



Course Competency Report by Code

Code: C171

Systems and Services - Foundations (C171)

Course of Study: C171 - Systems and Services - Foundations
Course Level: Undergraduate
Course Division: Lower Division Major
Discipline: Information Technology
Course Type:
Department: Information Technology

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
4012.1.1	Computer Architecture	The graduate identifies, describes, and differentiates between various elements and technologies of computer architecture, hardware components, functions, and computer classes.
4012.1.2	Operating Systems and Applications	The graduate understands different types of software, including application software, system software, operating systems, and application development software.
4012.1.3	Computer Data Representation	The graduate understands how to properly represent and convert data to various data representations in computer systems.
4012.1.4	Processor Technology	The graduate identifies and describes computer processor types, functions, features, and capabilities.
4012.1.5	Threading	The graduate describes how operating systems manage processes and threads.
4012.1.6	API	The graduate explains the need for program interfaces, including Application Programming Interfaces.
4012.1.7	Input/Output	The graduate describes and distinguishes between the different types of input and output devices in a computer system.
4012.1.8	Computer Networks and Services	The graduate identifies and describes the basic network functions and services of a computer system.