

CAREER FUNNEL (Least preferred)

Jobs in this career cluster involve planning, managing, and providing scientific research and professional technical services (e.g., physical science, social science, and engineering) including laboratory and testing services, and research and development services.

Career Pathways

A career pathway is an area of concentration within a career cluster. Each pathway contains a group of careers requiring similar academic and technical skills as well as similar industry certifications or postsecondary education. This career cluster has two pathways: engineering and technology, and science and math.

- **Engineering and Technology:** This pathway includes all of the many different kinds of engineers who work in both government and the private sector. Jobs include systems engineer, safety engineer, chemical engineer, transportation engineer, optical engineer, nuclear engineer, mechanical engineer, industrial engineer, electrical engineer, civil engineer, biotechnology engineer, and agricultural engineer.
- **Science and Math:** This pathway includes a variety of occupations, from research scientists and mathematicians, to technicians, such as hazardous materials technicians or nuclear technicians. This pathway also includes scientific specialists, such as herpetologists, physicists, botanists, biologists, toxicologists, paleontologists, ornithologists, chemists, linguists, geologists, astronomers, and archaeologists.