



# Mechanical (HVAC/Piping/Plumbing Systems) 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:** 2024-25

**Total Units:** 60-61

## First Year

### Semester 1

15 Units

| CAT. | COURSE                   | TITLE                          | UNIT | AA/AS<br>GE |
|------|--------------------------|--------------------------------|------|-------------|
| Maj  | EDT 310 <sup>*</sup>     | Technical Graphics With CAD I  | 3    |             |
| Maj  | EDT 312 <sup>+</sup>     | Technical Graphics With CAD II | 3    |             |
| ME   | MATH 373 <sup>**</sup>   | Trigonometry for Calculus      | 4    | IIB         |
| GE   | INDIS 313 <sup>***</sup> | Freshman Seminar               | 3    | IIIB        |
| GE   |                          | Physical Education             | 1    | IIIA        |
| Elec |                          | ****Elective                   | 1    |             |

**+Prerequisite for EDT 312:** EDT 310 with a grade of "C" or better

**\*Students will need to take EDT 310 during the 1st 8 week term and EDT 312 during the 2nd 8 week term.**

**\*\*If you don't place directly in MATH 373 (check your e-Services account), you will need to take MATHS 71/MATH 373 combo course.**

**\*\*\*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 IIb, such as HCD 310-College Success.**

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

### Semester 2

15-16 Units

| CAT. | COURSE                                  | TITLE                                | UNIT | AA/AS<br>GE |
|------|---|--------------------------------------|------|-------------|
| Maj  | EDT 316 <sup>+</sup>                    | REVIT-Architectural                  | 3    |             |
| Maj  | EDT 340                                 | Plumbing and Piping Systems Design I | 3    |             |
| GE   |   | Social & Behavioral Sciences         | 3    | VB          |
| GE   | ENGWR 300 / 488 <sup>H</sup> / ESLW 340 | College Composition                  | 3-4  | IIA         |
| GE   |   | Humanities                           | 3    | I           |

**+Prerequisite for EDT 316:** EDT 310 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 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).

\*Major Elective - A minimum of 5 units from the following: (Choose one course this semester not already taken in a previous semester): EDT 320+, EDT 352+, EDT 356, MATH 373+, SURVY 300, SURVY 310+

**+Prerequisite for EDT 320:** EDT 310 with a grade of "C" or better; or concurrent enrollment

**+Prerequisite for EDT 352:** EDT 310 with a grade of "C" or better; or concurrent enrollment

**+Prerequisite for MATH 373:** MATH 120, 129, or 133 with a grade of "C" or better, or placement through the assessment process

**+Prerequisite for SURVY 310:** EDT 310 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.*

## Second Year

### Semester 3

15 Units

| CAT. | COURSE               | TITLE                                 | UNIT | AA/AS<br>GE |
|------|----------------------|---------------------------------------|------|-------------|
| Maj  | EDT 317 <sup>+</sup> | REVIT-MEP                             | 3    |             |
| Maj  | EDT 332 <sup>+</sup> | Building Mechanical Design Documents  | 3    |             |
| Maj  | EDT 336 <sup>^</sup> | Building Mechanical Systems Design    | 3    |             |
| GE   |                      | Ethnic/Multicultural Studies          | 3    | VI          |
| Maj  | EDT 342              | Plumbing and Piping Systems Design II | 3    |             |

**+Prerequisite for EDT 317:** EDT 310 with a grade of "C" or better

**+Prerequisite for EDT 332:** EDT 310 with a grade of "C" or better; or concurrent enrollment in EDT 310

**^Corequisite for EDT 336:** Concurrent enrollment in EDT 332 is advised

### Semester 4

15 Units

| CAT. | COURSE  | TITLE                      | UNIT | AA/AS<br>GE |
|------|---------|----------------------------|------|-------------|
| Maj  | EDT 318 | Beginning 3D Modeling-CREO | 3    |             |
| GE   |         | American Institutions      | 3    | VA          |
| GE   |         | Natural Sciences           | 3    | IV          |
| ME   |         | *Major Elective            | 3    |             |
| Elec |         | **Elective                 | 3    |             |

\*Major Elective - A minimum of 5 units from the following: (Choose one course this semester not already taken in a previous semester): EDT 320+, EDT 352+, EDT 356, MATH 373+, SURVY 300, SURVY 310+

**+Prerequisite for EDT 320:** EDT 310 with a grade of "C" or better; or concurrent enrollment

**+Prerequisite for EDT 352:** EDT 310 with a grade of "C" or better; or concurrent enrollment

**+Prerequisite for MATH 373:** MATH 120, 129, or 133 with a grade of "C" or better, or placement through the assessment process

### 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](#)

[Engineering Design Technology - Mechanical \(HVAC/Piping/Plumbing Systems\)](#)

[Science, Math, & Engineering Meta Majors](#)

**+Prerequisite for SURVY 310:** EDT 310 with a grade of "C" or better

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

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