



Mechanical-Electrical Technology Certificate

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: 2026-27

Total Units: 49

First Year

Other Term

1 Units

CAT.	COURSE	TITLE	UNIT
PreReq	HVAC 250	Introduction to Mechanical-Electrical Technology	1

HVAC 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
Maj	HVAC 256 ⁺	Fundamentals of Instruments and Electricity	1.5
Maj	HVAC 257 ⁺	Fundamentals of Workplace Success	1.5
Maj	OEHS 110	Cal/OSHA 10 General Safety	1
Maj	HVAC 351 ⁺	Basic Mechanical Systems	5
Maj	HVAC 352 ⁺	Mechanical Systems Calculations	2
Maj	HVAC 357 ⁺	Drawing Mechanical Systems	1

+ Prerequisite for HVAC 256, 257, 351: HVAC 250 with a grade of "C" or better

+ Prerequisite for HVAC 352, 357: HVAC 250 and MET 250 with grades of "C" or better

Semester 2

12 Units

CAT.	COURSE	TITLE	UNIT
Maj	HVAC 360 ⁺	Mechanical Systems Maintenance	1.5
Maj	HVAC 361 ⁺	Refrigeration Systems	3
Maj	HVAC 362 ⁺	Refrigeration Systems Calculations	3
Maj	HVAC 363 ⁺	Refrigerant Transition and Recovery Processes and Procedures	1.5
Maj	HVAC 364 ⁺	Electrical Controls	3

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.

Certificate of Achievement Requirements

Certificates of Achievement require a grade of "C" or better in each major course.

Important Links

- [SCC General Counseling](#)
- [Mechanical-Electrical Technology](#)

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

+ Prerequisite for HVAC 361: HVAC 351 with a grade of "C" or better

+ Prerequisite for HVAC 362: HVAC 351 and 352 with grades of "C" or better

+ Prerequisite for HVAC 363: HVAC 351 or MET 351 with a grade of "C" or better

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

- Business & Industry Meta Major
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Second Year

Semester 3

12 Units

CAT.	COURSE	TITLE	UNIT
Maj	HVAC 371 ⁺	Gas-Fired Heating Equipment	3
Maj	HVAC 372 ⁺	Power Machinery, Heating and Air Conditioning Calculations	3
Maj	HVAC 373 ⁺	Piping and Electrical Drafting and Blueprint Reading	3
Maj	HVAC 374 ⁺	Automatic Control Systems I	3

+ Prerequisite for HVAC 371: HVAC 351, MET 360, and MET 364 with grades of "C" or better

+ Prerequisite for HVAC 372: HVAC 361 and 362 with grades of "C" or better

+ Prerequisite for HVAC 373: HVAC 361, MET 360, and MET 364 with grades of "C" or better

+ Prerequisite for HVAC 374: HVAC 361, MET 361, and MET 364 with grades of "C" or better

Semester 4

12 Units

CAT.	COURSE	TITLE	UNIT
Maj	HVAC 381 ⁺	Air Conditioning	3
Maj	HVAC 383 ⁺	Instrumentation	3
Maj	HVAC 384 ⁺	Automatic Control Systems II	3
Maj	HVAC 388 ⁺	Heat Pump Operation and Load Calculations	3

+ Prerequisite for HVAC 381: HVAC 371 and 372 with grades of "C" or better

+ Prerequisite for HVAC 383: HVAC 371, 372, 373, and 374 with grades of "C" or better

+ Prerequisite for HVAC 384: HVAC 371, HVAC 374, MET 371, and MET 374 with grades of "C" or better

+ Prerequisite for HVAC 388: HVAC 371, HVAC 372, HVAC 373, MET 371, MET 372, and MET 373 with grades of "C" or better