

## APRIL TAYLOR

Program Manager, Pediatrics Quality and Patient Safety  
Children's Hospital of Philadelphia

"The teaching is what stands out the most for me. It's an intimate program, very much student focused, with a great faculty-student balance. There's so much personal attention at every step. I've taken courses at other institutions and I can honestly say the program at West Chester is far better. You really feel like the faculty you're working with are invested in you."

WCU's program is great for preparing you for your career, too. There's a good mix of theory and application, but the focus is definitely on application. It's experiential learning. And you work with real life data — not perfect data sets taken from a sterile exercise. That's significant for actual career preparation. In terms of post graduate and placement opportunities, WCU is head and shoulders above the competition. Overall, it's just a great value — excellent student-to-teacher ratio, great mix of theory and application, and real-life learning. The WCU program can create a lot of post grad opportunities.



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One of the most relevant degrees in today's world, the master of science in applied statistics prepares you to analyze and explain information, an ever-increasing need for employers in virtually every industry. From estimating population trends to analyzing data on new products to investigating the efficacy of new medical treatments, professionals with backgrounds in applied statistics are in demand in seemingly limitless disciplines.

Among the many benefits of a West Chester University education in applied statistics are:

- a flexible curriculum that allows you to explore various concentrations
- visiting lectures from prominent statisticians on topics of current interest in applied statistics
- pursuing intensive study on a topic of interest with a faculty member through the optional thesis track
- optional supervised, paid internships at local companies

Want to know more about this thriving field of study or WCU's intimate, energetic program of study in it? Contact the Office of Graduate Studies ([gradstudy@wcupa.edu](mailto:gradstudy@wcupa.edu)) or the program director, Dr. Randall Rieger ([rrieger@wcupa.edu](mailto:rrieger@wcupa.edu)). Or visit us online at [wcupa.edu/appliedstatistics](http://wcupa.edu/appliedstatistics).



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West Chester's master of science in applied statistics is a state-of-the-art program that brings together statistical theory, computer programming, and scientific research.

This degree prepares you for immediate employment in a variety of high-paying industry positions as well as for doctoral study in applied statistics or a related field.

Here are just a few of the positions currently held by recent graduates of the West Chester University Applied Statistics program:

Assistant Professor of Mathematics	Manager, Statistics
Assistant Professor of Psychology	Marketing Campaign Analyst
Assistant Professor of Statistics	Mathematics Teacher
Assistant Vice President, Institutional Effectiveness and Planning	Non-Clinical Statistician
Associate Director, Data Analysis and Reporting	Program Analyst
Bio-Statistician	Program Manager, Pediatrics Quality and Patient Safety
Business Data Analyst	Research Data Analyst
Clinical Programming Associate	Research Scientist
Customer Data Analyst	Senior Analyst
Data Analyst	Senior Corporate Statistical Analyst
Database Marketing Analyst	Senior Epidemiologist
Graduate Student Research Assistant	Senior Programmer
Instructor of Kinesiology	Senior Statistician Site Experience Manager
Manager of Statistical Methodology	Statistical Consultant
	Statistician II
	Statistics Instructor

# APPLIED STATISTICS

GRADUATE STUDIES  
WEST CHESTER UNIVERSITY

[wcupa.edu/appliedstatistics](http://wcupa.edu/appliedstatistics)

One of the most relevant degrees in today's world.

In one of the most supportive, vibrant environments you'll find.

But don't take our word for it. Take theirs.



Small classes

Evening classes

Work closely with faculty

Exciting research opportunities

Lucrative and rewarding career opportunities

Flexible elective course offerings

Development of skills for a Ph.D. program

Affordable tuition

Assistantships, scholarships, and tuition waivers available

Paid, supervised internships

## ALSO AT WCU: CERTIFICATE PROGRAM IN APPLIED STATISTICS

Students can pursue studies on a part-time basis or just learn new skills through an exciting option: the certificate program in applied statistics. This 19-credit hour program features a hands-on curriculum where you can apply statistical and computational procedures to real-life problems. The certificate program offers a broad overview to the application of statistical concepts to various research settings.



## DINA APPLEBY

Biostatistician/Data Manager, the Penn Center for Women's Behavioral Wellness  
at the University of Pennsylvania



"We were taught very specific skills..."

At West Chester, you really learn very practical skills. The program is a great blend of the practical with the theoretical — you really study the mathematics that lie beneath the data. But you always sensed the faculty were cognizant of the practicality of what you were studying: the applied statistics. And that kind of experiential learning meant you acquired a much deeper understanding and were much better prepared after graduation.

A lot of the practicality of the program showed up in very tangible ways, too. Dr. Gallop (Professor of Statistics) not only showed us how to program graphs and plots, but he also provided us with the code base to take with us to re-purpose. That's been incredibly useful. And we were taught very specific skills, like language to use when reporting and how to accurately interpret and report data when writing papers.

When I graduated I truly understood it was extremely important to be absolutely precise in my work, in my reporting and analysis, to ensure the research in question can make the claims to which it's entitled without overstating anything or being misleading. That kind of utility, that functional learning, really stands out in the West Chester program.



"WCU was absolutely the right decision."

## AMOS ODELEYE

Senior Corporate Statistical Analyst  
Department of Medical Economics and Informatics  
(at a National Health Care Company)

— and —

Assistant Professor of Statistics  
School of Management Studies, Eastern University

When I was investigating graduate school opportunities, I met face to face with professors at a number of schools. What I got at West Chester, what I heard from Dr. Rieger (Professor of Statistics and Program Director), was different from other institutions. It was clear to me that the faculty here were much more personally involved. There was a real connection between students and professors. And that was true, all throughout my college career, and it remains true today. They're still helpful and responsive. At the time, I thought you can get a degree anywhere — but this will be part of my life forever, it will be on my resume for the rest of my life — and it's important to get that decision right. WCU was absolutely the right decision.

West Chester definitely prepared me for my career, and to pursue a PhD, as I'm currently doing. The day I walked out I felt well prepared. Even in job interviews, you're totally ready for the toughest questions. You know how to interact — and you know your stuff, and that gives you real confidence.

## TAMARAH SMITH

Assistant Professor of Psychology, Cabrini College



"I feel like I gained an incredible skill set..."

The faculty are so wonderfully supportive, and they're so good at what they do. They put the program in such fantastic structure; you realize as you move through the program 'wow, they really knew what they were doing!' You're initially so eager to learn, so anxious to really dive in, but they're laying groundwork and telling you to be patient. And then, sure enough, all the pieces fall into place.

That kind of structure was incredibly important for me since I came into the program with a psychology, and not a mathematics, background. And that's the significant thing about the West Chester program: it's applied statistics, not statistics. The versatility of the degree is so important; there are so many directions to go. I feel like I gained an incredible skill set; my background, thanks to this program, is very flexible. As a graduate, you leave very well prepared either for a profession or for doctoral pursuit.

I was always amazed by the camaraderie of the students, too. The faculty set the tone and we fell in — staying after class working together and really helping each other out. That was really valuable for me, given my background going in. But that's the strength of the program: in later applications, it was my turn to have unique insight that helped others. I think you worry about some programs really being silos, but that's not the case at West Chester.

"This degree facilitated a fantastic career change — I made the move from advertising to analyst and am regularly able to go above and beyond with forecasts and deeper analyses." — [Julie Albers](#) "Probably the best professional decision I ever made." — [William Henry](#)

"This degree opened the door for me to the industry." — [Wenjuan Zhang](#) "The degree gave me practical applied skills that proved valuable to my current employer. They were confident that I could make an impact on their research project from the get-go with little training and advising." — [James Shaffer](#)

"The curriculum went beyond the technical aspects of the statistical procedures and included a strong focus on communicating with non-statistical clients and stakeholders — skills that will make or break a great statistician in the real world." — [Justin Boland](#)

"I am extremely glad I made the decision to attend West Chester University's Applied Statistics program. Not only was I confident and ready for a wonderful career path, I was able to decide ahead of time where and how I would use my applied statistical skills." — [Mercy K. Atuahene](#)