



# Geospatial Education



**PennState**  
World Campus

A world of possibilities.  
Online.



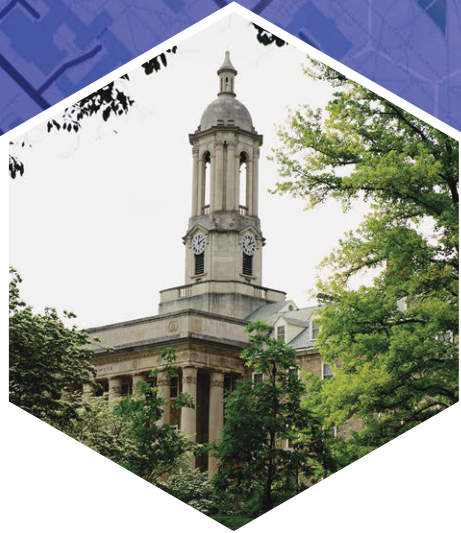
**PennState**  
World Campus

# A leader in online learning since 1998

Let's talk about your future.  
Contact us at [info@gis.psu.edu](mailto:info@gis.psu.edu)  
or 877 778 4471.

Online

# Geospatial



“I was given the flexibility to craft my educational agenda based on my career aspirations. That’s what made my Penn State experience life-changing.”

—Sarah Linden  
Master of Geographic Information Systems



# Education

## 7 Online Programs

As a student in one of our seven online geospatial programs, you will have the opportunity to learn career-relevant skills and competencies that can be put to work in a number of commercial and public sector fields. And all of our programs are offered completely online, with no residency requirements whatsoever.

## Recognized, award-winning online programs

For two decades, Penn State World Campus and the College of Earth and Mineral Sciences' Department of Geography have been offering high-quality online geospatial education, conferring degrees and certificates to thousands of working professionals.

Our comprehensive curriculum has been carefully designed to prepare you for challenging positions in a wide range of geospatial fields, with fresh, innovative course content focused on cutting-edge technologies and concepts.



# Online Geospatial Master's Degree Program

## Topics covered

include geospatial software development and programming, open source solutions, web mapping and cartography, remote sensing, advanced analytical techniques, project management, and spatial database design.

## Master of Geographic Information Systems (MGIS)

Gain the skills you need to effectively design and apply complex geospatial enterprises to solve real-world problems as a student in this 36-credit online MGIS program. You can:

- › learn effective design, management, and application of geographic information technologies to support complex problem-solving
- › develop the technical and analytical competencies required to serve as a leader in private and public geospatial technology organizations
- › concentrate your course work through GEOINT and Geodesign options, or take additional electives to specialize in the core major

See a complete course list at:

**[worldcampus.psu.edu/mgiscourses](http://worldcampus.psu.edu/mgiscourses)**





## GRE waivers

available for  
experienced  
applicants

ms

### Topics covered

include lidar, disaster communication, location intelligence, cyber-geography, emergency management planning with GIS, remote sensing, and advanced imagery analysis.

## Master of Professional Studies in Homeland Security— Geospatial Intelligence (GEOINT) Option

This 33-credit master's program is designed to help you increase the skills and knowledge you need as an analyst to produce accurate intelligence to help save lives, improve government, and mitigate threats to private and public sector organizations. As a student, you will:

- › study domestic and global issues related to homeland security
- › discover how GEOINT is applied in national security, international relief work, and disaster management
- › see how remotely sensed imagery and elevation data is used to improve decision-making

See a complete course list at:

[worldcampus.psu.edu/hlsgeocourses](http://worldcampus.psu.edu/hlsgeocourses)

# Online Geospatial Postbaccalaureate Certificates

## Geographic Information Systems (GIS)

Gain a strong foundation of GIS skills and spatial analysis methods by using the most up-to-date tools and methods and applying them to real-world problems. Focus on the essentials if you are new to the geospatial industry, or boost your existing skill set if you're already a seasoned professional.

## GEOINT Applications

Acquire fundamental knowledge of key geographic concepts, geospatial problem-solving techniques, and geographic information technologies necessary to confront a wide array of challenges, including location intelligence, emergency management, and military operations.

View more details and course lists at:  
[worldcampus.psu.edu/geospatial](https://worldcampus.psu.edu/geospatial)

Choose from  
**30 courses**  
to customize  
your learning



# Online Geospatial Graduate Certificates

## GEOINT Analytics

Enhance your ability to apply spatial tools and analyze data to solve problems and then effectively communicate and leverage your findings. This program is an ideal choice if you work in national security, disaster response, resource preservation, or business intelligence.



## Remote Sensing and Earth Observation

Leverage data gathered from satellites, drones, sensors, and lidar to solve complex geospatial problems. Discover how to apply computational methods to automate the analysis of earth observation data and integrate those skills into a GIS workflow.

## Geodesign

Develop the skills you need to take the lead on complex environmental design problems that require the synthesis of geographic knowledge, geospatial analysis, and best practices of design. This program is ideal if you are employed in urban planning and design.

View more details and course lists at:  
[worldcampus.psu.edu/geospatial](http://worldcampus.psu.edu/geospatial)



# Flexible, Personalized Learning

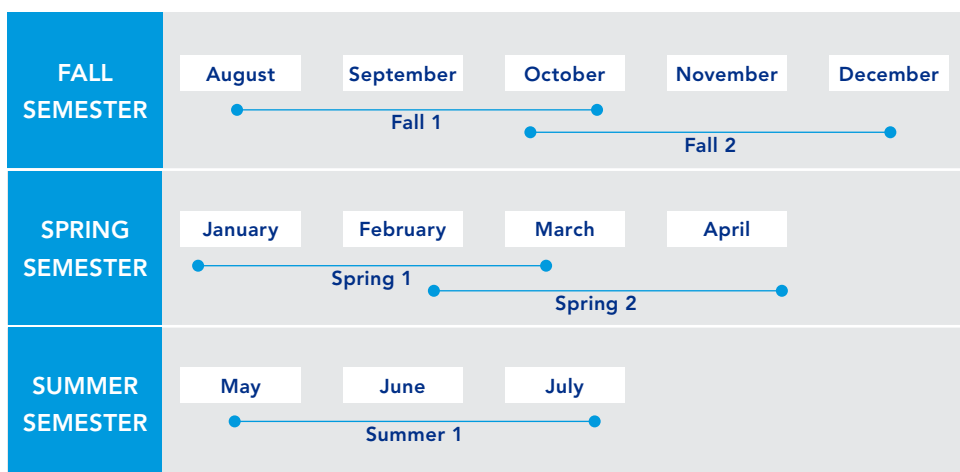
## Stackable options


Many students begin their Penn State geospatial studies in one of our online postbaccalaureate or graduate certificate programs. Credits earned while completing a certificate can also be applied toward a master's degree, if you are accepted into a program.

## Flexible scheduling

Our geospatial courses are offered in five 10-week terms. You have the freedom to schedule your courses with or without overlap, taking simultaneous courses to finish sooner, or extending your education over a longer duration. You can choose the learning style that works best for you!

## Online geospatial courses are available year-round





Earn a Penn State  
certificate in  
as little as

**9 months**



# 100% Online Learn From the

## A pioneer in online education

Penn State has been offering online geospatial education longer than any other provider in the United States. Additionally, World Campus was the first to offer a comprehensive GEOINT program in a 100% online format, delivering courses on emerging topics like lidar, drone mapping, and open web mapping.

Our faculty members bring a wealth of real-world experience into their teaching, and are wholly dedicated to helping you succeed in your field of choice.

“The program gave me the chance to broaden my horizons. The breadth of the material, combined with the diverse backgrounds of students and faculty, provided me with opportunities to rethink my understanding of what GIS is and what it can be used for.”

—John Pritchard, Master of  
Geographic Information Systems

**20 years**  
of quality online  
GIS education

# Leader

“I’ve learned how to do something extremely valuable from every class I’ve taken, whether it’s using new imaging techniques, measuring the slopes of mountains to determine boundaries, or developing a geodatabase. It’s all helped me to significantly expand my knowledge base.”

—Parrish Henderson  
GEOINT Analytics Certificate and  
Master of Geographic Information Systems

**Service members, veterans, and their families** have access to benefits including specialized support services, tuition reductions, and academic flexibility during deployment.

Learn more at  
[worldcampus.psu.edu/gis4military](https://worldcampus.psu.edu/gis4military).

## The Penn State difference

Penn State World Campus, a top-ranked provider of online education, partners with distinguished Penn State academic colleges to offer a high-quality education to students everywhere. Our convenient online learning format allows you to pursue your education at your own pace without interfering with your professional and personal responsibilities.

As a Penn State World Campus student, you’ll enjoy the same support services as a residential student: admissions counseling, assistance with course scheduling and registration, 24/7 HelpDesk, career services, and more. Upon graduation, your diploma will be identical to one earned by a resident student, with no indication that your courses were completed online.

Visit us at [worldcampus.psu.edu/geospatial](https://worldcampus.psu.edu/geospatial)

# Accredited and recognized for excellence in online education



## Penn State College of Earth and Mineral Sciences

Department of Geography

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## Penn State World Campus

The Pennsylvania State University

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University Park PA 16802

Begin your application online.

Visit [pennstategis.com](http://pennstategis.com) and click "Start Today."



**PennState**  
World Campus

*Please note that application requirements may vary by program. All applicants must hold a baccalaureate degree from a regionally accredited U.S. institution, or a postsecondary degree that is deemed comparable.*

*Landsat images courtesy of the U.S. Geological Survey.*

**This publication is available in alternative media on request.**

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