Major Code: 095300

The certificate of achievement in Drafting provides the student with the minimum information required for entry-level positions in the technical drafting field. It is also designed for persons seeking to enhance their advancement potential or for those who cannot pursue a full degree program or who already hold degrees in related fields. See the program learning outcomes listed under the associate's degree in this subject.

34-36 3	Additional Requir	ements (6-8 units)
37-39	ENGLISH 28	Intermediate Reading and
		Composition (3)
	or ENGLISH 100	Accelerated Prep: College Writing (3)
etry (4)	or ENGLISH 101	College Reading and Composition I
		(3)
	ENG TEK 49	Technical Mathematics II (5)
	or MATH 123A	Elementary and Intermediate Algebra
		I (4)
rafting (3)	or MATH 123B	Elementary and Intermediate Algebra
(4)		II (4)
3)	or a higher level m	ath course (3-5)
(3)		
	Recommended for	students also pursuing an engineer
2)	major.	
-	Effective Fall 2017	
	34-36 3 37-39 etry (4) (4) (3) (3) (2)	34-36 3Additional Requir ENGLISH 28atrafting (3) (4) (3)or ENGLISH 100 or ENGLISH 101etry (4)ENG TEK 49 or MATH 123Aor afting (3) (4) (3)or A higher level major. Effective Fall 2017

Electronic Engineering Technology

Associate in Science Degree in Electronic Engineering Technology

Major Code: 093401

This course of study combines theory with manipulative skill training, vocabulary, use of test equipment, and the technical knowledge required for employment in the Electronics Industry. Skilled technologists may find employment with a wide variety of industrial and government contract firms dealing with aerospace, computers, aviation, automotive, quality control, circuit design, and research and development. Though this program is not specifically designed for transfer, Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead, depending on their intended transfer institution.

Program Learning Outcomes: Upon successful completion of the program, students will able to articulate and justify technical problems through oral, written, and graphical communication; troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls; employ mathematics, science, and computing techniques in a systematic, comprehensive manner to support the study and solution of engineering problems; demonstrate industry-standards when interpreting and creating engineering drawings; and describe professional and ethical responsibilities in engineering.

Major 2 Additional LACCD GE Requirements 2 (Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.) 1 Additional Degree-applicable Requirements 1		28 21	ELECTRN 6 ELECTRN 7 ELECTRN 16	Fundamentals of Electronics II (4) Fundamentals of Electronics II Lab (1) Selected Elements of Electronics Mathematics (5)
Total Major (32 units) CO TECH 35 ELECTRN 4 ELECTRN 5	Linux + (3) Fundamentals of Electronics (4) Fundamentals of Electronics I Lab (60	ELECTRN 22 ELECTRN 054 ENG TEK 49 ENG TEK 81 Effective Fall 2017	Electronics Circuits II (4) Computer Logic and Arithmetic (4) Technical Mathematics II (5) Fabrication Techniques (1)

Updated program learning outcomes may appear on one or both of the following websites: http://www.lahc.edu/slo/program.html and/or https://effectiveness.lahc.edu/cpc/haps/SitePages/2015-18_SLO-SAO_Assessment.aspx. If so, those listed on the latter site supersede all others.

Certificate of Achievement in Electronic Technology

Major Code: 093400

The certificate of achievement in Electronic Technology provides the student with the minimum training required for entrylevel positions in the electronics field. See the program learning outcomes listed under the associate's degree in this subject.

Major (Core and E Additional Require Total	lectives) ements	29 8 37	ELECTRN 7	Fundamentals of Electronics II Lab (1)
0			ELECTRN 16	Selected Elements of Electronics
Core (19 units)				Mathematics (5)
CO TECH 35	Introduction to Linux + (3)		ELECTRN 20	Electronics Circuits I (4)
ELECTRN 4	Fundamentals of Electronics (4)		ENG TEK 81	Fabrications Techniques (1)
ELECTRN 6	Fundamentals of Electronics II (4)			
			Additional Requirements (8 units)	
			ENGLISH 28	Intermediate Reading and
ELECTRN 22	Electronics Circuits II (4)			Composition (3)
ELECTRN 54	Computer Logic and Arithmetic (4)		or ENGLISH 100	Accelerated Prep: College Writing (3)
	1 0 ()		or ENGLISH 101	College Reading and Composition I
Electives (choose <u>5</u> units minimum)			(3)	
DRAFT 1	General Drafting (3)		Eng Tek 49	Technical Mathematics II (5)
ELECTRN 5	Fundamentals of Electronics I Lab ((1)	U U	
		、 <i>′</i>	Effective Fall 2017	

Engineering

Associate in Science Degree in Engineering

Major Code: 090100

This program provides the student with the opportunity to experience a broad introduction into the field of engineering and aid in his or her selection of a specific area of specialization within the broad spectrum of engineering. This degree requires greater than 60 units and therefore may take more time to complete than other degrees.

Program Learning Outcomes: Upon successful completion of the program, students will able to articulate and justify technical problems through oral, written, and graphical communication; troubleshoot a variety of electronic and/or computer-based components and systems including signal processing, communications, computer networks, and controls; employ mathematics, science, and computing techniques in a systematic, comprehensive manner to support the study and solution of engineering problems; demonstrate industry-standards when interpreting and creating engineering drawings; and describe professional and ethical responsibilities in engineering.

Major Requireme	ents	53*62	DRAFT 16	Blueprint Reading I (2)
(Not including 6 double-countable major units and 3 Area E units that			DRAFT 51	Tooling Drafting (4)
to transfer are advised	to use either the CSU GE or IGETC pla	an instead.)	or ENG GEN 112	Elementary Engineering Drafting (3)
Additional LACC	D GE Plan Requirements	9	DRAFT 55	Computer-Aided Drafting (3)
Total		65*-74	or ENG GEN 111	Engineering Drafting (3)
	4-)		ENG GEN 112	Descriptive Geometry (3)
Major (53*-62 units)		ENG GEN 243	Statics and Strength of Materials (4)	
CHEW 05	or high school chomistry (apr	uy (4)	ENG GEN 912	Elementary Engineering Drafting (3)
	or high school chemistry (app	noved by	MATH 240	Trigonometry (3)*
CHEM 101	General Chemistry (5)		MATH 260	Precalculus (5)*
	Conorol Chemistry (5)		MATH 265	Calculus with Analytic Geometry I (5)
	Brogramming in Cuu (2)		MATH 266	Calculus with Analytic Geometry II (5)
cc 3cl 340	Programming in Love (2)		MATH 267	Calculus with Analytic Geometry III (5)
01 00 301 344	Flogranning in Java (3)		MATH 275	Ordinary Differential Equations (3)

Program listings do not include basic skills prerequisites for college-level courses or prerequisites for GE courses. Numbers appearing in parentheses beside each course title represent course units. Courses may not be offered every term. Students are strongly advised to see a counselor prior to enrolling in any program.