



# Applied GeoAI Certificate

Contact: CAPS  
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 Website: <https://caps.washu.edu/programs/certificates/certificate-in-applied-geoai/>

*this program. If you are an F-1 or J-1 student and wish to enroll in a CAPS program while here on a Visa, please contact our recruitment team to discuss your options for face-to-face program enrollment. F-1 and J-1 students should not enroll in online courses or programs without first consulting the university's Office for International Students and Scholars (OISS).*

## Requirements

## Certificate in Applied GeoAI

### Required Courses: 13 units

| Code                   | Title                            | Units     |
|------------------------|----------------------------------|-----------|
| CAPS-GIS 3000          | Advanced GIS                     | 3         |
| CAPS-GIS 4035          | Applications in Imagery Analysis | 3         |
| CAPS-GIS 4505          | Advanced Imagery Analysis        | 3         |
| New course coming soon | Introduction to GeoAI            | 3         |
| New course coming soon | GeoAI Portfolio                  | 1         |
| <b>Total Units</b>     |                                  | <b>13</b> |

### Elective Courses: 3 units

Learners choose from the following:

| Code          | Title                            | Units |
|---------------|----------------------------------|-------|
| CAPS-GIS 3010 | GIS Programming                  | 3     |
| CAPS-GIS 4010 | Spatial Data Modeling and Design | 3     |

Other courses with approval.

## Prerequisites

Students should have completed Introduction to GIS and Programming with Python or have equivalent experience in GIS and Python to pursue this certificate.

| Code                    | Title                   | Units |
|-------------------------|-------------------------|-------|
| CAPS - DATASTUDIES 2335 | Programming With Python | 3     |
| CAPS-GIS 2000           | Introduction to GIS     | 3     |

*This program is offered either mostly or fully online. Students entering the U.S. on an F-1 or J-1 Visa must enroll in a program full time. F-1 students are only permitted to enroll in one online course per semester and J-1 students may only enroll in non-credit online courses that do not count toward their degree program. CAPS cannot guarantee face-to-face enrollment options each semester of full time enrollment, therefore cannot issue an I-20 or DS 2019 to F-1 and J-1 students for*