

ELEC1601: Introduction to Computer Systems - Course Information

Unit: ELEC1601: Introduction to Computer Systems (6 CP)

Mode: Normal-Day

On Offer: Yes

Level: Junior

Faculty/School: School of Electrical & Information Engineering

Unit Coordinator/s: [Dr Boland, David](#)

Session options: Semester 2

Versions for this Unit: 2020 - Semester 2

Campus: Camperdown/Darlington

Pre-Requisites: None.

Brief Handbook Description: This unit of study introduces the fundamental digital concepts upon which the design and operation of modern digital computers are based. A prime aim of the unit is to develop a professional view of, and a capacity for inquiry into, the field of computing.

Topics covered include: data representation, basic computer organisation, the CPU, elementary gates and logic, machine language, assembly language and high level programming constructs.

Assumed Knowledge: HSC Mathematics extension 1 or 2