# **BALL STATE UNIVERSITY**

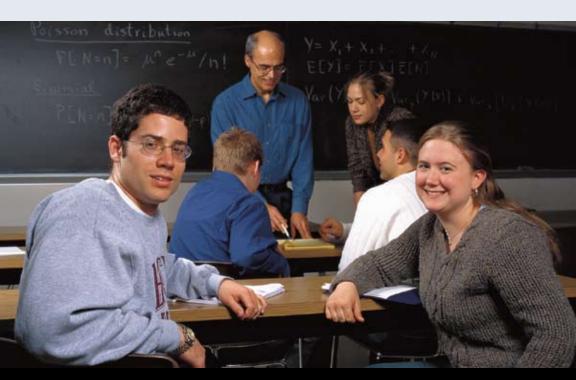
# **Graduate** Programs in Mathematical Sciences

**Actuarial Science** 

**Mathematics** 

**Mathematics Education** 

**Statistics** 



**EDUCATION REDEFINED** 



Ball State's Department of Mathematical Sciences graduate programs offer you a challenging and rewarding learning experience guided and supported by expert faculty members. Our dedicated, approachable professors give you the necessary attention to help you realize your graduate study and career goals. Our graduate programs are an excellent preparation for a career in the mathematical sciences or for pursuing a doctoral degree.

### **DEGREE PROGRAMS**

We offer master's degrees in actuarial science, mathematics, mathematics education, and statistics.



### **ASSISTANTSHIPS**

Each year, we award at least 20 graduate assistantships to qualified students. A graduate assistantship is a part-time job designed to benefit you professionally. Assistantship compensation includes tuition remission (you are still responsible for student services fees) and a stipend. Typical graduate assistant work assignments are class instructor, Learning Center tutor, computer lab assistant, or



research assistant. All graduate assistants must enroll for at least 6 but no more than 12 hours of graduate credit each semester. To be considered for an assistantship, you must submit all application materials by **February 1**. Get more information about graduate assistantships, apply online, or print an application, at www.bsu.edu/math.

### **ADMISSION**

Prospective students must meet the admission requirements of both the Department of Mathematical Sciences and the Graduate School. We recommend that you submit all application materials at least three months in advance, but no later than four weeks before the start, of the semester. If you want to be considered for an assistantship, the deadline for all application materials is **February 1**.

"I was fortunate to earn my master's degree in statistics at Ball State University. They have good mentors, relatively small class sizes, and a very friendly environment. Everyone in the department was willing to listen to others, be it faculty, student, or staff. The faculty was always available to help, both in and out of the classroom; it didn't matter whether it was about the class or something else. The program offers a variety of courses, and you can tailor your courses depending on your goals."

ABDUS S. WAHED, MA, PhD, Assistant Professor Department of Biostatistics, Pittsburgh University

## **Mathematical Sciences**

#### MASTER OF ARTS (MA) IN ACTUARIAL SCIENCE, 33 HOURS

Ball State is one of the few universities in the nation, and the only state university in Indiana, with bachelor's and master's degree programs in actuarial science. Our actuarial science professors—who are all fellows, the highest designation in the actuarial science field—teach you the techniques they practiced as actuaries. Together, they have more than 50 years of professional experience.

#### MASTER OF ARTS (MA) OR MASTER OF SCIENCE (MS) IN MATHEMATICS, 30 HOURS

The master's degree in mathematics prepares you for a career in the teaching profession or industry and provides a solid foundation in mathematics for a PhD program in any of the leading universities in the nation. Our mathematics faculty have a proven dedication to high quality teaching in the classroom and a strong record of research in their respective areas of expertise. You will discover that they are also accessible should you need individual consultation or academic advice.

#### MASTER OF ARTS (MA) IN MATHEMATICS EDUCATION, 30 HOURS

Our graduate program in mathematics education provides opportunities for teachers to examine the theory and practice of mathematics education while developing their knowledge and skills in mathematics content, mathematics pedagogy, and teacher leadership. You may focus your study by selecting from two options:

The elementary and middle school mathematics program, prepares elementary-level teachers to become mathematics specialists and helps middle school mathematics teachers refine their expertise. With some additional course work, this option allows elementary teachers and middle school teachers of other disciplines to add junior high/middle school mathematics to their existing teaching licenses.

The secondary mathematics program serves to broaden and deepen secondary mathematics teachers' knowledge of mathematics and mathematics pedagogy.



### GRADUATE CERTIFICATE IN ELEMENTARY MATHEMATICS TEACHER LEADERSHIP, 15 HOURS

The graduate certificate in elementary mathematics teacher leadership program is designed to prepare elementary teachers to serve as school- and district-level mathematics teacher leaders. The program emphasizes the development of elementary teachers' knowledge of mathematics content and mathematics pedagogy and skills in mathematics teacher leadership.

#### MASTER OF ARTS (MA) IN STATISTICS, 30 HOURS

Our highly successful statistics program prepares you for a career in industry and for doctoral study. Some of our recent graduates have secured positions in the pharmaceutical, insurance, and financial industries, while many others are pursuing doctorates in statistics. In our program, you will learn the fundamentals of statistics as well as how to use statistical software, specifically SAS, and simulation. Our students interact with the faculty who closely follow the development of their students to help ensure that they achieve their goals.



KIRK CONRAD, FCAS Actuarial Analyst, Towers Perrin

"The Ball State actuarial science program gave me a great opportunity to make industry contacts, prepare for actuarial exams, and to learn the ins and outs of an actuarial career from accredited professors who have years of experience in the field."

### **APPLY NOW**

Graduate School application requirements and forms are available online at www.bsu.edu/gradschool/admissions. View the *Ball State Graduate Catalog* at www.bsu.edu/gradschool/catalog.

International students must apply for admission to Ball State through the Rinker Center for International Programs. Go to <a href="www.bsu.edu/">www.bsu.edu/</a> internationaladmit for application forms and information. Non-U.S. residents must meet the university's admission requirements. Credits from secondary schools, colleges, universities, and other educational institutions outside the United States must be evaluated by the Rinker Center staff before acceptance.

"My experience as a graduate student of the Ball State statistics program was truly rewarding. The academic environment is excellent, students are challenged, but under constant faculty guidance, with cutting-edge theoretical and applied course work in the field of statistical science."

MUNNI BEGUM, MA, PhD, Assistant Professor Department of Mathematical Sciences,

Ball State University

#### **CONTACT US**

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# **Indiana Department of Education**

"Where I lived when I was choosing a graduate program gave me the option of several campuses. I was impressed most by Ball State and its master of arts in mathematics education. It has a good balance between the practical and the theoretical. Also, when I started the program, I was unsure of what I wanted to do next in my career-continue teaching or pursue a doctoral degree. I felt this degree would be useful whatever I decided. What I learned in this program has been just as useful for my current job as it would have been in the classroom."

Ball State University practices equal opportunity in education and employment and is strongly and actively committed to diversity within its community.

The information presented here, correct at the time of publication, 4092-07 umc is subject to change.

