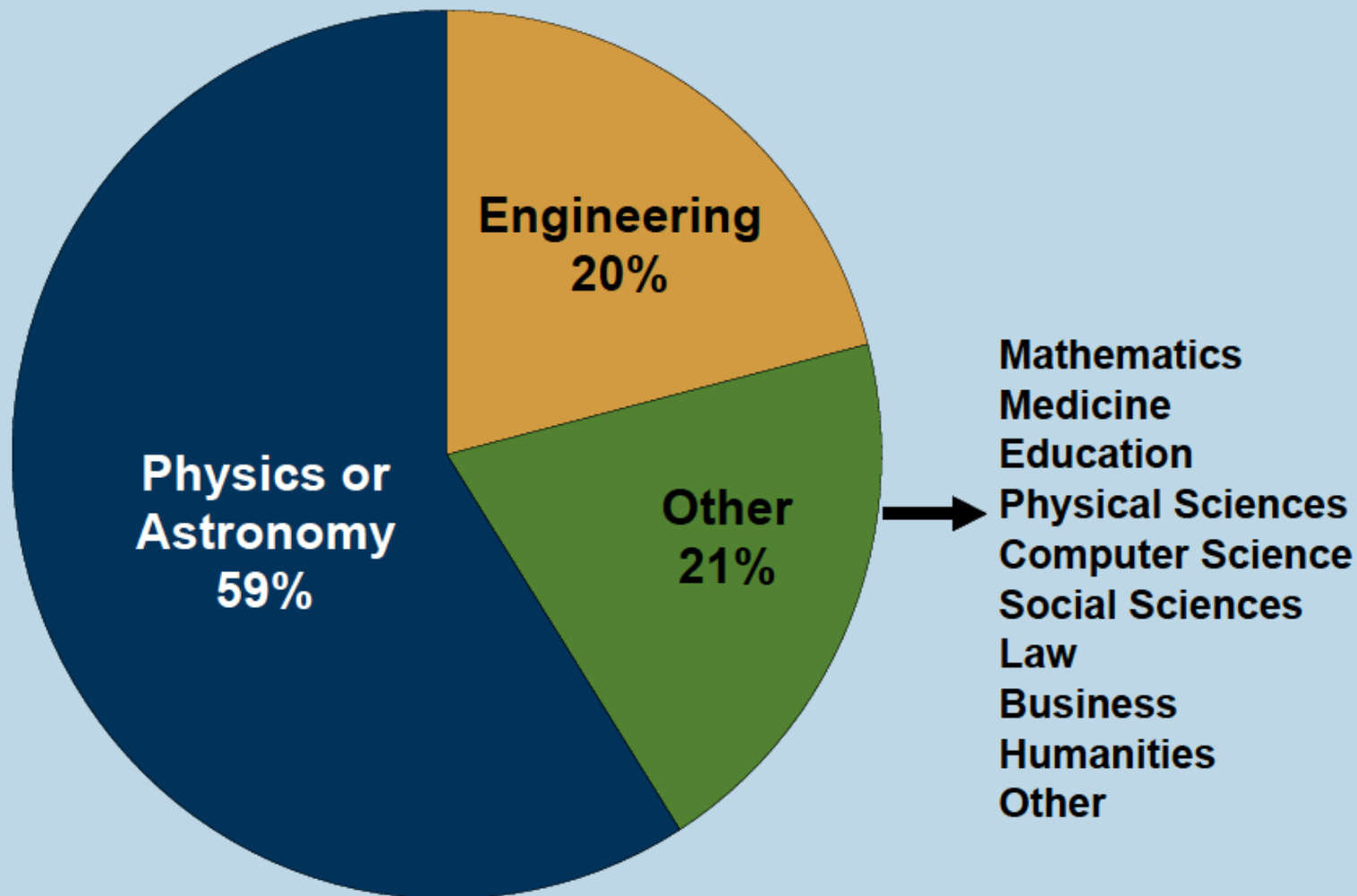


A Physicist in Industry

career advice

- Follow your interests (curiosity)
- Acquire the right tools
- Think outside the box
- Be persistent
- *Network*
- Be flexible

Field of Graduate Study for Physics Bachelors One Year After Degree, Classes of 2013 & 2014 Combined



Physics jobs in industry



See: <http://www.aip.org/statistics/trends/career.html>

Qualities for success

- Core competency
- Communication
- Tools
- Customer focus
- Experience
- Curiosity
- People skills
- Creativity
- Breadth
- Judgment
- Vision
- Trainability
- Mobility
- Flexibility
- Enthusiasm
- Mentoring
- Teamwork

Networking!

Must have useful skill

30 years ago:

- Problem solver
- Inventive
- Optics
- Electronics MHz
- Fortran
Programming

Now:

- Problem solver
- Inventive
- Analytics
data mining
- Python
- Optics, Electronics GHz

Physics jobs in IT industry

Combine physicist's problem solving and programming talents



Google

Many physicists in industry, such as myself, become "firefighters": because of their diversified knowledge basis, they can attack just about any problem and help get programs back on track.

I have fought technical problems, hardware problems, software problems, and even administrative problems. I assure you, I am never bored!

I fight fires in my spare time just for fun!

Kathy Kirby works for Hughes in Colorado