

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.



Sample Career Specialities / Occupations		Facilities Technician Fire Protection Engineer Geothermal Engineer Hazardous Waste Engineer Hazardous Waste Technician Human Factors Engineer Industrial Engineer Industrial Engineer Industrial Engineer Industrial Engineer Manufacturing Engineer Manufacturing Technician Manufacturing Technician Manufacturing Processes Engineer Haterials Engineer Materials Engineer Materials Lab & Supply Technician Mechanical Engineer Metallurgic Engineer Metallurgic Engineer Metwork Technician Nuclear Engineer Ocean Engineer Ocean Engineer Operations Research Engineer Packaging Engineer Packaging Technician	Petroleum Engineer Pharmaceutical Engineer Plastics Engineer Power Systems Engineer Product Design Engineer Project Engineer Project Manager Prototype Engineer Quality Engineer Quality Technician Radio/TV Broadcast Technician Radiology Engineer Researcher Safety Engineer Software Engineer Software Engineer Sortware Engineer Survey Technician Systems Design Engineer Technical Writer Telecommunications Engineer Textile Engineer	Analytical Chemist Anthropologist Applied Mathematicia Archeologist + Astronomer Astrophysicist Atmospheric Scientist Biologist + Botanist CAD Operator Cartographer + Chemist Communications Technologist Conservation Scientist Cosmologist Cryptographer Crystallographer Demographer Demographer Dye Chemist Ecologist Economist Electronmicroscopist Environmental Scientist Expert Systems Scient Geneticist Geologist Geophysicist Geoscientist Herpetologist	Laboratory Technician Mammalogist Marine Scientist Materials Analyst Materials Scientist Mathematician Metallurgist  Microbial Physiologist Mycologist Mycologist Nuclear Chemist Nuclear Technician Numerical Analyst Nutritionist  Coeanographer Organic Chemist Ornithologist Physicist Polymer Scientist	Research Technician Science Teacher Lab Technician Scientific Visualization / Graphics Expert Spectroscopist Statistician Technical Writer Technologist Toxicologist Toxicologist Toxicologist
Pathways	Engineering and Technology			Science and Math		
Cluster K&S	<ul> <li>Academic Foundations</li> <li>Communications</li> <li>Employability and Career Development</li> <li>Ethics and Legal Responsibilities</li> <li>Information Technology Applications</li> <li>Leadership and Teamwork</li> <li>Problem Solving and Critical Thinking</li> <li>Technical Skills</li> <li>Ji</li> <li>all</li> </ul>				Education Needed for Career  ❖ High School – completed high school, high school with career and technology training, GED, on-the-job training, or apprenticeship  Junior College – completed junior/community college, postsecondary technical, or career and technology training  ♣ Baccalaureate Degree – completed four-year degree or more	