The Career Center at Loyola University Maryland

Mathematics and Statistics

What can I do with this major?

Print Resources

(All Available in the Career Resource Library in The Career Center)

Careers for Number Crunchers
(MA Category)

Great Jobs for Math Majors
(Math Category)

Careers in Education
(EDU Category)

Smart Moves for Liberal Arts Grad
(CP Section)

200 Best Jobs for College Graduates
(CP Section)

Guide to Internet Job Searching
(JS Section)

Graduate Programs: Mathematics
(Grad Section)

How to Write a Winning Personal Statement for Graduate and Professional School
(Grad Section)

Now what do I Do?
(SP Section)

Overview Of Major

The study of mathematics and statistics helps students develop their conceptual skills, problem solving ability and analytical thinking. Graduates can apply their high-level mathematical and statistical techniques to areas such as biostatistics, econometrics, operations research, actuarial risk analysis, and optimization, and coding theory.

MATHEMATICS AND STATISTICS DEPARTMENT SITE:
WWW.LOYOLA.EDU/ACADEMICS/MATH

COURSE CATALOGUE:
www.catalogue.loyola.edu/catalogues/current/undergraduate/artsandsci/math.html

ACADEMIC ADVISING AND SUPPORT CENTER:
www.loyola.edu/department/aasc.aspx

Potential Job Titles

- ◊ Teaching Assistant
- ◊ Business Management
- ◊ Demonstration Specialist
- ◊ Math Professor
- ◊ Budget Analyst
- ◊ Teacher
- ◊ Statistician
- ◊ Mathematician
- ◊ Financial Analyst
- ◊ Actuary
- ◊ Consultant
- ◊ Administrator
- ◊ Bio Statistician
- ◊ Cost Analyst
- ◊ Bank Manager
- ◊ Computer and Information Scientist
- ◊ Research Assistant
- ◊ Multi– Disciplined Engineer

Where Can I Get An Internship?

- ◊ Aon Risk Consultants, Inc.
- ◊ Computer Sciences Corporation
- ◊ Food and Drug Administration
- ◊ General Dynamics
- ◊ McLagan Partner
- ◊ National Institute on Aging
- ◊ Penn Mutual Life
- ◊ PHH Arval
- ◊ JPMorgan Chase & Co.
- ◊ Loyola University Math Department
- ◊ State Farm Insurance
- ◊ Schindler Elevator Corp.
- ◊ The Boeing Company
- ◊ U.S. Army Materiel Systems Analysis Activity
- ◊ Loch Raven High School
- ◊ Lockheed Martin Corporation

Sample Web Resources

American Mathematical Society

www.ams.org

American Statistical Association

www.amstat.org

Association for Financial Professionals

www.afponline.org

Financial Management Association International

www.fma.org

Association for Accountants and Financial Professionals in Business

www.imanet.org

Mathematical Association of America

www.maa.org

Society of Actuaries

www.soa.org

Society for Industrial and Applied Mathematics

www.siam.org

Sample graduate programs pursued by Mathematics and statistics majors:

◊ PhD, Mathematics

◊ Master in Math Education

◊ MA, Teaching

◊ MS, Statistics

◊ PhD, Statistics

◊ Master of Applied Statistics

Possible Career Fields

Industry

Research ◊ Development ◊ Design ◊ Data Processing ◊ Testing Operations

Government

Research

Theoretical ◊ Applied

Computers

Computer Industry ◊ Programming ◊ Systems Analyst
Data Processing ◊ Software ◊ Hardware ◊ Training

Insurance

Actuarial ◊ Underwriting ◊ Sales

Market Research

Data Collection ◊ Information Analysis

Securities

Sales ◊ Research ◊ Operations

Banking

Possible Work Settings

Aerospace ◊ Machinery ◊ Pharmaceutical ◊ Consulting

State & Federal Agencies ◊ Universities ◊ Service companies

Computer Hardware and Software Firms ◊ Insurance Firms ◊ Banks

Important Skills & Abilities

Knowledge of Computer Science, Statistics & Probability

Communication & Interpersonal ◊ Computer & Research

Team Player ◊ Technical Writing ◊ Public Speaking ◊ Teaching

Knowledge of Computer Languages ◊ Programming Experience

Experience in fundraising drives ◊ Sales

Contact The Career Center:

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