

Certificate of Undergraduate Study (CUGS) Fundamental Computing

Program Information

The Certificate of Undergraduate Study (CUGS) in Fundamental Computing is designed to offer students the opportunity of a specialized study to provide students with experience in key courses of this discipline at the undergraduate level.

Certificate of Undergraduate Study in Fundamental Computing 12 s.h.

Students seeking this CUGS will be required to complete a total of 4 courses with 1 course from each of the 4 domains of computing. This CUGS is **NOT** available to Computer Science majors or Computing and Informatics majors.

Domain #1: Programming	S.H.
CS 01102 Introduction to Programming	3
CS 01104 Introduction to Programming and Problem Solving	3
CS 04110 Introduction to Programming Using Robots	3
CS 04103 Computer Science and Programming	3
Domain #2: Mobile Applications	
CS 04171 Creating Android Applications	3
CS 10271 Introduction to Android Programming	3
CS 10275 Introduction to iOS Application Programming	3
Domain #3: Applied Computing Technologies	
CS 01105 Web Literacy	3
CS 01101 Computer Science Principles	3
CS 01110 Computing Environments	3
CS 01190 Introduction to Computer Game Modeling	3
MIS 02305 Business Applications of Blockchain	3
Domain #4: Network and Security	
CST 09210 Introduction to Networks and Data Communications	3
CS 01211 Principles of Information Security	3
MIS 02315 Principles of Information Security	3
MIS 02327 Network Management	3