



# 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:** 2023-24

**Total Units:** 60-61

## First Year

### Semester 1

15-16 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
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	
GE	INDIS 313 <sup>*</sup>	Freshman Seminar	3	IIIB
GE	ENGWR 300 <sup>**</sup> / 488 <sup>H</sup> / ESLW 340	College Composition	3-4	IIA

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

<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 IIIB, such as HCD 310-College Success.

<sup>\*\*</sup>If you don't place directly in ENGWR 300 (check your e-Services account), you will need to take ENGWR 80/ENGWR 300 combo course.

<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

### Semester 2

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	CISC 310	Introduction to Computer Information Science	3	
Maj	ET 322 <sup>++</sup>	Semiconductors and Nanotechnology	4	
Maj	ET 340	Basic Microprocessors	4	
GE	STAT 300 <sup>*</sup> / 480 <sup>H</sup>	Introduction to Probability and Statistics	4	IIB

<sup>\*</sup>If you don't place directly in STAT 300 (check your e-Services account), you will need to take STAT 10/STAT 300 combo course.

### 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 at Sacramento City College.
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 general education requirements – Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI – with an overall 2.0 GPA.
4. Completion of all three competency requirements (reading, writing, and mathematics).

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.

+ **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

## Second Year

### Semester 3

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	ET 390 <sup>+</sup>	Microprocessor Systems - Troubleshooting	3	
Maj	ET 362 <sup>^</sup>	Modern Electronic Control Technology	3	
Maj	ET 491 <sup>^</sup>	Electronics Projects Laboratory I	2	
Maj	ET 335 <sup>+</sup>	Integrated Circuits with Computer Applications	4	
GE		Humanities	3	I

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

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

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

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

### Semester 4

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	ET 492 <sup>^</sup>	Electronics Projects Laboratory II	2	
Maj	ET 192	Introduction to Robotics	2	
GE		Social & Behavioral Sciences	3	VB
GE		Physical Education	1	IIIA
GE		Natural Sciences	3	IV
GE	HIST 310 / 311 / 314 / 320 / 321 / 327 / 483 <sup>H</sup> / 484 <sup>H</sup> / 485 <sup>H</sup> / 486 <sup>H</sup> / 487 <sup>H</sup>	American Institutions/Ethnic-Multicultural Studies	3	VI/VA
Elec		*Elective	1	

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

\*Electives may include any courses numbered 100-499.

*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

Support courses required for English and Math per placement. **Check your e-Services account under "Academic Records" to determine your placements.**

### Important Links

[SCC General Counseling](#)

[Electronics Technology - Automated Systems Technician](#)

[Business & Industry Meta Majors](#)

