

Smart Careers in North Alabama 2022-2031

Description	2022 Jobs	2031 Jobs	Avg. Annual Earnings	Entry Level Hourly Earnings	Median Hourly Earnings	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training	Industry Cluster	Pathway
Architecture and Engineering Occupations										
Architects, Except Landscape and Naval	190	210	17	\$31.45	\$38.31	Bachelor's degree	None	Internship/residency	Architecture & Construction	Design/Pre-Construction
Landscape Architects	162	164	12	\$34.19	\$39.47	Bachelor's degree	None	Internship/residency	Architecture & Construction	Design/Pre-Construction
Aerospace Engineers	3,014	3,120	185	\$47.14	\$58.78	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Engineering & Technology
Civil Engineers	1,049	1,218	102	\$36.66	\$52.61	Bachelor's degree	None	None	Architecture & Construction	Design/Pre-Construction
Electrical Engineers	1,957	2,064	143	\$38.93	\$49.71	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Engineering & Technology
Environmental Engineers	124	135	11	\$36.04	\$45.54	Bachelor's degree	None	None	Agriculture, Food & Natural Resources	Environmental Service Systems
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	246	255	17	\$39.59	\$50.09	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Engineering & Technology
Industrial Engineers	1,563	1,714	120	\$37.11	\$46.35	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Engineering & Technology
Materials Engineers	345	364	23	\$38.36	\$50.29	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Engineering & Technology
Mechanical Engineers	1,430	1,499	96	\$36.88	\$46.83	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Engineering & Technology
Mechanical Drafters	143	141	14	\$18.92	\$26.97	Associate's degree	None	None	Manufacturing	Manufacturing Production Process Development
Aerospace Engineering and Operations Technologists and Technicians	418	438	42	\$24.05	\$30.41	Associate's degree	None	None	Manufacturing	Manufacturing Production Process Development
Mechanical Engineering Technologists and Technicians	204	210	20	\$22.06	\$28.66	Associate's degree	None	None	Manufacturing	Manufacturing Production Process Development
Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	374	382	37	\$24.99	\$34.14	Associate's degree	None	None	Architecture & Construction	Design/Pre-Construction

For more information, contact: Huntsville/Madison County Chamber

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Arts, Design, Entertainment, Sports, and Media Occupations										
Commercial and Industrial Designers	101	110	11	\$20.19	\$31.04	Bachelor's degree	None	None	Arts, Audio/Video Technology & Communications	Visual Arts
Graphic Designers	262	280	27	\$18.45	\$30.54	Bachelor's degree	None	None	Arts, Audio/Video Technology & Communications	Visual Arts
Actors	65	90	11	\$16.12	\$27.07	Some college, no degree	None	Long-term on-the-job training	Marketing	Merchandising
Public Relations Specialists	289	314	30	\$23.82	\$32.91	Bachelor's degree	None	None	Marketing	Marketing Communications
Technical Writers	293	302	27	\$27.90	\$33.33	Bachelor's degree	Less than 5 years	Short-term on-the-job training	Arts, Audio/Video Technology & Communications	Journalism & Broadcasting
Business and Financial Operations Occupations										
Compliance Officers	359	381	31	\$22.81	\$38.65	Bachelor's degree	None	Moderate-term on-the-job training	Government & Public Administration	Governance
Cost Estimators	354	367	34	\$26.57	\$31.75	Bachelor's degree	None	Moderate-term on-the-job training	Architecture & Construction	Design/Pre-Construction
Human Resources Specialists	1,327	1,370	133	\$23.60	\$31.90	Bachelor's degree	None	None	Business Management & Administration	Human Resources Management
Logisticians	2,824	3,081	286	\$39.36	\$48.28	Bachelor's degree	None	None	Transportation, Distribution & Logistics	Logistics Planning & Management Services
Management Analysts	2,080	2,265	218	\$37.07	\$47.97	Bachelor's degree	Less than 5 years	None	Business Management & Administration	Operations Management
Training and Development Specialists	608	648	62	\$25.07	\$33.45	Bachelor's degree	Less than 5 years	None	Business Management & Administration	Human Resources Management
Market Research Analysts and Marketing Specialists	790	965	105	\$20.11	\$28.49	Bachelor's degree	None	None	Marketing	Marketing Research
Project Management Specialists and Business Operations Specialists, All Other	2,976	3,117	238	\$39.04	\$49.05	Bachelor's degree	None	None	Marketing	Marketing Research
Accountants and Auditors	2,566	2,634	237	\$25.29	\$32.23	Bachelor's degree	None	None	Finance	Accounting

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Personal Financial Advisors	315	330	25	\$21.37	\$31.44	Bachelor's degree	None	Long-term on-the-job training	Finance	Securities & Investments
Tax Preparers	135	137	15	\$17.95	\$26.62	High school diploma or equivalent	None	Moderate-term on-the-job training	Finance	Business Finance
Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	749	768	60	\$33.77	\$45.10	Bachelor's degree	None	Moderate-term on-the-job training	Finance	Business Finance
Computer and Mathematical Occupations										
Computer Systems Analysts	2,074	2,186	162	\$36.79	\$48.58	Bachelor's degree	None	None	Information Technology	Network Systems
Information Security Analysts	963	1,138	95	\$30.82	\$43.86	Bachelor's degree	Less than 5 years	None	Information Technology	Network Systems
Computer and Information Research Scientists	272	299	23	\$51.74	\$59.45	Master's degree	None	None	Information Technology	Network Systems
Computer Network Architects	1,005	1,008	61	\$42.53	\$52.64	Bachelor's degree	5 years or more	None	Information Technology	Network Systems
Network and Computer Systems Administrators	925	963	66	\$31.89	\$38.67	Bachelor's degree	None	None	Information Technology	Network Systems
Database Administrators and Architects	389	414	32	\$30.59	\$38.73	Bachelor's degree	None	None	Information Technology	Network Systems
Software Developers and Software Quality Assurance Analysts and Testers	7,516	8,624	709	\$39.50	\$52.19	Bachelor's degree	None	None	Information Technology	Network Systems
Web Developers and Digital Interface Designers	275	318	26	\$22.65	\$33.30	Associate's degree	None	None	Information Technology	Network Systems
Computer Occupations, All Other	891	992	80	\$30.73	\$46.41	Bachelor's degree	None	Moderate-term on-the-job training	Information Technology	Network Systems
Operations Research Analysts	349	395	30	\$39.28	\$55.02	Bachelor's degree	None	None	Business Management & Administration	Operations Management
Data Scientists and Mathematical Science Occupations, All Other	184	217	20	\$36.94	\$43.96	Bachelor's degree	None	None	Business Management & Administration	Operations Management

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Construction and Extraction Occupations										
First-Line Supervisors of Construction Trades and Extraction Workers	1,222	1,261	125	\$22.13	\$27.52	High school diploma or equivalent	5 years or more	None	Architecture & Construction	Construction
Plumbers, Pipefitters, and Steamfitters	747	793	84	\$20.59	\$26.54	High school diploma or equivalent	None	Apprenticeship	Architecture & Construction	Construction
Construction and Building Inspectors	151	166	21	\$24.19	\$29.04	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training	Government & Public Administration	Regulation
Education, Training, and Library Occupations										
Postsecondary Teachers	2,236	2,329	231	\$24.95	\$30.85	Doctoral or professional degree	None	None	Education & Training	Teaching/Training
Elementary School Teachers, Except Special Education	2,223	2,349	176	\$22.07	\$26.38	Bachelor's degree	None	None	Education & Training	Teaching/Training
Secondary School Teachers, Except Special and Career/Technical Education	952	1,023	74	\$22.96	\$26.91	Bachelor's degree	None	None	Education & Training	Teaching/Training
Librarians and Media Collections Specialists	189	198	19	\$20.39	\$26.76	Bachelor's degree	Less than 5 years	None	Education & Training	Professional Support Services
Instructional Coordinators	176	188	18	\$25.50	\$30.84	Master's degree	5 years or more	None	Education & Training	Professional Support Services
Healthcare Practitioners, Healthcare Support and Technical Occupations										
Physical Therapists	319	339	16	\$34.56	\$39.27	Doctoral or professional degree	None	None	Health Science	Therapeutic Services
Speech-Language Pathologists	199	226	15	\$26.23	\$30.28	Master's degree	None	Internship/residency	Health Science	Therapeutic Services
Registered Nurses	5,547	5,705	317	\$23.07	\$27.76	Bachelor's degree	None	None	Health Science	Therapeutic Services

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Nurse Anesthetists	312	331	18	\$41.09	\$79.08	Master's degree	None	None	Health Science	Therapeutic Services
Nurse Practitioners	705	919	66	\$41.37	\$47.14	Master's degree	None	None	Health Science	Therapeutic Services
Physicians, All Other; and Ophthalmologists, Except Pediatric	751	765	23	\$96.46	\$114.63	Doctoral or professional degree	None	Internship/residency	Health Science	Therapeutic Services
Diagnostic Medical Sonographers	149	170	14	\$24.48	\$31.08	Associate's degree	None	None	Health Science	Diagnostic Services
Healthcare Support Occupations										
Physical Therapist Assistants	157	174	21	\$26.00	\$29.41	Associate's degree	None	None	Health Science	Therapeutic Services
Installation, Maintenance, and Repair Occupations										
First-Line Supervisors of Mechanics, Installers, and Repairers	872	898	82	\$24.83	\$31.80	High school diploma or equivalent	Less than 5 years	None	Manufacturing	Maintenance, Installation & Repair
Avionics Technicians	159	172	13	\$25.47	\$28.94	Associate's degree	None	None	Manufacturing	Maintenance, Installation & Repair
Mobile Heavy Equipment Mechanics, Except Engines	241	262	27	\$20.89	\$26.77	High school diploma or equivalent	None	Long-term on-the-job training	Transportation, Distribution & Logistics	Facility & Mobile Equipment Maintenance
Legal Occupations										
Lawyers	764	813	42	\$26.90	\$46.23	Doctoral or professional degree	None	None	Law, Public Safety, Corrections & Security	Legal Services
Life, Physical, and Social Science Occupations										
Microbiologists	117	120	11	\$40.47	\$46.71	Bachelor's degree	None	None	Architecture & Construction	Design/Pre-Construction
Chemists	212	212	20	\$26.94	\$36.32	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Science & Mathematics

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Environmental Scientists and Specialists, Including Health	83	97	11	\$21.69	\$32.83	Bachelor's degree	None	None	Science, Technology, Engineering & Mathematics	Science & Mathematics
Life, Physical, and Social Science Technicians, All Other	89	98	13	\$22.54	\$32.39	Associate's degree	None	None	Manufacturing	Manufacturing Production Process Development
Occupational Health and Safety Specialists	193	200	15	\$31.20	\$41.89	Bachelor's degree	None	None	Manufacturing	Manufacturing Production Process Development
Management Occupations										
Chief Executives	225	244	18	\$31.82	\$79.71	Bachelor's degree	5 years or more	None	#N/A	#N/A
General and Operations Managers	4,251	4,555	398	\$42.35	\$64.08	Bachelor's degree	5 years or more	None	Business Management & Administration	General Management
Marketing Managers	277	315	29	\$43.24	\$68.27	Bachelor's degree	5 years or more	None	Marketing	Marketing Management
Sales Managers	386	440	40	\$38.41	\$51.16	Bachelor's degree	Less than 5 years	None	Marketing	Marketing Management
Administrative Services and Facilities Managers	202	229	21	\$37.91	\$52.77	Bachelor's degree	Less than 5 years	None	Business Management & Administration	Operations Management
Computer and Information Systems Managers	1,306	1,402	111	\$52.55	\$68.81	Bachelor's degree	5 years or more	None	Business Management & Administration	Business Information Management
Financial Managers	649	739	60	\$46.59	\$60.97	Bachelor's degree	5 years or more	None	Finance	Business Finance
Industrial Production Managers	469	487	35	\$42.34	\$55.33	Bachelor's degree	5 years or more	None	Business Management & Administration	Operations Management
Purchasing Managers	401	401	32	\$52.04	\$59.53	Bachelor's degree	5 years or more	None	Business Management & Administration	Operations Management
Transportation, Storage, and Distribution Managers	155	161	13	\$36.67	\$48.04	High school diploma or equivalent	5 years or more	None	Transportation, Distribution & Logistics	Logistics Planning & Management Services
Human Resources Managers	235	257	22	\$45.24	\$53.12	Bachelor's degree	5 years or more	None	Business Management & Administration	Human Resources Management
Construction Managers	586	654	52	\$21.91	\$30.27	Bachelor's degree	None	Moderate-term on-the-job training	Architecture & Construction	Construction

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Education Administrators, Kindergarten through Secondary	350	371	28	\$32.03	\$38.47	Master's degree	5 years or more	None	Education & Training	Administration & Administrative Support
Education Administrators, Postsecondary	333	335	24	\$33.30	\$42.32	Master's degree	Less than 5 years	None	Education & Training	Administration & Administrative Support
Architectural and Engineering Managers	1,005	1,047	78	\$61.64	\$73.31	Bachelor's degree	5 years or more	None	Science, Technology, Engineering & Mathematics	Engineering & Technology
Medical and Health Services Managers	617	726	64	\$32.64	\$41.89	Bachelor's degree	Less than 5 years	None	Health Science	Support Services
Social and Community Service Managers	159	177	16	\$22.17	\$30.32	Bachelor's degree	Less than 5 years	None	Human Services	Family & Community Services
Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	1,078	1,175	93	\$20.11	\$51.57	Bachelor's degree	Less than 5 years	None	Human Services	Family & Community Services
Production Occupations										
First-Line Supervisors of Production and Operating Workers	1,405	1,481	150	\$22.65	\$30.68	High school diploma or equivalent	Less than 5 years	None	Manufacturing	Production
Water and Wastewater Treatment Plant and System Operators	187	191	18	\$20.87	\$26.34	High school diploma or equivalent	None	Long-term on-the-job training	Manufacturing	Production
Protective Service Occupations										
First-Line Supervisors of Firefighting and Prevention Workers	142	149	10	\$26.91	\$29.87	Postsecondary nondegree award	Less than 5 years	Moderate-term on-the-job training	Law, Public Safety, Corrections & Security	Emergency & Fire Management Services

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Sales and Related Occupations										
First-Line Supervisors of Non-Retail Sales Workers	301	319	30	\$20.33	\$28.04	High school diploma or equivalent	Less than 5 years	None	Marketing	Professional Sales
Securities, Commodities, and Financial Services Sales Agents	223	227	20	\$22.06	\$30.72	Bachelor's degree	None	Moderate-term on-the-job training	Finance	Securities & Investments
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	1,427	1,582	188	\$19.03	\$28.88	High school diploma or equivalent	None	Moderate-term on-the-job training	Finance	Securities & Investments
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	358	392	40	\$26.36	\$38.44	Bachelor's degree	None	Moderate-term on-the-job training	Marketing	Professional Sales
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,762	2,039	215	\$19.28	\$26.72	High school diploma or equivalent	None	Moderate-term on-the-job training	Marketing	Professional Sales
Sales Engineers	98	110	12	\$29.97	\$40.19	Bachelor's degree	None	Moderate-term on-the-job training	Marketing	Professional Sales
Transportation and Material Moving Occupations										
Airline Pilots, Copilots, and Flight Engineers	122	126	14	\$48.55	\$57.15	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training	Transportation, Distribution & Logistics	Transportation Operations