

INFORMATION COMPUTER SCIENCES (ICS)

ICS C123 **3 Units (36 lecture hours; 54 lab hours)**

Fundamental Data Structures

Prerequisite(s): INFM C141 and C142 and PHIL C115 and ENGL C100 with grades of C or better.

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU; UC.

An introduction to computer science. Strong emphasis on data structures: what various ones are, how they are used, and the pros and cons, in terms of execution time and memory usage, of choosing one over another. Graded or Pass/No Pass option.

ICS C141 **3 Units (45 lecture hours; 27 lab hours)**

Concepts Of Programming Languages 1

Prerequisite(s): INFM C141 and C142 and C143 and C144 and ICS C123 and PHIL C115 and ENGL C100 with grades of C or better.

Grading Mode: Standard Letter, Pass/No Pass

Transfer Credit: CSU; UC.

Explore a broad range of approaches to programming, the technical principles and characteristics of different programming languages, and the issues that programming language designers must consider. Graded or Pass/No Pass option.