

SAMPLE DEGREE PLAN

Bachelor of Science, Electrical Engineering

This degree program requires a total of 120 credit hours (CH), including 38 credit hours of the lower-division (LD) UCA Core and 40 credit hours of upper-division (3000- and 4000-level) courses. This sample degree plan demonstrates how a first-time entering freshman with no college credit can earn the degree in eight semesters. The upper-division UCA Core must be met using major, minor, or general elective courses. For general and specific degree requirements, please see the *Undergraduate Bulletin* at <https://uca.edu/ubulletin>. Consult your academic advisor for appropriate substitutions and additional information.

This degree is offered as an eight-semester degree completion program. Eligible students who follow this degree plan and complete all general and specific degree requirements in the *Undergraduate Bulletin* of the year in which they were admitted will earn this degree in eight semesters. For eligibility requirements, see <https://uca.edu/ubulletin/degreeplans/> for more information.

Year 1

Fall — Semester 1		Spring — Semester 2	
Courses	CH	Courses	CH
ENGR 1301 Introduction to Engineering	3	PHYS 1441 University Physics 1	4
WRTG 1310 Introduction to College Writing or Other approved Writing Foundation alternative	3	MATH 1496 Calculus I	4
CSCI 1470 Computer Science I	4	ENGR 1447 Circuits	4
MATH 1486 Calculus Preparation or LD UCA Core Course	3 / 4	WRTG 1320 Academic Writing & Research or ENGL 1320 Interdisciplinary Writing & Research or Other approved Research & Writing alternative	3
Total	13 / 14	Total	15

Year 2

Fall — Semester 3		Spring — Semester 4	
Courses	CH	Courses	CH
PHYS 1442 University Physics 2	4	MATH 2471 Calculus III	4
MATH 1497 Calculus II	4	MATH 3331 Ordinary Differential Equations	3
ENGR 2447 Electronics	4	MATH 3320 Linear Algebra	3
LD UCA Core Course	3	ENGR Engineering Statistics	3
		LD UCA Core Course	3
Total	15	Total	16

Year 3

Fall — Semester 5		Spring — Semester 6	
Courses	CH	Courses	CH
ENGR 3301 Signals & Systems	3	ENGR 3462 Electromagnetics	4
ENGR 3332 Engineering Math Methods	3	ENGR 3410 Microcontrollers	4
ENGR 3447 Microelectronics	4	Engineering Elective	3
Tech Elective	3	Tech Elective	2
LD UCA Core Course	3	LD UCA Core Course	3
Total	16	Total	16

Year 4

Fall — Semester 7		Spring — Semester 8	
Courses	CH	Courses	CH
ENGR 4311 Senior Design I	3	ENGR 4101 Ethics for Engineering	1
Engineering Elective	4	ENGR 4312 Senior Design 2	3
Tech Elective	3	Engineering Elective	3
LD UCA Core Course	3	WRID 3410 Technical Writing	3
	3	General Elective	3
Total	16	Total	13

This sample degree plan has been approved by the Department of Physics, Astronomy, and Engineering in the College of Science and Engineering.



SIGNED – DEPARTMENT CHAIR / SCHOOL DIRECTOR

06/05/26

DATE



SIGNED – COLLEGE DEAN

06/05/26

DATE