

**Welcome to the STEM Career Expo!
Science, Technology, Engineering, and Mathematics**

- Find a career you would like to investigate. Note the floor of the careers and look for the signs of careers you want to **investigate**.
- **Converse** with knowledgeable professionals to hear about their careers. See suggestions of questions on the back.
- **Attend panels** to hear groups of professionals speak briefly about themselves, their education and their careers.

**ENGINEERING CAREERS
ATRIUM LEVEL (First Floor)**

| | |
|-------------------------------|----------------------------------|
| Acoustics Engineer | Lubrication Engineer |
| Chemical Engineer (SCI) | Materials Engineer (SCI) |
| Civil Engineer | Mechanical Engineer |
| Computer Engineer (Math/Tech) | Metallurgist |
| Computer Scientist | Nuclear Engineer |
| Data Scientist | Optical Engineer |
| Distribution Engineer | Patent Agent |
| Electrical Engineer | Quality Assurance Engineer |
| Engineering Market Strategist | Research and Development Manager |
| Engineering Physicist | Software Engineer (Math/Tech) |
| Innovations Engineer | Structural Engineer |

**MATHEMATICS/TECHNICAL CAREERS
ATRIUM LEVEL (First Floor)**

| | |
|--------------------------------|----------------------------|
| Actuary | Health Information Manager |
| Computer Engineer | Information Engineer |
| Computer Security Professional | IT Professional |
| Cybersecurity Analyst | Metrologist |
| Experience Design Leader | Software Engineer |

**SCIENCE CAREERS
SECOND FLOOR**

| | |
|------------------------------|--|
| Accelerator Operator | Meat Scientist |
| Accelerator Physicist | Medical Laboratory Scientist |
| Analytical Scientist | Neutrino Physicist |
| Biomimicry Architect | Operations Supervisor |
| Chemical Safety Professional | Physicist |
| Chemist (ENG) | Plant Breeder |
| Flavor Chemist | Plant Pathologist |
| Food Scientist | Research and Development Applications Technician |
| Forest Ranger | Research Scientist |
| Geodetic Engineer | Scientist |
| Health Information Manager | Water Scientist |
| Horticulturalist | Watershed Project Manager |
| Industrial Hygienist | |

STEM Panels

Several panelists within groups of careers are organized so you can compare and contrast the types of fields available. After short presentations, a question and answer period is available. We encourage you to return to the tables to have further discussions with these professionals after the panels.

| 6:15 PANEL | |
|---|---|
| SCIENCE | ENGINEERING |
| ROOM - ONE WEST (Atrium Level - First Floor) | ROOM - AUDITORIUM (Ground Floor) |
| Data Scientist | Chemical Engineer |
| Flavor Chemist | Distribution Systems Engineer |
| Health Information Manager | Mechanical Engineer |
| Neutrino Physicist | Software Engineer |
| Watershed Project Manager | Structural Engineer |

| 7:00 PANEL |
|---|
| MATH/TECH |
| ROOM - AUDITORIUM (Ground Floor) |
| Actuary |
| Computer Engineer |
| Cybersecurity Analyst |
| Experience Design Leader |
| Metrologist |

| 7:45 PANEL | |
|---|---|
| SCIENCE | ENGINEERING |
| ROOM - ONE WEST (Atrium Level - First Floor) | ROOM - AUDITORIUM (Ground Floor) |
| Biomimicry Architect | Civil Engineer |
| Chemical Safety Professional | Electrical Engineer |
| Forest Ranger | Fuels Engineer |
| Meat Scientist | Geodetic Engineer |
| Water Scientist | Nuclear Engineer |

Thank you to our volunteers, the Glenbard West STEM Club and parents and students from Batavia, Geneva and Glenbard West High Schools.

Thank you to our sponsors: Batavia High School; Fermilab Friends for Science Education; Geneva Community High School; Valley Education for Employment System and York High School

The STEM Career Expo Committee is grateful to the following businesses and organizations attending the expo this year.

| | |
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Restrooms are located on the ground floor near the elevators and in the auditorium lobby, on the second floor, and at the main entrance on the atrium level.

Not sure what to talk about? Consider asking these questions:

Does your job require a high school, community college or four-year college education?

How many days/week or hours/day do you work? Is your schedule flexible?

What personal characteristics does this job require?

Why did you choose this career?

Can you describe a typical day?

What are some interesting jobs that might be related to yours?

Does your position require any specific skills?

Do you use a foreign language in your job? If so, what situations require the use of foreign language skills in your field?

What classes or courses should I take in high school to help me prepare for this career?

Do you work with other people or mainly by yourself?

What is the most satisfying thing about your job?

What advice would you give me to help plan for my future in this career?

What are the different types of jobs in this field of work?

Does your job change often? If so, how do you update your knowledge/skills to stay current?

Do you work for yourself or someone else?

In your opinion, what is the outlook for demand in this field/career?

Does your position require a lot of travel?

If a career that you are interested in is not represented this evening:

Link to authoritative sites about STEM careers that include information on trends, education, salaries, the nature of the work, tasks, knowledge and skills needed. <http://ed.fnal.gov/programs/careerfair/resources.html>