



The Volgenau School of Engineering

SOFTWARE ENGINEERING MINOR

2011-12

Is your major engineering, computer science, mathematics, science, or finance? If so, you will almost certainly spend a lot of your time as a professional writing software. Do you want to be a person who writes really bad programs, or a person who works in collaborative teams to write really good programs? If you want to contribute strongly to your company, then the software engineering minor is exactly what you need. By sharing initial requirements with several majors in engineering and science, it will only take 2 or 3 extra courses for you to complete this valuable minor.

The software engineering minor emphasizes building software that is usable, reliable, safe, secure, and maintainable, as well as the customary emphasis on efficiency and time-to-market.

Requirements for all minor candidates:

CS 112	4 hours	Introduction to Computer Programming
CS 211 or CS 222	3 hours	Object-Oriented Programming or Computer Programming for Engineers

Elective requirements: three courses chosen from the following:

SWE 205	3 hours	Software Usability Analysis and Design
CS/SWE 321	3 hours	Software Requirements and Design Modeling
CS/SWE 332	3 hours	Object-Oriented Software Design and Implementation
SWE 432	3 hours	Design and Implementation of Software for the Web
SWE 437	3 hours	Software Testing and Maintenance
SWE 443	3 hours	Software Architectures

This totals 16 hours of credit. At least 8 credits must be used only for the minor and not for the student's major, and students must have a minimum GPA of 2.0 in the minor.

Whatever your major, this minor will make you more marketable when you graduate.

We invite requests for additional information. Please contact:

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