

# SYSTEMS DATA ANALYTICS GRADUATE CREDIT CERTIFICATE PROGRAMS

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## Certificate Requirements

Requirements listed here are in addition to requirements listed in Graduate Council policy GCAC-212 Postbaccalaureate Credit Certificate Programs (<https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-212-postbaccalaureate-credit-certificate-programs/>).

Code	Title	Credits
<b>Required Courses</b>		
ENGMT 520	Systems Optimization	3
SYSEN 532	Simulation in Systems Engineering: Discrete-Time Systems	3
SYSEN 536	Decision and Risk Analysis in Engineering	3
<b>Total Credits</b>		<b>9</b>

All courses must be completed with a minimum grade of C or better and an overall GPA of 3.0.