CAREER OPPORTUNITIES FOR MATH MAJORS

SKILLS & ABILITIES OF THE MATH MAJOR

**Computation**
- Develop and write research proposals
- Review scientific literature
- Summarize research findings
- Preparing technical reports

**Technical**
- Utilize logical processes
- Use mathematical instruments
- Establish and control hypothetical designs
- Observe data/things
- Design and utilize computer simulations

**Investigation**
- Define a research problem
- Develop a research model
- Establish hypotheses
- Evaluate ideas
- Gather/analyze data
- Understand relationships among factors
- Draw meaningful conclusions

**Communications**
- Develop and write research proposals
- Review scientific literature
- Summarize research findings
- Prepare technical reports

POTENTIAL CAREERS

**Business and Industry**
- Sales, technical equipment
- Metallurgical and Materials Engineer*
- Energy Engineer*
- Financial Analyst
- Marketing Researcher
- Actuary
- Risk Manager
- Underwriter

**Computers**
- Technical Writer
- Computer Engineer*
- Computer Programmer
- System Support Representative
- Information Specialist
- Computer Systems Analyst
- Operations/Systems Researcher

**Research and Technical**
- Aerospace Engineer*
- Artificial Intelligence Engineer*
- Research Scientist
- Physicist*
- Electrical Engineer*
- Mathematical Technician

**Education and Government**
- Professor*
- Mathematician
- Nuclear Engineer*
- Special Librarian*
- Planetary Scientist
- Teacher
- Demographer
- Economist

* Additional graduate study is generally expected for those occupations marked with an * on the above list.
TYPES OF EMPLOYERS

- Businesses and Corporations
- State and Federal Government
- Self-Employed
- Schools
- Colleges and Universities
- Non-Profit Organizations

TOP OCCUPATIONS

- Top and mid-level managers, executives, administrators
- Actuaries
- Computer systems analysts
- Computer programmers
- Computer engineers
- Other management-related occupations
- Insurance, securities, real estate, business services
- 3.9% Transportation and Logistics

RESOURCES AND WEBSITES FOR THE MATH MAJOR

The Mathematical Association of America- http://www.maa.org/
The Association for Women in Mathematics- https://sites.google.com/site/awmmath/home
O*Net- https://www.onetonline.org/

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Sources: The College Majors Handbook (Fogg, Harrington, & Harrington, 2012), University of Kansas University Career Center, University of Houston