job training
51-4081	Multiple machine tool setters, operators, and tenders, metal and plastic	798	701	18	\$15.85	\$32,968	Moderate-term on-the-job training
15-1071	Network and computer systems administrators	970	1,214	41	\$28.83	\$59,966	Bachelor's degree
15-1081	Network systems and data communications analysts	854	1,197	50	\$24.19	\$50,315	Bachelor's degree
47-2073	Operating engineers and other construction equipment operators	1,321	1,387	35	\$15.58	\$32,406	Moderate-term on-the-job training
15-2031	Operations research analysts	287	348	15	\$45.68	\$95,014	Master's degree
13-2052	Personal financial advisors	1,638	2,366	91	\$14.61	\$30,389	Bachelor's degree
29-1051	Pharmacists	638	791	30	\$54.22	\$112,778	First professional degree
31-2021	Physical therapist assistants	230	327	13	\$21.27	\$44,242	Associate's degree
29-1123	Physical therapists	346	485	18	\$35.61	\$74,069	Master's degree
29-1069	Physicians and surgeons	1,565	1,859	57	\$78.01	\$162,261	First professional degree
47-2151	Pipelayers	289	319	10	\$14.76	\$30,701	Moderate-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	1,329	1,355	36	\$17.01	\$35,381	Long-term on-the-job training
33-3051	Police and sheriff's patrol officers	1,525	1,758	64	\$18.67	\$38,834	Long-term on-the-job training
43-5052	Postal service mail carriers	962	867	31	\$23.09	\$48,027	Short-term on-the-job training
25-1099	Postsecondary teachers	2,261	2,839	98	\$34.60	\$71,968	Doctoral degree
43-5061	Production, planning, and expediting clerks	823	898	29	\$17.91	\$37,253	Short-term on-the-job training
27-3031	Public relations specialists	686	868	35	\$17.92	\$37,274	Bachelor's degree
13-1023	Purchasing agents, except wholesale, retail, and farm products	2,210	2,663	104	\$32.02	\$66,602	Work experience in a related field
11-3061	Purchasing managers	308	340	12	\$44.33	\$92,206	Degree plus work experience
29-2034	Radiologic technologists and technicians	535	643	19	\$21.61	\$44,949	Associate's degree
53-7081	Refuse and recyclable material collectors	436	457	17	\$14.94	\$31,075	Short-term on-the-job training
29-1111	Registered nurses	6,564	8,354	295	\$25.61	\$53,269	Associate's degree
29-1126	Respiratory therapists	236	300	11	\$18.04	\$37,523	Associate's degree
51-4023	Rolling machine setters, operators, and tenders, metal and plastic	228	290	12	\$16.48	\$34,278	Moderate-term on-the-job training
11-2022	Sales managers	573	692	24	\$33.91	\$70,533	Degree plus work experience
41-3099	Sales representatives, services, all other	888	1,043	38	\$17.05	\$35,464	Moderate-term on-the-job training

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41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	3,931	4,279	132	\$20.11	\$41,829	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	807	985	37	\$31.15	\$64,792	Moderate-term on-the-job training
25-2031	Secondary school teachers, except special and vocational education	2,458	2,740	102	\$28.24	\$58,739	Bachelor's degree
47-2211	Sheet metal workers	457	458	13	\$15.06	\$31,325	Long-term on-the-job training
25-2042	Special education teachers, middle school	273	334	13	\$29.88	\$62,150	Bachelor's degree
25-2041	Special education teachers, preschool, kindergarten, and elementary school	337	409	16	\$30.95	\$64,376	Bachelor's degree
25-2043	Special education teachers, secondary school	313	365	14	\$30.87	\$64,210	Bachelor's degree
47-2221	Structural iron and steel workers	278	325	11	\$16.43	\$34,174	Long-term on-the-job training
51-2041	Structural metal fabricators and fitters	462	548	19	\$14.89	\$30,971	Moderate-term on-the-job training
45-1099	Supervisors, farming, fishing, and forestry workers	253	303	12	\$20.28	\$42,182	Work experience in a related field
29-2055	Surgical technologists	371	485	21	\$17.08	\$35,526	Postsecondary vocational award
17-3031	Surveying and mapping technicians	377	459	15	\$15.07	\$31,346	Moderate-term on-the-job training
27-3042	Technical writers	377	427	11	\$25.69	\$53,435	Bachelor's degree
49-2022	Telecommunications equipment installers and repairers, except line installers	682	741	21	\$22.12	\$46,010	Long-term on-the-job training
49-9052	Telecommunications line installers and repairers	452	505	14	\$19.06	\$39,645	Long-term on-the-job training
13-1073	Training and development specialists	567	741	32	\$21.14	\$43,971	Bachelor's degree
53-3032	Truck drivers, heavy and tractor-trailer	6,791	7,740	224	\$16.76	\$34,861	Moderate-term on-the-job training
25-2032	Vocational education teachers, secondary school	474	540	21	\$33.00	\$68,640	Degree plus work experience
51-8031	Water and liquid waste treatment plant and system operators	487	606	23	\$18.72	\$38,938	Long-term on-the-job training

Rev. January 2012

Source: Source: EMSI Complete Employment - 2011.2.

*Standard Occupational Classification (<http://www.bls.gov/SOC/>).

**These occupations are listed alphabetically and were selected by meeting the following criteria: at least 10 annual openings between 2010 and 2020 due to growth and a median salary (hourly rate x 2080) of at least \$30,000.