

CPET 215C : Integrated Circuits and Interfacing

For CPET and other NON-EET majors. Supplements ELET 115C with basic linear and interface electronics. Topics covered include simple power supplies, op-amps, stepper motors, A/D and D/A conversion, and interfacing a computer bus. Advanced digital topics such as synchronous logic, programmable logic devices and digital signal processing will also be covered. The labs demonstrate real world implementation of otherwise abstract academic concepts. Fluency with the use of test equipment and debugging skills will also be stressed in the lab environment.

Credits 4

Lab/Practicum/Clinical Hours 3

Lecture Hours 3

Recommended Prerequisites

It is strongly recommend the student having previously taken or to be concurrently taking ELET 144C.

Prerequisite Courses

CPET 107C

ELET 101C

ELET 115C

Co-Requisite Courses

CPET 107C

ELET 101C

ELET 115C