



Graduate Certificate in Software Architecture and Design

The Software Architecture and Design Graduate Certificate prepares students to work as a Lead Software Designer or Software Architect responsible for analyzing, architecting, designing, implementing, and managing the technical development aspects of a software system. Students master the following skill set essential to these industry roles:

- Architecture
- Design
- Programming
- Development Methodologies
- Configuration Management
- Continuation Integration and Deployment

The Graduate Certificate in Software Architecture and Design 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
SWENG 887	Software Systems Architecture (formerly SWENG 587)		
SWENG 837	Software Systems Design		
SWENG 861	Software Construction		

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>.