

The Graduate Certificate in Data Analytics will be awarded upon successful completion of the 15-credit curriculum below. The courses are not listed in sequential order. All course work should be completed within three years of starting the certificate program. Please verify that course prerequisites are met.

12 Credit Core Curriculum	
Course #	Course Titles
STAT 500	Applied Statistics
DAAN 871	Data Visualization for Analytics
IE 575	Foundations of Predictive Analytics (<i>Prerequisite: STAT 500</i>)
SWENG 545	Data Mining (<i>INSC 521 is NOT a required prerequisite</i>)
3-Credit Elective Curriculum (Choose ONE of the courses below)	
Course #	Course Titles
DAAN 570	Deep Learning
DAAN 862	Analytics Programming in Python (<i>Prerequisite: STAT 500</i>)
DAAN 881	Data-driven Decision Making (<i>Prerequisite: STAT 500</i>)
INSC 521	Database Design Concepts
INSC 846	Network and Predictive Analytics for Socio-Technical Systems

Advising Worksheet

12 Credit Core Curriculum			
Course #	Course Titles	Semester	Grade
STAT 500	Applied Statistics		
DAAN 871	Data Visualization for Analytics		
IE 575	Foundations of Predictive Analytics (<i>Prerequisite: STAT 500</i>)		
SWENG 545	Data Mining (<i>INSC 521 is NOT a required prerequisite</i>)		
3-Credit Elective Curriculum			
Course #	Course Titles	Semester	Grade

Students must maintain a minimum grade point average of 3.0 (B) throughout the program. Courses may be applied to the Master of Professional Studies in Data Analytics. If degree-seeking, you must formally apply for degree admission; completing this certificate does not guarantee admission to the degree program.

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