Certificate of Graduate Study (COGS)
Software Engineering

Program Information

The Certificate of Graduate Study (COGS) in Software Engineering is designed to offer students the opportunity of a specialized study to provide students with experience in key courses of this discipline at the graduate level.

Certificate of Graduate Study in Software Engineering 12 s.h.

Students seeking this COGS will be required to take 1 required course and 3 restricted electives. This COGS is "stackable." That is, all of the courses count for the MS in Computer Science.   All courses are 3 semester hours.

Required Courses:	Counts As:
CS 04524 Agile Software Engineering	Elective course for MS in Computer Science
Elective Courses:	**Counts As:**
CS 02530 Advanced Database Systems: Theory and Programming	Elective for MS in Data Science and MS in Computer Science
CS 02630 Advanced Topics in Database Systems	Elective for MS in Data Science and MS in Computer Science
CS 04515 Embedded Systems Programming	Elective course for MS in Computer Science
CS 04548 Programming Languages: Theory, Implementation and Application	Elective course for MS in Computer Science
CS 04563 Parallel and Concurrent Programming	Elective course for MS in Computer Science
CS 04580 Human Centered Computing	Elective course for MS in Computer Science
CS 04623 Advanced Software Engineering	Elective course for MS in Computer Science
CS 04670 Advanced Object-Oriented Design	Elective course for MS in Computer Science