

Minor in Electrical and Computer Engineering

The Minor in Electrical and Computer Engineering (ECE) can provide engineering undergraduate students with a fundamental knowledge of ECE in electricity, signals, circuits, and systems as well as a broader knowledge in a specific area of ECE.

Some majors may not be eligible to pair with this minor. See the Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) list for details.

Daytona Beach Minor Requirements

CEC 315	Signals and Systems	3
ELEC 327 & 327L	Electrical Engineering Fundamentals and Electrical Engineering Fundamentals Laboratory	4
or ELEC 223 & 223L	Linear Circuits Analysis I and Electrical Engineering Laboratory I	
CEC 220 & 220L	Digital Circuit Design and Digital Circuit Design Laboratory	4
or ELEC 302 & 302L	Electronic Devices and Circuits and Electronic Circuits Laboratory	
Option *		6

* Choose Option I or Option II

Option I - Digital

CEC Upper-Level Course *	3
CEC Upper-Level Course *	3
Total Credits	17

Option II - Analog

ELEC Upper-Level Course **	3
ELEC Upper-Level Course **	3
Total Credits	17

* Any 300/400/500 level CEC courses. Suggested pairs of courses are maintained by the ECSSE department and are available to students from the advisor for the Minor.

** Any 300/400/500 level ELEC courses. Suggested pairs of courses are maintained by the ECSSE department and are available to students from the advisor for the Minor.

Prescott Minor Requirements

ELEC 223 & 223L	Linear Circuits Analysis I and Electrical Engineering Laboratory I	4
CEC 220 & 220L	Digital Circuit Design and Digital Circuit Design Laboratory	4
or ELEC 314 & 314L	Signal and Linear System Analysis and Signal and Linear System Analysis Laboratory	
Option *		7-8

* Choose Option I or Option II

Option I - Digital

CEC 320	Microprocessor Systems	3
CEC 320L	Microprocessor Systems Laboratory	1

CPSC 223	Scientific Programming in C	3
Total Credits		15

Option II - Analog

ELEC 302	Electronic Devices and Circuits	3
ELEC 302L	Electronic Circuits Laboratory	1
ELEC 400-Level Course and Lab		4
Total Credits		16