

CU Colorado Springs BSEE Curriculum

Start
Career

Capstone Design
(4 cr)

- ECE 4890, Senior Seminar
- ECE 4899 Senior Design

Depth
(min of 11 cr)

Circuits • ECE 4211, 4220, 4230,, 4250, 4260, 4270	Computers • ECE 4320, 4330, 4340, 4362, 4480,	Comm/DSP • ECE 4610, 4615, 4630, 4655, 4660, 4675	Controls • ECE 4520, 4540, 4560	Power • ECE 3910 • ECE 4160	EM • ECE 4110	Micro Elect. • ECE 4070, 4080
--	---	---	---	--	-------------------------	---

Breadth-Lab
(min of 2 cr)

Circuits • ECE 4200, Dig Dsgn	Computers • ECE 3440, Micro Proc	Comm/DSP • ECE 4670/80, Com/DSP	Controls • ECE 4530/60, Anl/Dig		EM • ECE 4150, EM Meas	Micro Elect. • ECE 4040, VLSI Fab
---	--	---	---	--	----------------------------------	---

Breadth-Lect
(min of 12 cr)

Circuits • ECE 4340 VLSI 4242 Adv Dig	Computers • ECE 4480, Comp Arch	Comm/DSP • ECE 4625/50 Comm I/DSP	Controls • ECE 4510, Fbk Cntl	Power • ECE 4910 Pwr Sys II	EM • ECE 3120, Emag II	Micro Elect. • ECE 4020, Semi Dev
---	---	---	---	---------------------------------------	----------------------------------	---

Fundamentals

ECE Basic

- ECE 1411 Logic Circuits I
- ECE 2411 Logic Circuits II
- ECE 2610 Intro Signals & Systems
- ECE 2050 Intro Physical Electronics
- ECE 2205 & 3205 Ckts & Sys I & II
- ECE 3420, Micro Proc Systems Lab

ECE Adv.

- ECE 3020 Semiconductor Devices
- ECE 3110 Electromagnetic Fields I
- ECE 3210 3220, 3230, & 3240, Electronics I & II, Labs I & II
- ECE 3430 Micro Processor Systems
- ECE 3610 Eng. Probability & Statistics

Foundation
(see catalog)

Chemistry	Physics	Humanities	Social Science	Comm. Skills	Math	<ul style="list-style-type: none"> • ECE 1001, Intro to Robotics • ECE 1021, Comp.-Based Mod & Meth of Eng
-----------	---------	------------	----------------	--------------	------	--