



# Automated Systems Technician A.S. Degree

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:** 62-63

## First Year

### Semester 1

16 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	ET 305 <sup>^</sup>	DC/AC Theory and Circuit Fundamentals	4	
Maj	ET 306	Electronics Fabrication and Soldering Techniques	2	
Maj	ET 314 <sup>++</sup>	Mathematics for DC/AC Theory and Circuit Fundamentals	3	
Maj	ET 340	Basic Microprocessors	4	
GE	INDIS 313 <sup>*</sup>	Freshman Seminar	3	SCC Local Area L7B

<sup>^</sup>Corequisite for ET 305: ET 306 & 314

<sup>+</sup> 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

<sup>^</sup>Corequisite for ET 314: ET 305

<sup>\*</sup>INDIS 313 - Freshman Seminar is specifically designed for First Time in College students. If you're not a First Time in College student, please select a GE course from SCC General Education Area L7B, such as HCD 310-College Success.

### Semester 2

17-18 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	CISC 310	Introduction to Computer Information Science	3	
Maj	ET 322 <sup>++</sup>	Semiconductors and Nanotechnology	4	
Maj	ET 335 <sup>+</sup>	Integrated Circuits with Computer Applications	4	
Maj	ET 390 <sup>+</sup>	Microprocessor Systems - Troubleshooting	3	
GE	ENGL C1000 <sup>*</sup> / ENGWR 488 <sup>H</sup> / ESLW 340	Academic Reading and Writing	3-4	SCC Local Area L1A

<sup>+</sup> Prerequisite for ET 322: ET 305 with a grade of "C" or better

### 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 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 Sacramento City College's local AA/AS degree general education requirements – Area L1A and L1B; Area L2; Area L3; Area L4; Area L5; and Area L6; and Area L7A and L7B – with an overall 2.0 GPA. Students also have an option of completing the California General Education Transfer Curriculum (Cal-GETC) instead of the local general education pattern.

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.

**^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

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

**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](#)  
[Electronics Technology - Automated Systems Technician](#)  
[Business & Industry Meta Majors](#)

## Second Year

### Semester 3

15 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		Arts and Humanities	3	SCC Local Area L3
GE	STAT C1000* / C1000H	Introduction to Statistics	4	SCC Local Area L2
GE		Physical Education	1	SCC Local Area L7A

**^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.

\*If you don't place directly in STAT C1000 (check your eServices account), you will need to take STAT 10/STAT C1000 combo course.

### Semester 4

14 Units

CAT.	COURSE	TITLE	UNIT	GE AREA
Maj	ET 492 ^	Electronics Projects Laboratory II	2	
GE		Social & Behavioral Sciences	3	SCC Local Area L4
GE		Natural Sciences	3	SCC Local Area L5
GE		Ethnic Studies	3	SCC Local Area L6
GE		Oral Communication & Critical Thinking	3	SCC Local Area L1B

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