

Department of Physics

Changes to the Electronics Majors and Minors

For students beginning their Major/Minor in 2010/2011

1. All students registering for level 2 ELET courses must have passing grades in ELET1400 and ELET1405. These are strict prerequisites for all Level 2 electronics courses.
2. As of the academic year 2010 – 2011, students who are pursuing a MINOR in ELECTRONICS must successfully complete the following core courses:

ELET2405: Practices in Electronics I (3-credits)

ELET2415: Practices in Electronics II (3-credits)

ELET2470/P24G: Electrical Circuit Analysis (3-credits)

ELET2430/P24K: Digital Circuits and Microprocessors (3-credits)

ELET2410/P24J: Analysis and design of Analogue Circuits (3-credits)

These courses constitute a basic core level of understanding of electronics. Note that these courses total 15 Credits and in the current system, 16 credits are required for a minor. Therefore, the student may take any other ELET course to fulfill this minor.

3. Given the introduction of new Level 3 courses, a major in electronics now constitutes the following:

Core courses (21 credits)

*ELET2405: Practices in Electronics I (3-credits)

*ELET2415: Practices in Electronics II (3-credits)

*ELET2470: Electrical Circuit Analysis (3-credits)

*ELET2430: Digital Circuits and Microprocessors (3-credits)

*ELET2410: Analysis and design of Analogue Circuits (3-credits)

*ELET3405: Practices in Advanced Electronics

*ELET3490: Electronics Project

Any 4 of the following courses with at least 2 Level-3 courses:

ELET2460/P24F: Signals and Systems

ELET2480/P24H: Modern Communication Systems

ELET2450: Embedded Systems (formerly P34J)

*ELET3450: Satellite Communication and Global Navigation Satellite systems

- *ELET3480 Wireless Communication Systems
- *ELET3470 Wireless transmission and Fiber optics
- *ELET3460 Digital Signal Processing
- *ELET3412 Instrumentation
- *ELET3485 Introduction to Robotics (or its equivalent)

4. In addition to the core courses the following are the prerequisites for Level 3 courses in Sept 2010:

Level 3 Course	Prerequisites
• ELET3460/ P34F	ELET2460/ P24F
• ELET3480	ELET2480/P24H
• ELET3450	ELET2480/P24H
• ELET3485	ELET2450
• ELET3412	ELET2450
• ELET3470	ELET2480/P24H

*These courses are not available for registration until 2011/2012