

COMPUTER VISION GRADUATE CREDIT CERTIFICATE PROGRAM

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| Person-in-Charge | Raghu Sangwan |
| Program Code | MAICV |
| Campus(es) | Great Valley World Campus |

The Computer Vision Graduate Certificate prepares students for working as a CV Engineer responsible to analyze, identify, architect, design, and implement computer vision based systems. Students master the following skill set essential to this industry role:

- Identifying computer vision tasks
- Framing machine vision problems (image classification, objective detection, image segmentation, activity detection, etc.)
- Designing computer vision pipelines to collect and preprocess images and videos
- Building and evaluating computer vision models based on deep neural networks and statistical machine learning techniques
- Deploying computer vision models on cloud-based infrastructure, servers, and embedded devices

Courses taken in the certificate program may be applied toward a master's degree in Artificial Intelligence, subject to restrictions outlined in GCAC-309 Transfer Credit (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-309-transfer-credit/>). Certificate students who wish to have certificate courses applied towards a graduate degree must apply and be admitted to that degree program. Admission to the graduate degree program is a separate step and is not guaranteed.

Effective Semester: Spring 2024
Expiration Semester: Spring 2029