

## Frequently Asked Questions about Our Program

### What can I do with a Master of Science in Applied Statistics?

This degree prepares graduates for careers in business, industry, government or academics. To find out more about what statisticians do, see the American Statistical Association's Career Center at

<http://www.amstat.org/careers/whatdostatisticiansdo.cfm>.

### What salary can I expect?

According to the Bureau of Labor Statistics, the median salary in 2012 for mathematicians specializing in statistics was \$75,560 per year and the number of jobs in this field is projected to grow 27 percent from 2012-2022. Visit <http://www.bls.gov/ooh/math/statisticians.htm> for more information.

### What is special about BGSU's M.S. Applied Statistics program?

We are excited to offer the MSAS with a specialization in business analytics. The business analytics specialization at BGSU prepares students for careers using computing and data in concert with statistics by combing a foundation of statistics with skills in management of information systems and business operations. Writing on the growing opportunities in the fields of business analytics and big data, McKinsey & Company, a global management-consulting firm, found that "by 2018 the United States alone could face a shortage of 140,000 to 190,000 people with deep analytical skills." ([http://www.mckinsey.com/insights/business\\_technology/big\\_data\\_the\\_next\\_frontier\\_for\\_innovation](http://www.mckinsey.com/insights/business_technology/big_data_the_next_frontier_for_innovation))

### How are our recent graduates doing?

Graduates praise the professors in the MSAS program for taking an active role in helping them prepare for future careers and use their real world data to provide a foundation for lessons. Graduates have used their degree as a foundation to enter Ph.D. programs at top institutions like the Harvard, the University of Pennsylvania, the University of Michigan and UCLA. Former graduates have gone on to become faculty members in top universities at Yale University, Columbia University, the University of North Carolina at Chapel Hill and West Virginia University. Graduates of the program have also pursued careers in public health and clinical research with organizations such as the Harvard School of Public Health, the Cleveland Clinic Foundation, Eli Lilly and Company, and the John Wayne Cancer Institute. Other graduates have moved on to careers with banking, manufacturing, insurance, and other private companies. Some

well-known companies that our graduates have gone on to work with include Capital One, Morgan Stanley, Honda, Nike, American Greetings, Hallmark, Microsoft, eBay, Amazon, the Walt Disney Company, Delta Airlines, BP, Nationwide Insurance, and Allstate Insurance, as well as many others.

### What are the prerequisites for the program?

Applicants must have satisfactorily completed courses in differential and integral calculus, including multivariable calculus; a course in advanced calculus; and a course in linear algebra. At Bowling Green State University, these requirements are equivalent to the completion of MATH 2330, MATH 4320, and MATH 4340.

### Are there minimum requirements for acceptance?

Admission to the MSAS programs is competitive so there is no minimum GRE score or undergraduate GPA that will guarantee admission. We select the most highly qualified applicants from the pool each year.

### How long is the MS Applied Statistics program?

A total of 33 credits are required for the MS Applied Statistics (MSAS) degree. The degree can be completed in three semesters (Fall, Spring, Fall). The MSAS with a specialization in Business Analytics requires 39 credits and is generally completed in four semesters.

### Is there an application deadline?

While there is no formal application deadline, to be fully considered for funding, your application must be received by March 1, so applying early is strongly encouraged.

### Are assistantships available?

Funds (scholarships and assistantships/stipends) are available to qualified applicants on a limited and competitive basis. Assistantship duties may include working in a tutoring center or our Center for Business Analytics, assisting faculty members with research or teaching, teaching a section of an introductory course, or administrative duties.

### I took the GMAT, do I still need to take the GRE?

No- if you have already taken the GMAT, you do not need to take the GRE.

I took IELTS, do I still need to take TOEFL?

No- if you took IELTS, you are not required to take TOEFL.

Is the MSAS program considered a STEM program?

Yes- the MSAS program at BGSU is categorized as a STEM program. Applied Statistics and Operations research are considered STEM, specifically part of Mathematical and Computer Sciences.

Can I send recommendation letters through email?

YES. You can email the recommendation letter to Mrs. Carol Mathis [cmathis@bgsu.edu](mailto:cmathis@bgsu.edu)

Can I send all of my application materials directly to the ASOR department?

No- you will need to follow the application procedure and directions laid out by the University in order to ensure proper filing of your application. The University, not the Department, collects your application materials and creates a file for you. Sending your application materials directly to the Department will significantly delay your application process.

I have questions about my student visa, who should I contact?

Please note the department only evaluate your academic credentials. Any questions regarding the visa, please contact BGSU International Student Service directly at <http://www.bgsu.edu/international-student-services.html>

As an international student, will I be required to take English courses?

International students may be required to take one or more English as Second Language courses. The need for such course will be determined during the orientation week in August. Please see <http://www.bgsu.edu/arts-and-sciences/english/english-for-speakers-of-other-languages.html> for more information.

## How do I apply?

### For Domestic applicants:

Domestic applicants for the M.S. Applied Statistics should do the following:

- Complete the official online application form for Graduate College admission (accompanied by a \$45 application fee). Please go to <http://www.bgsu.edu/graduate/admissions.html> to complete the application.
- Forward the following documents to Graduate Admissions at the address below
  - Two official transcripts from each college or university you have attended
  - Your Graduate Record Examination (GRE) aptitude test scores.

**Office of Admissions  
Attn: Graduate Admissions  
110 McFall Center  
Bowling Green State University  
Bowling Green, OH 43403-0083**

- Forward the following documents to the Graduate Coordinator at the address below
  - Three letters of recommendation
  - One copy of your current resume
  - Personal statement about why you want to pursue an M.S. Applied Statistics at BGSU

**Carol Mathis  
Secretary  
344 College of Business  
Department of Applied Statistics and Operations Research  
Bowling Green State University  
Bowling Green, OH 43403**

**For International applicants:**

International applicants for the M.S. Applied Statistics should do the following:

- Complete the official online application form for Graduate College admission (accompanied by a \$75 application fee). Please go to <http://www.bgsu.edu/graduate/admissions.html> to complete the application.
- Forward the following documents to Graduate Admissions at the address below
  - Two official transcripts from each college or university you have attended
  - Your Graduate Record Examination (GRE) aptitude test scores.
  - Your TOEFL or IELTS test scores (if native language is not English).

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