



Course Competency Report by Code

Code: C173

Scripting and Programming - Foundations (C173)

Course of Study: C173 - Scripting and Programming - Foundations
Course Level: Undergraduate
Course Division: Lower Division Major
Discipline: Information Technology
Course Type:
Department: Information Technology

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
4015.1.1	Introduction to Computer Programming	The graduate performs basic computer programming including working with data types, constants, variables, operator types, expressions, and functions.
4015.1.2	Basic Constructs of Programming	The graduate implements basic constructs of programming, including working with control structures.
4015.1.3	Object-oriented Concepts	The graduate integrates the object-oriented programming paradigm in scripting and programming.
4015.1.4	Algorithms	The graduate analyzes algorithms, including algorithm efficiency, and recursion.
4015.1.5	Design Process, UML, and Other Languages	The graduate identifies steps of the design process, UML diagrams, and different programming languages and their applications.