



# Mechanical-Electrical Technology 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:** 70-71

## First Year

### Other Term

**1 Units**

CAT.	COURSE	TITLE	UNIT	AA/AS GE
PreReq	MET 250	Introduction to Mechanical-Electrical Technology	1	

\*MET 250 is offered prior to the start of the term. Refer to the class schedule and speak with a counselor as you begin your program.

### Semester 1

**12 Units**

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MET 256 <sup>+</sup>	Fundamentals of Instruments and Electricity	1.5	
Maj	MET 257 <sup>+</sup>	Fundamentals of Workplace Success	1.5	
Maj	MET 350	Cal/OSHA 10 General Safety	1	
Maj	MET 351 <sup>+</sup>	Basic Mechanical Systems	5	
Maj	MET 352 <sup>+</sup>	Mechanical Systems Calculations	2	
Maj	MET 357 <sup>+</sup>	Drawing Mechanical Systems	1	

**+ Prerequisite for MET 256, 257, 351, 352, 357:** MET 250 with a grade of "C" or better

### Semester 2

**15-16 Units**

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MET 360 <sup>+</sup>	Mechanical Systems Maintenance	1.5	
Maj	MET 361 <sup>+</sup>	Refrigeration Systems	3	
Maj	MET 362 <sup>+</sup>	Refrigeration Systems Calculations	3	
Maj	MET 363 <sup>+</sup>	Refrigerant Transition and Recovery Processes and Procedures	1.5	
Maj	MET 364 <sup>+</sup>	Electrical Controls	3	
GE	ENGL C1000 <sup>+</sup> / ENGWR 488 <sup>H</sup> / ESLW 340	Academic Reading and Writing	3-4	L1A

**+ Prerequisite for MET 360:** MET 256, 257, 351, and 357 with grades of "C" or better

**+ Prerequisite for MET 361 & 363:** MET 351 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 – with an overall 2.0 GPA. Students also have an option of completing the California General Education Transfer Curriculum (Cal-GET C) 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.

- + **Prerequisite for MET 362:** MET 351 and 352 with grades of "C" or better
- + **Prerequisite for MET 364:** MET 256, 351, 352, and 357 with grades of "C" or better

\*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.*

## Second Year

### Semester 3

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MET 371 <sup>+</sup>	Gas-Fired Heating Equipment	3	
Maj	MET 372 <sup>+</sup>	Power Machinery, Heating and Air Conditioning Calculations	3	
Maj	MET 373 <sup>+</sup>	Piping and Electrical Drafting and Blueprint Reading	3	
Maj	MET 374 <sup>+</sup>	Automatic Control Systems I	3	
GE	MATH 300 <sup>*</sup>	Introduction to Mathematical Ideas	3	L2

- + **Prerequisite for MET 371:** MET 351, 360, and 364 with grades of "C" or better
- + **Prerequisite for MET 372:** MET 361 and 362 with grades of "C" or better
- + **Prerequisite for MET 373:** MET 360, 361, and 364 with grades of "C" or better
- + **Prerequisite for MET 374:** MET 361 and 364 with grades of "C" or better

\*If you don't place directly in MATH 300 (check your eServices account), you will need to take MATHS 95/MATH 300 combo course.

### Semester 4

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MET 381 <sup>+</sup>	Air Conditioning	3	
Maj	MET 383 <sup>+</sup>	Instrumentation	3	
Maj	MET 384 <sup>+</sup>	Automatic Control Systems II	3	
Maj	MET 388 <sup>+</sup>	Heat Pump Operation and Load Calculations	3	
GE		Oral Communication & Critical Thinking	3	L1B

- + **Prerequisite for MET 381:** MET 371 and 372 with grades of "C" or better
- + **Prerequisite for MET 383:** MET 371, 372, 373, and 374 with grades of "C" or better
- + **Prerequisite for MET 384:** MET 371 and 374 with grades of "C" or better
- + **Prerequisite for MET 388:** MET 371, 372, and 373 with grades of "C" or better

### Placement Information

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

### Important Links

[SCC General Counseling](#)  
[Mechanical-Electrical Technology](#)  
[Business & Industry Meta Majors](#)

CAT.	COURSE	TITLE	UNIT	AA/AS GE
GE		Natural Sciences	3	L5
GE		Arts and Humanities	3	L3
GE		Social and Behavioral Sciences	3	L4
GE		Ethnic Studies	3	L6