

High Energy Physics: Education and Training

The field of high energy physics is an excellent training ground for students. These students gain important skills in areas such as:

- critical thinking
- advanced computing
- digital and analog electronics
- data acquisition
- data analysis
- advanced sensor technology
- modeling complex systems
- statistical analysis
- dealing with large data volumes
- working in large teams
- international collaboration

People who have earned a degree in high energy physics have gone on to work in fields such as:

- Financial analyst (investment banking, hedge funds)
- Software design
- Space research
- Power industry
- Medical imaging
- Semiconductor industry
- Consulting
- Energy analyst
- Public service
- Defense research
- Law
- Education

Alumni of high energy physics have gone on to work for such corporations as:

- Lucent Technologies
- Google
- Morgan Stanley
- Citigroup
- Boeing
- IBM
- Eos Management
- Oracle
- Merrill Lynch
- Institute for Defense Analysis
- Southwest Research Institute
- Lincoln Labs
- California Energy Commission