

GEORGIA'S STEM Careers to 2020

Science, Technology, Engineering, and Mathematics

Knowledge Understanding of principles and facts of subject matter full knowledge required some knowledge required Education Typical education needed to enter an occupation Green jobs involve work that produces products or services that protect or restore the environment or conserve natural resources. Hot jobs have faster than state average job growth, above state average wages, and have at least 100 annual openings.	Knowledge																	Education				Occupational Characteristics			
	Administration and Management	Biology/Chemistry	Design/Bldg and Construction	Clerical/Customer and Personal Svc	Telecom/Communications and Media	Computers and Electronics	Economics and Accounting	Education and Training	Engineering and Technology	English Language	Law and Govt/Public Safety and Security	Mathematics	Mechanical/Production and Processing	Medicine and Dentistry	Personnel and Human Resources	Physics	Psychology/Sociology and Anthropology	Therapy/Counseling	Doctoral or Professional Degree	Master's Degree	Bachelor's Degree	HS Diploma/Some College/Assoc Degree	2012 Annual Wage	2010-20 Annual Openings	
Life and Physical Science, Engineering, Mathematics, and Information Technology Occupations																									
Actuaries	●					●	●			●	○	●									✓		\$100,000	90	
Biological Technicians		●								●		●									✓		\$40,900	130	
Civil Engineers Green	●		●	○					●	●	○	●				●					✓		\$77,200	90	
Computer & Information Systems Managers Hot	●			○	○	●	●			●			○		●						✓		\$118,500	350	
Computer Programmers	●			○		●				●		●									✓		\$75,700	230	
Computer Support Specialists Hot	●			●	○	●			●	●												✓	\$49,200	830	
Computer Systems Analysts Hot	●			○		●			●	●		●									✓		\$78,000	810	
Database Administrators Hot				●		●				●		●									✓		\$81,800	150	
Electrical Engineers Green	●		○	○		●			●	●	○	●	○			●					✓		\$81,100	70	
Electronics Engineers, Except Computer Green	●		○			●			●	●		●	●			●					✓		\$86,300	120	
Supervisors of Non-Retail Sales Workers	●			○			●	●		●		●			●							✓	\$77,300	230	
Industrial Engineers Green	●		○	○		●		●	●	●		●	●								✓		\$82,200	130	
Info Sec Analysts, Web Dev, & Comp Network Architects	●		○	○	●	●		●	●	●	○										✓		\$83,100	190	
Mechanical Engineers Green	●		○	○		●			●	●		●	●			●					✓		\$79,200	120	
Network & Computer Systems Administrators Hot	●					●				●		●									✓		\$77,100	470	
Operations Research Analysts	●					●			●	●		●	○								✓		\$69,500	110	
Sales Reps, Wholesale & Mfg, Tech & Scientific Products Green				○		●				●			○								✓		\$78,400	560	
Software Developers, Applications Hot						●			●	●		●									✓		\$85,700	350	
Software Developers, Systems Software Hot			○	○		●			●	●		●									✓		\$97,900	320	
Statisticians	●					●				●		●								✓			\$77,000	60	
Health Occupations																									
Dental Hygienists Hot				○				●		●				●			○					✓	\$65,100	350	
Dentists, General Hot	●	●		○			●			●				●	●		○		✓				\$194,300	190	
Dietitians & Nutritionists Hot	●	●		○				●		●		●		●			○	●			✓		\$52,300	110	
Emergency Medical Techs & Paramedics				○				●		●	●			●	●		○	●				✓	\$31,600	270	
Family & General Practitioners Hot		●		○				●		●		●		●			●	●	✓				\$191,300	190	
Health Specialties Teachers, Postsec Hot		○		○	○			●		●	○	●		●			○	●	✓				\$98,900	200	
Internists, General Hot	●	●		○				●		●				●			●	●	✓				\$204,100	140	
Licensed Practical & Licensed Vocational Nurses	●	○		○				●		●		●		●			○	●				✓	\$37,000	1,210	
Med & Clinical Laboratory Technicians		●		○		●						●	○	●								✓	\$34,200	240	
Med & Clinical Laboratory Technologists Hot		●		●		●		●		●		●	○	●							✓		\$53,400	200	
Med & Health Services Managers Hot	●			○			●			●	●	●		●	●		○				✓		\$87,000	510	

<http://explorer.dol.state.ga.us/gsipub/index.asp?docid=356>

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Health Occupations (continued)																									
Med Records & Health Info Technicians				●		●				●												✓	\$33,700	190	
Pharmacists Hot		●		○		●		●		●		●		●			○	●	✓					\$112,400	200
Pharmacy Technicians				●		●				●		●		●								✓	\$27,900	160	
Physical Therapists Hot		○		○				●		●	●			●			○	●	✓					\$78,800	130
Physician Assistants Hot		●		○				●		●		●		●			●	●		✓				\$88,500	150
Radiologic Technologists & Technicians Hot				●		●		●		●		●		●		●						✓	\$51,200	300	
Registered Nurses Hot		●		○				●		●	○	●		●			●	●				✓	\$63,200	3,330	
Respiratory Therapists Hot		●		○				●		●		●	○	●		●	○					✓	\$51,100	180	
Surgical Technologists		○		○				●		●	○			●			○					✓	\$38,900	130	
Architecture Occupations																									
Architects, Exc Landscape & Naval Green	●			●	○					●	●	●	●								✓			\$79,500	40
Architectural & Civil Drafters Green				●	○		●			●	●	○	●									✓		\$52,900	20
Architectural & Engineering Managers Green	●			○	○		●			●	●		●	○		●	●				✓			\$113,700	90
Landscape Architects Green	●	○		●	○		●			●	●	○									✓			\$62,400	10
Social Science Occupations																									
Biological Science Teachers, Postsec		●				●		●		●		●							✓					\$64,800	40
Business Teachers, Postsec Hot	●			○	○		●	●		●		●					●		✓					\$85,200	120
Child, Family, & School Social Workers				●						●	○						●	●			✓			\$37,200	310
Clinical, Counseling, & School Psychologists Hot	●			●		●		●		●	●	●					●	●	✓					\$63,500	140
Computer Science Teachers, Postsec				○	○	●		●	●	●		●							✓					\$68,000	50
Directors, Religious Activities & Education	●			●				●		●	○				●		○				✓			\$58,000	90
Educational, Guidance, School, & Voc Counselors Hot	●			●		●		●		●							●	●		✓				\$56,600	270
Health Educators Hot	●			●	○			●		●							●	●			✓			\$70,200	120
Healthcare Social Workers Hot				○				●		●	●			●			●	●		✓				\$46,800	220
Judges, Magistrate Judges, & Magistrates	●			○						●	●						●		✓					\$93,400	40
Judicial Law Clerks	●			●						●	●								✓					\$38,800	80
Lawyers Hot	●			●		●	●		●		●				●				✓					\$137,700	690
Mathematical Science Teachers, Postsec				○		●		●		●		●							✓					\$59,700	60
Mental Health & Substance Abuse Social Workers				○				●		●	○						●	●			✓			\$45,000	50
Mental Health Counselors				●				●		●							●	●		✓				\$41,200	120
Paralegals & Legal Assistants Hot				●		●				●	●										✓			\$48,900	320
Probation Officers & Correctional Treatment Spec				●		●		●		●	●						●	●			✓			\$36,000	160
Rehabilitation Counselors	●			●		●		●		●							●	●		✓				\$40,100	60
Social & Human Service Assistants	●			●				●		●	●						●	●				✓		\$27,800	810
Substance Abuse & Behavioral Disorder Counselors	●			●				●		●	○						●	●				✓		\$38,600	60