



Graduate Certificate in Data Analytics

The Data Analytics Graduate Certificate prepares students for working as a Data Analyst, Information Officer, or Quantitative Analyst responsible for presenting data in visual and meaningful ways, creating analytics solutions for business problems, using data to determine optimal solutions for business problems, providing technical leadership on data-related activities, and using quantitative methods to support business decisions. Students master the following skill set essential to this industry role:

- Machine learning
- Analytical skills
- Reporting and visualization
- Knowledge of data storage models
- Problem solving

The Graduate Certificate in Data Analytics will be awarded upon successful completion of the 9-credit curriculum below. The courses are not listed in sequential order. All course work should be completed within two years of starting the certificate program. Students should e-mail questions to EngHelp@psu.edu.

9-Credit Required Curriculum			
Course #	Course Title	Semester Completed	Grade
DAAN 846	Network and Predictive Analytics for Socio-Technical Systems		
DAAN 871	Data Visualization		
DAAN 881	Data-Driven Decision Making (Prereq: STAT 500)		

Note: Students must maintain a minimum grade point average of 3.0 (B) throughout the program. Courses may be applied to master's programs if admitted as a degree-seeking student. If degree-seeking, you must formally apply for degree admission. Up to 15 credits earned may be transferred to a master's degree, subject to restrictions outlined in [GCAC-309 Transfer Credit](#). Completing this certificate does not guarantee admission to a degree program. To be awarded the graduate certificate, students must successfully complete 9 credits of course work. Students must complete each course with a grade of C or better, and an overall grade-point average of 3.0 in the certificate courses.

Questions & Advising - Students should contact EngHelp@psu.edu with any questions.

After successfully completing the required course work, please submit a Graduate Certificate Completion Form found at <http://greatvalley.psu.edu/form/graduate-certificate-completion-form>.