De La Salle University

Postgraduate Diploma in Computer Science (DipCS)

The Postgraduate Diploma in Computer Science (DipCS) program is specifically designed to provide an excellent opportunity for non-CS graduates to learn the fundamental theories in Computer Science and apply these concepts in pursuing graduate studies in IT and CS-related courses. The program also trains them for careers in software development and computing services industry.

Objectives

The DipCS program aims to develop in its students:
• a working foundation of computer science concepts;
• the basic skills in analysis and design of information systems to implement IT solutions addressing the needs of the community; and
• the core knowledge to pursue highly technical and innovative computing projects.

Prospective students for this program are non-IT professionals in the academe, the industry and/or the government.

Curriculum

Basic Courses (24 units)

- CSC506C — Discrete Mathematics and Structures
- CSC502C — Logic Formulation and Java Programming
- CSC504C — Object-Oriented Programming with Java
- CSC505C — Data Structures and Algorithms
- CSC511C — Operating Systems and Systems Software
- CSC512C — Computer Organization and Assembly Programming
- CSC514C — Database Applications Development
- CSC515C — Theory of Computation

Total 24 units