

# Did you know?

With the upcoming eclipse, you may be wondering what kind of careers you could go into that are related to space, physics and geology.

Jobs related to **space** include scientists, technicians, engineers, and media and communications specialists. Different levels of education are needed for different jobs.

**Physics**-related jobs typically require at least a bachelor's degree. Jobs include engineers, researchers, teachers, and technicians.

Jobs in **geology** include researchers, teachers, engineers, miners, and scientists. Different levels of education are required for these jobs as well.

Learn more here: www.bls.gov/ careeroutlook/2016/article/careers-inspace.htm



Download brochure with links to resources



**Spotlight on Local Resource** 

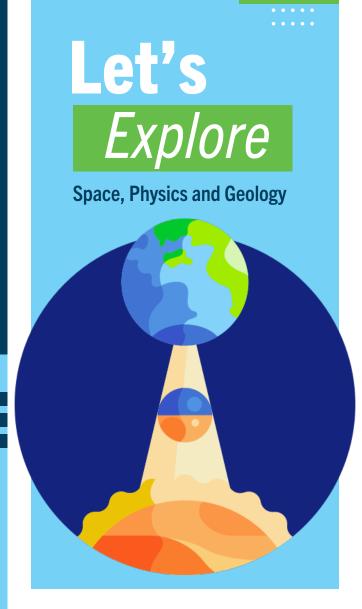
#### **NASA Glenn Research Center**

Located near Cleveland Hopkins International Airport, Glenn's main campus, Lewis Field, has world-class facilities, including wind tunnels, drop towers, vacuum chambers, and a research aircraft hangar. Established in 1941, the center employs more than 3,000 people.

You can find internships, college and pre-college experiences and other opportunities at www.stemgateway.nasa.gov/public/explore-opportunities. Make sure to filter for Ohio opportunities.

NASA Glenn Research Center 21000 Brookpark Road Cleveland, OH 44135

nasa.gov/glenn









# **Types of Jobs / Salary Potential**

The salary ranges listed are typical for Cleveland area jobs and can vary widely based on a number of factors. Learn more here.

- Physicist / \$60,000 \$158,000
- Aerospace Engineer / \$70,000 -\$191,000
- Mechanical Engineer / \$65,000 -\$190,000
- Aerospace Engineering and Operations Technician / \$70,000 -\$94,000
- Avionics Technician / \$55,000 \$86,000
- Astronomer / \$118,000 \$157,000
- Geologist / \$47,000 \$127,000

# **Examples of Local Employers**

NASA Glenn Research Center Nextant Aerospace Howmet Aerospace Great Lakes Science Center

# Places to look for open jobs:

- Indeed
- LinkedIN



# **Preparing for the Career**

Local Training, Certificate & Degree Programs

### **Cleveland State University**

- Physics
- Mechanical Engineering

# **Cuyahoga Community College**

- STFM
- Applied Industrial Technology Manufacturing

# **Case Western Reserve University**

- Aerospace Engineering or Mechanical Engineering
- Astronomy
- Physics
- Environmental Geology
- Geological Sciences
- Polymer Science / Macromolecular Science and Engineering

#### **Ohio Space Grant Consortium**

The Ohio Space Grant Consortium (OSGC) offers financial support through competitively awarded scholarship opportunities. To be considered for a scholarship, students must be citizens of the United States pursuing an undergraduate degree as a full-time student in a STEM-related discipline at an Ohio Affiliate member university (CSU, CWRU, Baldwin Wallace, and Tri-C are affiliated).

# Opportunities for Deeper Exploration

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#### **Great Lakes Science Center**

The Science Center offers a number of volunteer and paid opportunities, including summer camp counselors.

#### **Davis Aerospace and Maritime High School**

Davis Aerospace and Maritim High School is a cutting-edge public school in Cleveland designed for students who wish to pursue their curiosity or passion for aerospace and maritime in a supportive environment that prepares them for college, careers and citizenship.

#### **Zone Aviation Youth Aviator Camp**

The Youth Aviator Camp is designed to give children and teens a unique opportunity to explore the vast and exciting world of aviation and aerospace. Camp is offered throughout the year at Burke Lakefront Airport.

# **Baldwin Wallace University STEM Discovery Camp**

Dive first into engineering, physics, chemistry, and computer science at this four-day STEM camp for high school students entering junior or senior year.

## **Baldwin Wallace University NASA Astro Camp**

Designed for grades 6-8, this camp aims to inspire life-changing goals through next generation science, math, and technology/ engineering skills, all while tackling real-world mission challenges from NASA.