



**Graduate Certificate in Data Analytics**  
**Core and Elective Courses**

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.

**Students should e-mail questions, requests for course substitutions and approvals to [enghelp@psu.edu](mailto:enghelp@psu.edu).**

<b>12 Credit Core Curriculum</b>	
<b>Course #</b>	<b>Course Titles</b>
STAT 500 or BUSAD 501	Applied Statistics or Statistical Analysis for Managerial Decision Making
DAAN 871	Data Visualization for Analytics
DAAN 897	Enterprise Analytics Strategies
IN SC 525 or SWENG 545	Applied Data Mining or Data Mining
<b>3-Credit Elective Curriculum</b>	
<b>Choose one of the courses below</b>	
<b>Course #</b>	<b>Course Titles</b>
BAN 540	Marketing Analytics
DAAN 822	Data Collection and Cleaning
DAAN 825	Large-Scale Database and Warehouse
DAAN 881	Data-driven Decision Making
IE 575	Foundations of Predictive Analytics
INSC 521	Database Design Concepts
SYSEN 536	Decision and Risk Analysis

**Advising Worksheet**

<b>12 Credit Core Curriculum</b>			
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DAAN 871	Data Visualization for Analytics		
DAAN 897	Enterprise Analytics Strategies		
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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>