

**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	Materials Engineer (SCI)
Civil Engineer	Mechanical Engineer
Computer Engineer	Metallurgist
Computer Scientist	Nuclear Engineer
Distribution Systems Engineer	Nuclear Fuels Engineer
Electrical Engineer	Optical Engineer
Engineering Manager	Quality Assurance Engineer
Engineering Physicist	Software Engineer
Industrial Engineer	Structural Engineer
Information Systems Engineer	Sustainability Engineer
Infrastructure Program Director	

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

Actuary	IT Professional
Computer Engineer	Meteorologist
Computer Security Professional	Systems Administrator
Health Information Manager	

**SCIENCE CAREERS
SECOND FLOOR**

Accelerator Operator	Magnet Physicist
Accelerator Physicist	Medical Laboratory Scientist
Analytical Technologist	Metalworking Fluids Scientist
Applications Technologist	Neutrino Physicist
Botanist/Naturalist	Operations Superintendent
Chemist	Physicist
Ecologist	Ranger
Flavor Chemist	Research Scientist
Food Scientist	Safety Officer/Industrial Hygienist
Geologist	Scientist
Health Physicist	Synthesis Chemist
Lab Technician	Water Scientist

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)
Food Scientist	Chemical Engineer
Geologist	Electrical Engineer
Metalworking Fluids Scientist	Mechanical Engineer
Neutrino Physicist	Quality Assurance Engineer
Ranger	Software Engineer

7:00 PANEL
MATH/TECH
ROOM – AUDITORIUM (Ground Floor)
Actuary
Computing Engineer
Computer Engineer
Health Information Manager
Meteorologist

7:45 PANEL	
SCIENCE	ENGINEERING
ROOM – ONE WEST (Atrium Level - First Floor)	ROOM – AUDITORIUM (Ground Floor)
Accelerator Operator	Acoustics Engineer
Accelerator Physicist	Chemical Engineer
Ecologist	Distribution Systems Engineer
Flavor Chemist	Mechanical Engineer
Synthesis Chemist	Structural Engineer

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

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

Accenture, LLP	Illinois American Water
American Industrial Hygiene Association	Illinois Health Management Association
Angus Chemical Company	Innova Flavors
Argonne Center for Nanoscale Materials	McCrone Group, The
Blachford Acoustics Laboratory	National Society of Professional Engineers
Cabot Microelectronics	Nicor Gas
Caterpillar, Inc.	Nokia (formerly Alcatel-Lucent)
CB&I	Optical Society of Chicago
Commonwealth Edison	Praxair, Inc.
Comp TIA	Price Waterhouse
Conservation Foundation, The	Sargent & Lundy
Custom Culinary, Inc.	Society of Actuaries
DuPage County Forest Preserve District	Society of Automotive Engineers – Chicago
Exact Metrology	Society of Tribologists & Lubrication Engineers
Exelon Generation	Society of Women Engineers
Falex Corporation	U.S. Bureau of Labor Statistics
Fermi National Accelerator Laboratory	U.S. Department of Energy – Office of Science
FONA International, Inc.	U.S. Nuclear Regulatory Commission
Fox Metro Water Reclamation District	Voogd Consulting, Inc.
GrayTech Software, Inc.	

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 interests you 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>