



# Course Competency Report by Code

Code: C188

## Software Engineering (C188)

Course of Study: C188 - Software Engineering  
Course Level: Undergraduate  
Course Division: Lower Division Major  
Discipline: Information Technology  
Course Type:  
Department: Information Technology

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
4020.1.1	Introduction to Software Engineering	The graduate describes software and legacy software; the core principles of software engineering, the generic process framework, introductory software engineering concepts and terms; and selects appropriate model activities when given project descriptions.
4020.1.2	Software Engineering and Process Models	The graduate describes software engineering process models (e.g., waterfall, agile methodologies) and selects appropriate models when given project descriptions.
4020.1.3	Requirements Engineering	The graduate defines requirements engineering concepts, describes requirements engineering processes, and selects appropriate graphical models for specific projects.
4020.1.4	Software Design Concepts, Including Architecture	The graduate describes software design and design concepts and classes and identifies appropriate uses of design concepts for specific projects.
4020.1.5	Quality Concepts, Software Quality Assurance, and Software Testing	The graduate describes quality assurance processes and explains how to implement quality and software testing concepts in specific cases.