



Automated Systems Technician A.S. Degree - Cal-GETC GE

This program map represents one possible path for completing this program. **Please see a counselor** to create an educational plan that is customized to meet your needs. This path is not a guarantee of course availability or financial aid applicability.

Catalog: 2025-26

Total Units: 70-71

First Year

Semester 1

16-17 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	ET 305 [^]	DC/AC Theory and Circuit Fundamentals	4	
Maj	ET 306	Electronics Fabrication and Soldering Techniques	2	
Maj	ET 314 ^{+^}	Mathematics for DC/AC Theory and Circuit Fundamentals	3	
Maj	ET 340	Basic Microprocessors	4	
GE	ENGL C1000 [*] / ENGWR 488 ^H / ESLW 340	Academic Reading and Writing	3-4	Cal-GETC Area 1A

[^]Corequisite for ET 305: ET 306 & 314

⁺ Prerequisite for ET 314: One year of high school algebra with a grade of "C" or better, or qualifying mathematics assessment test scores or equivalent

[^]Corequisite for ET 314: ET 305

*If you don't place directly in ENGL C1000 (check your eServices account), you will need to take ENGWR 80/ENGL C1000 combo course.

Semester 2

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	ET 322 ^{+^}	Semiconductors and Nanotechnology	4	

Legend

- (H) - Honors
- Elec - Elective
- GE - General Education
- Maj - Required Core
- ME - Major Elective

Disclaimer

Every effort has been made to ensure that what is listed in the SCC Program Paths are accurate. The courses, the course sequencing, and the programs are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College at the discretion of the district and Sacramento City College. Further, Sacramento City College reserves the right to amend any course or program.

PLEASE SEE AN SCC COUNSELOR.

AA/AS Requirements

Associate Degrees require the following:

1. Completion of a minimum of 60 degree-applicable units with an overall grade point average (GPA) of 2.0 ("C" average). A minimum of 12 units must be completed within the Los

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	ET 335 ⁺	Integrated Circuits with Computer Applications	4	
Maj	ET 390 ⁺	Microprocessor Systems - Troubleshooting	3	
GE		Critical Thinking and Composition	3	Cal-GETC Area 1B

+ Prerequisite for ET 322: ET 305 with a grade of "C" or better

^Corequisite for ET 322: ET 314; completion of or concurrent enrollment in ET 314

+ Prerequisite for ET 335: ET 305 with a grade of "C" or better

+ Prerequisite for ET 390: ET 340 with a grade of "C" or better or equivalent

Summer Term

6 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		Social and Behavioral Sciences	3	Cal-GETC Area 4
GE		Arts	3	Cal-GETC Area 3A

Second Year

Semester 3

13 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	ET 192	Introduction to Robotics	2	
Maj	ET 362 [^]	Modern Electronic Control Technology	3	
Maj	ET 491 [^]	Electronics Projects Laboratory I	2	
GE		Humanities	3	Cal-GETC Area 3B
GE		*Mathematical Concepts & Quantitative Reasoning	3	Cal-GETC Area 2

^Corequisite for ET 362: ET 305; or prior completion of with a grade of "C" or better

^Corequisite for ET 491: ET 306; Students may have completed ET 306 previously.

Rios Community College District.

2. Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.
3. Completion of the California General Education Transfer Curriculum (Cal-GETC). Areas 1 through 6 must be completed with a grade of "C" or better.

Students with Advanced Placement (AP) and International Baccalaureate Credit (IB) test scores should notify their Counselor to learn more about how test scores may be used for credit.

Exception: Students who possess a bachelor's (BA/BS) or higher degree from a college or university accredited through a regional accrediting agency recognized by the Council for Higher Education Accreditation (CHEA) are deemed to have satisfied both the general education and graduation competency requirements for an AA/AS degree. Degrees from accredited institutions outside of the US will be evaluated on a case-by-case basis.

Placement Information

Check your eServices account under "Academic Records" to determine your Math and English placements.

Important Links

[SCC General Counseling](#)

*Choose one of the recommended courses from your math placements except MATH 310 and 386. MATH 310 and 386 are not approved for Cal-GETC. (Check your eServices account.) Meet with a counselor for recommended Math options.

Electronics Technology - Automated Systems Technician
Business & Industry Meta Majors

Semester 4

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	ET 492 [^]	Electronics Projects Laboratory II	2	
Maj	CISC 310	Introduction to Computer Information Science	3	
GE		Ethnic Studies	3	Cal-GETC Area 6
GE		Oral Communication	3	Cal-GETC Area 1C
GE		Physical Science	3	Cal-GETC Area 5A

^Corequisite for ET 492: ET 306; Students may have completed ET 306 previously.

Summer Term

7 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
GE		Biological Science	3	Cal-GETC Area 5B
GE		*Associate Lab Component	1	Cal-GETC Area 5C
GE		**Social & Behavioral Sciences	3	Cal-GETC Area 4

*Cal-GETC Area 5C will not be required if a laboratory activity is included in 5A or 5B.

**Cal-GETC Area 4 requires 2 courses from different disciplines. Select a course from Cal-GETC Area 4 from a different discipline than the previously completed Cal-GETC Area 4 course.