



Online Programs in Applied Statistics



PennState
World Campus

worldcampus.psu.edu

Table of Contents

Online Programs in
Applied Statistics 3

Master of Applied Statistics..... 4

Graduate Certificate in
Applied Statistics 5

Why Penn State? 6

Begin Your Application Today 7



“Our online applied statistics programs are designed to prepare students for data-oriented problem-solving careers. We are committed to providing an exclusive online learning experience, continuing our excellent decades-long journey in distance education.”

— **Nicole Lazar, Ph.D.,
Director of Online Applied
Statistics Programs**

— **Prabhani Kuruppumullage Don,
Ph.D., Assistant Director of Online
Applied Statistics Programs**

Online Programs in Applied Statistics

Penn State's online Master of Applied Statistics and Graduate Certificate in Applied Statistics programs are designed to help you hone your research and data analysis expertise. The skills you gain can be applied across many fields—including business, education, health, science, government, and technology—and can enable you to benefit your organization immediately while helping you advance your career.

Penn State World Campus is Penn State—Online

Our online applied statistics courses are the same academically challenging courses that are taught in our residential programs, but they provide you with the flexibility to study at times and locations convenient for your busy schedule. Your courses are taught by the same industry-respected faculty who lecture on campus, who are committed to ensuring that you receive a top-quality academic experience online.



Once you successfully complete the requirements for the master's degree, you will receive a diploma that is identical to the one received by any Penn State student, with no mention of online or distance education. To learn more, visit: worldcampus.psu.edu/applied-statistics.

“To me, there are numerous benefits of the applied statistics program offered through World Campus. First, the graduate course work is focused on applied statistics, which is very practical for everyday use. Understanding applied statistics can help you quickly develop your analytical skills, making you a more efficient and valuable employee. Second, I have been introduced to several statistical software packages that I had not previously worked with, allowing me to add numerous computer skills to my résumé.”

—Kristy F., Master of Applied Statistics graduate



Master of Applied Statistics

Our online 30-credit Master of Applied Statistics (MAS) program is a professional degree designed for quantitatively oriented students from various backgrounds and is based on our successful and popular residential program. The MAS is also suitable for professionals who handle data in their current positions and who are mainly interested in the practical side of statistics.

Through your course work, you can improve your data analysis proficiency and gain experience

using industry-standard software packages such as Minitab, R, Python, and SAS. You even have the option to prepare for the SAS Base Programming Certification Exam.

Penn State's MAS program is a professional master's degree that can equip you with skills required to derive and communicate data-driven insights. Rather than the foundations of mathematical statistics, the curriculum is focused on the development of data analysis skills and explores all core areas of applied statistics.



“We have worked closely with representatives from business and industry to develop the applied statistics program, as statistical analysis has become an indispensable component of many industries.”

— **Mosuk Chow, Ph.D., Director of Master of Applied Statistics Program**

Graduate Certificate in Applied Statistics

Regardless of your professional background, obtaining a Graduate Certificate in Applied Statistics can help you improve your data analytics skills. The certificate program consists of 12 credits of course work—6 required and 6 elective—allowing you to choose the statistics courses that meet your specific needs. You will also learn elements of SAS, R, Python, and other statistical software packages.

The program provides you with the tools, skills, and knowledge to handle and analyze data for your organization. The course curriculum is based on our residential program and focuses on implementing statistical procedures to produce and communicate meaningful results.

You can gain an excellent skill set that is useful in fields such as business, education, health, science, government, and technology. You can also acquire skills to apply immediately in your workplace, helping to make you a more valuable problem-solver for your organization. In addition, the credits you earn in the certificate program may be applied to the master's degree, if you apply and are accepted into the program.



“Penn State’s online programs in applied statistics are designed for working professionals. All our classes are offered as fully online asynchronous classes, where students can learn anytime, anywhere, and at their own pace.

Our instructors are dedicated to ensuring an impactful and equitable learning experience for our students. Students can acquire knowledge and practice in a wide range of statistical applications to enhance their employable skill set.”

— **Dr. Prabhani Kuruppumullage**
Don, Assistant Director of Online
Applied Statistics Programs

Why Penn State?

Collaboration

The applied statistics programs are a collaboration between Penn State World Campus and Penn State's Eberly College of Science. The partnership connects you with faculty who have diverse backgrounds and intellectual perspectives. In order to help you develop an advanced knowledge of applied statistics, you will work with and learn from a variety of experts in the field.

Flexibility and convenience

Penn State knows that adults need flexible and convenient learning options in order to continue meeting their professional and personal commitments. You can study when and where you please, earning your degree at your pace.

Reputation

Putting a Penn State degree or certificate on your résumé is a great way to broaden your career options and prove to employers that you are a well-educated professional.

Student support services

As a Penn State World Campus student, you will be supported by a team of knowledgeable and caring staff who understand the unique challenges of balancing work and personal responsibilities while learning online. You will have access to the

traditional student support services, such as career services, technical support, and a dedicated student affairs team, along with access to the University Libraries system, tutoring for some courses, and the opportunity to join clubs and organizations.

Financial aid

Penn State realizes that one of the biggest challenges of returning to school is the cost. Our advisers have been trained to help you make the most of the financial aid options and opportunities available.

The real Penn State

Since Penn State World Campus was launched in 1998, it has grown into one of the most well-regarded online campuses—extending Penn State's reputation as a leader in higher education to those who aren't able to attend classes on campus or who can't commit to traditional, full-time enrollment. When you earn a degree through Penn State World Campus, you're earning an official Penn State degree. There won't be any designation on your diploma that your courses were completed at a distance.

Begin Your Application Today

To begin one of the applied statistics programs, you need to submit an online application form and a complete application portfolio. To start the application process, visit worldcampus.psu.edu/applied-statistics, choose your program of interest, and click on “How to Apply.”

For the master’s degree program, your application portfolio must include:

- › online application form and fee
- › transcripts from each postsecondary institution attended
- › three references
- › TOEFL or IELTS score, if applicable
- › personal statement

For the graduate certificate program, you will need to submit:

- › online application form and fee
- › transcripts from each postsecondary institution attended
- › TOEFL or IELTS score, if applicable

For more information about these application materials, visit:
worldcampus.psu.edu/applied-statistics



Contact Us

Admissions Questions

worldcampus@psu.edu

814 863 5386

worldcampus.psu.edu/admissions



PennState
World Campus

The Pennsylvania State University
128 Outreach Building
University Park, PA 16802



[@psuworldcampus](https://www.facebook.com/psuworldcampus)



[@PSUWorldCampus](https://twitter.com/PSUWorldCampus)



[Penn State World Campus](https://www.linkedin.com/company/penn-state-world-campus)



[@pennstateworldcampus](https://www.instagram.com/pennstateworldcampus)

This publication is available in alternative media on request.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. Produced by Outreach and Online Education Marketing U.Ed. OUT 22-WC 549800/kjw/smb Copyright © 2022 The Pennsylvania State University