APPLIED MATHEMATICS AND STATISTICS

WHAT SETS BRYANT’S PROGRAM APART?

1. SAS® Certification
   - Excel in today’s data-driven environment at Bryant, one of only seven undergraduate universities worldwide to offer the SAS Certificate in data mining, by earning this prestigious professional designation.
   - Qualify to earn SAS Certification by completing four SAS-based statistics courses in the major.

2. Meaningful Real-World Learning Experiences
   - Develop critical research skills through coursework in topics such as Number Theory, Mathematical Interest Theory, Data Mining, Software Application, and Sports Statistics.
   - Explore a topic by designing and conducting research in collaboration with a distinguished faculty expert.
   - Immerse yourself in learning opportunities through internships with organizations such as Hasbro, Children’s Hospital Los Angeles, Aetna, Fidelity Investments, CVS Health, and a Wish Come True.

3. Opportunities to Excel
   - Work closely with faculty on collaborative Capstone research that you may present at regional and national conferences.
   - Collaborate with other students interested in the field in the Bryant Advanced Analytics Center. As a strategic resource for businesses and organizations that increasingly rely on analysis of big data to make effective decisions, the Center provides opportunities to network with potential employers.
   - As an outstanding student, you may be inducted into Mu Sigma Rho, the National Statistics Honor Society.

BRYANT APPLIED MATHEMATICS AND STATISTICS GRADUATES ARE IN DEMAND

In business, government agencies, and nonprofit organizations including:

- Aetna
- Amica Mutual Insurance
- Blue Cross Blue Shield
- Cigna
- Citizens Financial Group
- CVS Health
- Delta Dental
- Fidelity Investments
- John Hancock Financial Services
- Liberty Mutual Insurance
- Neighborhood Health Plan of Rhode Island
- USA Football
- Wayfair

In leading graduate programs including:

- Bryant University
- Brown University
- Federal University of Minas Gerais
- Belo Horizonte
- North Carolina State University
- University of Michigan
- University of Notre Dame

WHY STUDY APPLIED MATHEMATICS AND STATISTICS AT BRYANT?

Learn from distinguished faculty who are accomplished educators and among the best analytical thinkers in the country.

Develop the understanding of mathematical and statistical concepts along with computer skills for business applications required to solve real-world problems by applying mathematical principles.

Engage in supervised Applied Mathematics and Statistics, Applied Analytic, and Actuarial internships where you apply theories and principles learned in the classroom.

Earn your SAS Certificate in data mining, a prestigious professional designation that establishes a competitive advantage.

CHRISTOPHER BUCCHERI ’18
Ph.D. Candidate in Statistics
North Carolina State University

MAJOR: Applied Mathematics and Statistics
MINORS: Biotechnology, Finance
HOMETOWN: Westminster, CT
PATH: Student Programming Board weekend programming co-chair; Student Senate; Class of 2018 representative on the Student Involvement Fee oversight board; treasurer of the Actuarial Association; Outdoor Adventure Club; Mixed Martial Arts Club; participant in the 2016 Summer Institute in Biostatistics at North Carolina State University; Research Assistant for the Bryant University Office of Planning and Institutional Research.

“You will find no shortage of opportunities for exploration at Bryant. The support of my professors and the flexibility of the Mathematics program eased my decision to study Applied Math with a minor in Biotechnology. The rich diversity of student involvement allowed me to meet many different personalities and kept me engaged through my senior year.”

To learn more about Applied Mathematics and Statistics or other programs at Bryant, please contact:
Office of Admission • (401) 232-6100 • (800) 622-7001 • admission@bryant.edu
Our Applied Mathematics and Statistics faculty are award–winning educators, scholars, and dedicated mentors who have had success in the fields they teach and in research. They combine the latest theory with direct experience. These caring and supportive professors get to know you as an individual in our close-knit, student–centered community. You’ll acquire knowledge, develop a global perspective, and hone skills highly valued by employers and graduate schools.

THE APPLIED MATHEMATICS AND STATISTICS FACULTY INCLUDES:
• The chief statistician at Blue Cross & Blue Shield of Rhode Island.
• The founding co-directors of the Advanced Applied Analytics Center.
• The 2015 SAS Corporation Professor of the Year.

Our SAS® certification program has drawn the best and brightest students and opened many avenues of interesting and exciting career opportunities. Our alumni continually return to campus to emphasize and demonstrate the importance of SAS programming skills in their professional development.

JOHN T. QUINN, Ph.D.
Professor of Mathematics
Coordinator, Applied Mathematics and Statistics Program
Bryant University

ANDREW JACCINO ‘15
Business Planning and Data Analyst
Fidelity Investments, Boston, MA
MAJOR: Applied Mathematics and Statistics
MINORS: Business Administration; Finance
HOMETOWN: Ronkonkoma, NY
PATH: Procurement Intern, The Nature’s Bounty Co; Business Operations Analyst Intern, Delta Dental of RI; Special Olympics volunteer; Colleague Entrepreneurship Organization; Intramural Sports, Student Abroad in Florence, Italy; LEAP Development Program at Fidelity Investments following graduation.

“My Applied Math and Statistics courses helped pave the way for my career in data. Today, data is growing at an exponential rate and knowing how to successfully mine and utilize that information is extremely sought after. Learning how to use data to predict the future is pretty cool!”

DEBORA DE FREITAS MAGALHÃES ’16
Master in Statistics Candidate at Federal University of Minas Gerais
Belo Horizonte, Minas Gerais, Brazil
MAJOR: Applied Mathematics and Statistics
MINOR: Business Administration
HOMETOWN: Belo Horizonte, Brazil
PATH: Graduated Summa Cum Laude; Bryant’s Volleyball Captain; Bryant nominee for NCAA Woman of the Year; Benjamin Banneker Academic Award; SAS Institute Commencement Award; ICC Jim Thorpe Athletic Award; Bryant Senior Advisory Council; Special Olympics Volunteer; Math Tutor at ACE; Market Research Assistant for the Chollee Center, MIT Volleyball Assistant Coach; two-year Research Analyst for FmLight Inc. following graduation.

“Choosing Applied Math and Stats was a way of balancing analytics with my extensive list of interests. I love that our major has so many applications, whether it is healthcare, sports, or demographics. My SAS Certificate helped open doors after graduation, and it showed me the exciting possibilities of the Data Science world.”

RICHARD GORVETT, Ph.D.
Chair and Professor of Mathematics
• Served as the director of the actuarial science program at the University of Illinois at Urbana-Champaign for over 10 years.
• Acted as the first staff actuary for the Casualty Actuarial Society.
• Worked as a corporate and consulting actuary for companies such as Allstate, CNA Financial, Tillinghast-Towers Perrin, Ernst & Young, and Zurich North America prior to joining academia.

Among Our Distinguished Faculty:

DEA: Innovation and Design Experience for All
Introduction to Global Politics
Student Ambassador
History of the United States to 1877

Financial Management
Actuarial Statistics
Sophomore International Experience: Argentina and Chile
Organizational Behavior
Actuarial Association

Entrepreneurial Finance
Fiction Writing Workshop
History, Law, and the Holocaust
Resident Assistant
Analytics Internship

Here’s an abbreviated sample path to success:

FIRST YEAR
Sophomore International Experience: Argentina
Sophomore International Experience: Chile

Junior Year
Entrepreneurial Finance
Fiction Writing Workshop
History, Law, and the Holocaust
Resident Assistant
Analytics Internship

Senior Year
Advanced Actuarial Mathematics Seminar Exam
Life Contingencies
Multinational Finance
Compensation Management
WJMF Radio

DESIGNED FOR YOUR SUCCESS

Bryant’s innovative educational experience is focused on one central objective – preparing you for success. Bryant is recognized nationally for integrating business and the arts and sciences to provide students with a powerful combination of highly marketable skills. With a strong emphasis on experiential learning, your Bryant education will include opportunities for internships, consulting, participation in national conferences and competitions, social entrepreneurship, and study abroad. Bryant’s inspiring and purposeful student life is designed to enhance your learning and real–world credentials.
**INNOVATION**

Our Applied Mathematics and Statistics faculty are award-winning educators, scholars, and dedicated mentors who have had success in the fields they teach and in research. They combine the latest theory with direct experience. These caring and supportive professors get to know you as an individual in our close-knit, student-centered community. You’ll acquire knowledge, develop a global perspective, and hone skills highly valued by employers and graduate schools.

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**BRYANT’S INNOVATIVE EDUCATIONAL EXPERIENCE IS FOCUSED ON ONE CENTRAL OBJECTIVE – PREPARING YOU FOR SUCCESS.**

- Bryant is recognized nationally for integrating business and the arts and sciences to provide students with a powerful combination of highly marketable skills. With a strong emphasis on experiential learning, your Bryant education will include opportunities for internships, consulting, participation in national conferences and competitions, social entrepreneurship, and study abroad. Bryant’s inspiring and purposeful student life is designed to enhance your learning and real-world credentials.

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**FIRST YEAR**
- International Experience Program: Argentina and Chile
- History of the United States to 1877
- SAS®: Innovation and Design Experience for All Principles of Financial Accounting
- Introduction to Global Politics
- Student Ambassador History of the United States to 1877

**SOPHOMORE YEAR**
- SAS®: Innovation and Design Experience for All Principles of Financial Accounting
- Actuarial Statistics
- Sophomore International Experience: Argentina and Chile
- Organizational Behavior
- Actuarial Association

**JUNIOR YEAR**
- SAS®: Innovation and Design Experience for All Principles of Financial Accounting
- Actuarial Statistics
- Sophomore International Experience: Argentina and Chile
- Organizational Behavior
- Actuarial Association

**SENIOR YEAR**
- SAS®: Innovation and Design Experience for All Principles of Financial Accounting
- Actuarial Statistics
- Sophomore International Experience: Argentina and Chile
- Organizational Behavior
- Actuarial Association

**DESIGNED FOR YOUR SUCCESS**

**BUSINESS**
- Entrepreneurial Finance
- Finance Management

**LIBERAL ARTS**
- History of the United States to 1877
- History of the United States to 1877

**GLOBAL**
- International Experience Program: Argentina and Chile

**INNOVATION**
- SAS®: Innovation and Design Experience for All Principles of Financial Accounting
- Introduction to Global Politics

**CO-CURRICULAR**
- Student Ambassador History of the United States to 1877

**INTERNSHIPS**
- SAS®: Innovation and Design Experience for All Principles of Financial Accounting
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In business, government agencies, and nonprofit organizations including:
> AETNA
> AMICA MUTUAL INSURANCE
> BLUE CROSS BLUE SHIELD
> CIGNA
> CITIZENS FINANCIAL GROUP
> CVS HEALTH
> DELTA DENTAL
> FIDELITY INVESTMENTS
> JOHN HANCOCK FINANCIAL SERVICES
> LIBERTY MUTUAL INSURANCE
> NEIGHBORHOOD HEALTH PLAN OF RHODE ISLAND
> USA FOOTBALL
> WAYFAIR

In leading graduate programs including:
> Bryant University
> Brown University
> Federal University of Minas Gerais
> Bala Horizonte
> North Carolina State University
> University of Michigan
> University of Notre Dame

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Visit admission.bryant.edu and click on Academics