



POST-BACCALUREATE CERTIFICATE IN APPLIED STATISTICS

MATHEMATICAL SCIENCES

PURDUE UNIVERSITY
FORT WAYNE

Office of
Graduate Studies

PFW.EDU/GRADUATE

BENEFITS

SPECIALIZE YOUR PROGRAM

Each of the Purdue Fort Wayne graduate programs offered by mathematical sciences is flexible, allowing you to tailor it to your needs and interests:

- The **Master of Science in Mathematics** incorporates recent developments in applied mathematics and statistics into a curriculum built on solid mathematical foundations.
- The **Post-baccalaureate Certificate in Applied Statistics** offers the knowledge and experience needed for strategic planning and quality control. Courses applied toward the certificate can also be counted toward the master's degree.

EXPERIENTIAL LEARNING

Our program emphasizes the value of the practical application of knowledge and skills. Not only will you examine the concepts, theories, and research of the discipline, you will learn to apply them.

THE PURDUE FORT WAYNE DIFFERENCE

Stand out with a graduate degree that enhances your qualifications through:

- Course offering designed for working adults
- Internationally recognized degree at a fraction of the cost
- Personal attention from dedicated faculty
- Small class sizes

LEARN A DIVERSE SET OF SKILLS THAT COULD LEAD TO POSITIONS SUCH AS:

- Accountant
- Actuary
- Algorithm engineer
- Data analyst
- Data scientist
- Mathematician
- Software engineer
- Statistician
- Underwriter
- University professor

"The Purdue Fort Wayne graduate program in Mathematics was everything I was looking for and more. It was engaging, thorough, and highly interactive. The courses covered a broad range of areas and disciplines, each with significant depth, and the knowledge of the professors was outstanding. My experiences not only expanded my knowledge of mathematics, but also taught me effective ways to motivate and teach the students in my classroom."

Jason Barnes

"As an undergraduate, I didn't want to pursue a bachelor's degree in mathematics. I earned my B.A. in chemistry and minored in mathematics. At Purdue Fort Wayne, I caught up on some of the courses I was missing in the process of pursuing my M.S. Then, after graduating from Purdue Fort Wayne, I worked at a software company for two years before deciding to pursue my PhD. Faculty at Purdue Fort Wayne were great to work with, and have always been very supportive. Dr. (Doug) Weakley was tremendously helpful in assisting me with my transition into the program at Purdue Fort Wayne."

Jeff Shriner

CERTIFICATE

POST-BACCALAUREATE CERTIFICATE IN APPLIED STATISTICS

The Post-baccalaureate Certificate in Applied Statistics is designed to give technical managers and engineers the statistical knowledge and experience needed for good planning and quality control. For admission, you need to have had calculus and a statistics course.

Courses applied toward this certificate may also be used toward the master's degree.

REQUIRED COURSES (6 CREDIT HOURS)

STAT 51900 Introduction to Probability
STAT 52800 Introduction to Mathematical Statistics

TWO OF THE FOLLOWING: (6 CREDIT HOURS)

STAT 51200 Applied Regression Analysis
STAT 51400 Design of Experiments
STAT 51800 Introduction to Statistical Learning
STAT 52000 Time Series and Applications

ADDITIONAL REQUIREMENTS

The certificate requires a grade of B- or better in each course. At most one course may be transferred from another institution.

ADMISSION REQUIREMENTS FOR PFW GRADUATE PROGRAMS

To earn the post-baccalaureate certificate in applied statistics, prospective students should meet the requirements for Purdue Fort Wayne graduate admission. These include:

- A bachelor's degree from an accredited institution
- Minimum undergraduate GPA of 3.0/4.0 with the possibility of conditional admission for those who do not meet this requirement
- Additional information can be found [here](#)

APPLICATION DEADLINES

FALL

MAY 1

International

JUL 15

U.S. Citizen

SPRING

NOV 1

International

DEC 1

U.S. Citizen

STEPS TO APPLY

Application:

To begin your application create an account through the portal at pfw.edu/grad-apply. Applicants can make and save changes before submitting by logging in with the username and password used to create the account.

Application Fee:

The Graduate School application fee is \$60 (U.S. dollars) for domestic applicants and \$75 (U.S. dollars) for international applicants. Your application will not be processed until your nonrefundable application fee has been paid.

Transcripts:

Through the application portal, you must upload transcript(s) and/or academic document(s) for every institution of higher education you attended regardless of whether or not a degree was received. If a degree was received then it must be printed on the transcripts. If no degree conferral is printed on the transcripts then a copy of the original diploma (degree certificate) is needed. If the documents are not in English, you must upload an English translation certified by the college or university that issued it. For those who have completed degrees in the People's Republic of China, you will also be required to submit the Graduation Certificate.

Statement of Purpose (Essay):

The statement of purpose should be 300-500 words concerning your purpose for undertaking or continuing graduate study, your reasons for wanting to study at Purdue Fort Wayne, and your research interests, professional plans, and career goals. You also may explain any special circumstances applicable to your background and elaborate on your scholarly publications, awards, achievements, abilities, and/or professional history.

Recommendations:

These are not required for the certificate program. For the master's program, submit names of three individuals who are qualified to evaluate your academic or on-the-job performance who can attest to your ability to pursue a graduate degree. If possible, at least two recommendations should be from professors. In the online application to the Purdue Graduate School, once you click "Send to Recommender," each individual will receive an email with instructions for submitting their recommendation online. Once submitted, the graduate program to which you applied will have access to view your recommendation(s).

INTERNATIONAL APPLICANTS

All international applicants must also submit the following items to be considered for admission:

English Proficiency Scores:

(For exams taken before January 21, 2026)

TOEFL iBT

Overall Score: 80 with the following minimum section requirements:

Reading: 19
Listening: 14
Speaking: 18
Writing: 18

TOEFL Essentials

Overall Score: 8 with the following minimum section requirements:

Reading: 8
Listening: 8
Speaking: 8
Writing: 8

(For exams taken after January 21, 2026)

TOEFL iBT

Overall Score: 4.0 with the following minimum section requirements:

Reading: 4.0
Listening: 3.5
Speaking: 3.5
Writing: 4.0

TOEFL Essentials

Overall Score: 8 with the following minimum section requirements:

Reading: 8
Listening: 8
Speaking: 8
Writing: 8

IELTS

Overall Score: 6.5 with the following minimum section requirements:

Reading: 6.5
Listening: 6.0
Speaking: 6.0
Writing: 5.5

Duolingo English Test

Overall Score: 115 with the following minimum section requirements:

Literacy: 115
Comprehension: 115
Conversation: 115
Production: 115

ELS- Certificate

Level 112

Waiver of English Proficiency Scores

Routine waivers of an English Proficiency exam are granted for applicants that meet an alternate criterion:

- Earned a Baccalaureate, graduate, or professional degree within the last 36 months prior to the time of recommendation for admission - from a school where English is the primary language of instruction, in a country where English is the native language.
- Citizen of official English-speaking country

Note: Some graduate programs may still require a test of English proficiency, please confirm the acceptance of the waiver with your department.

OFFICIAL TRANSCRIPTS

You must provide official transcripts and/or academic records at the request of the graduate program or if you are admitted and choose to enroll. An official transcript bears the original signature of the registrar and/or the original seal of the issuing institution.

An unofficial transcript printed from your current/previous institution(s) student system is not an acceptable document. Official documents should be submitted to:

Purdue University Fort Wayne
Office of Graduate Studies
Doermer School of Business Room 304
2101 E. Coliseum Blvd.
Fort Wayne, IN 46805-1499, USA
graduate@pfw.edu

Domestic transcripts must be sent directly from a Registrar's office to the Office of Graduate Admissions via mail or email. If you mail them yourself, it must be in an envelope sealed by the registrar.

PURDUE UNIVERSITY FORT WAYNE



PFW.EDU/GRAD-INFO
260-481-6111
EA/EOU

