

# Statistical Mathematics

## Typical Career Fields:

### Operations Management

- Business Strategy
- Facilities Layout
- Inventory Control
- Personnel Scheduling
- Production Mgt.
- Quality Assurance
- Purchasing/ Buying

### Banking & Finance

- Consumer Credit Analysis
- Commercial Lending
- Trust Mgt.
- Mortgage Loans
- Branch Mgt.
- Credit Scoring & Risk Mgt.
- Financial Analysis

### Education

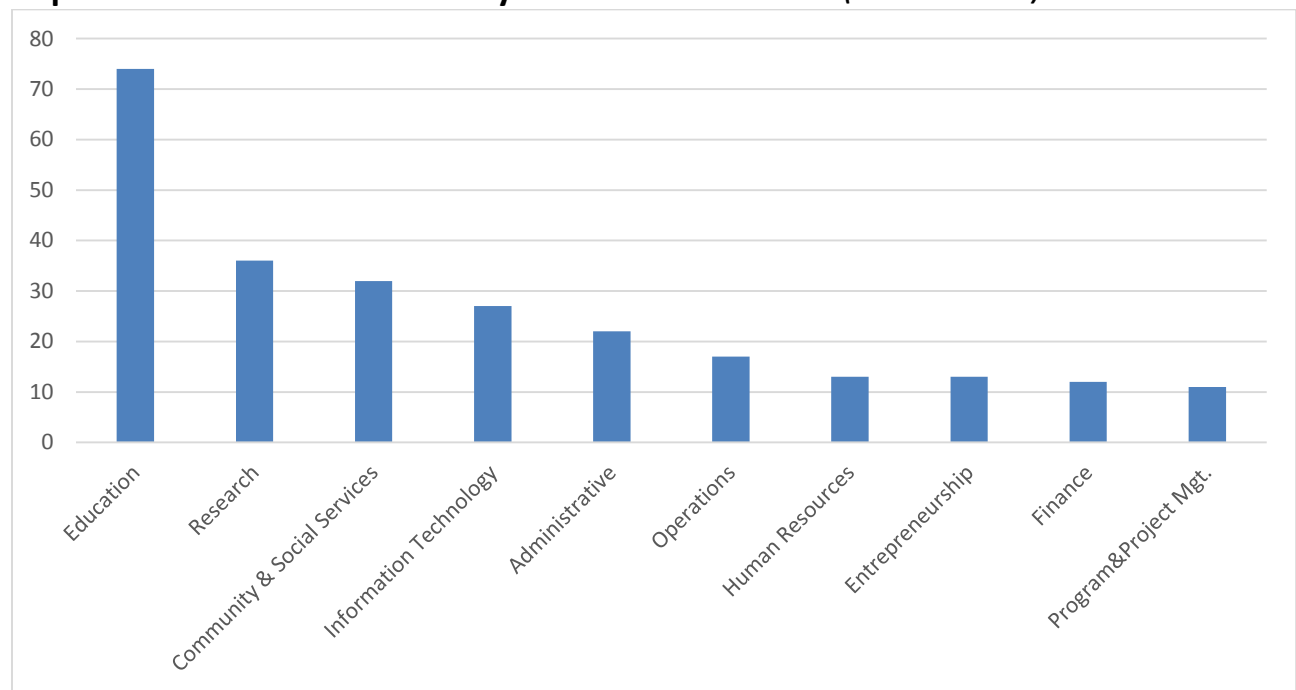
- Teaching
- Research



= Bright Outlook

Source: O\*NET

## Top Ten Career Fields Chosen by ESU Statistics Grads: (Source: LinkedIn)



## Where Our Grads Go (top ten):

- Kansas State Univ.
- Univ. of Kansas
- Univ. of Kansas Medical Ctr.
- Wichita State Univ.
- UC Berkeley
- Quintiles
- Oregon Institute of Technology
- Flint Hills Resources
- INVISTA
- PwC

View a list of required courses for this major at <http://www.emporia.edu/sac/list-of-majors.html>.

Career Services

[career@emporia.edu](mailto:career@emporia.edu)

620-341-5407

[www.emporia.edu/careerservices](http://www.emporia.edu/careerservices)

### **Statistical Mathematics Majors**

Strategies on how to become more marketable at graduation

**Operations Management** - (Business Strategy, Facilities Layout, Inventory Control, Personnel Scheduling, Production Management, Quality Assurance, Purchasing/Buying)

- Develop strong analytical skills and a logical approach to problem solving.
- Take additional courses in Management.
- Acquire skills in budgeting and cost management.
- Learn to manage multiple situations and problems.
- Learn to communicate effectively with different types of people in various functional areas.
- Earn an MBA to reach higher levels of operations management.

**Banking and Finance** (Consumer credit analysis, Commercial Lending, Trust Management, Mortgage Loans, Branch Management, Credit Scoring and Risk Management, Financial Analysis)

- Build a solid background in business including marketing, finance, and accounting.
- Gain experience through part-time, summer or internship positions in a financial service firm.
- Develop strong interpersonal and communication skills in order to work well with a diverse clientele.
- Plan to earn an MBA to enter investment banking.

**Education** (Teaching, Research)

- Plan to earn a doctoral degree.
- Maintain a high undergraduate GPA and secure strong recommendations from faculty.
- Volunteer to assist a faculty member with his or her research or find a part-time job as a research assistant.

### **General Strategies**

- Statistics can be used in a wide variety of fields with science, technology, business, health, and social sciences. Gain knowledge in a specific field of interest to pair with skills in statistics, math and computers.
- Most “statistician” and upper level research jobs in either government or industry will require at least a master’s degree.
- Get involved with campus organizations to build leadership and teamwork skills.