



Telecommunications Technician 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: 2025-26

Total Units: 38

First Year

Semester 1

13 Units

| CAT. | COURSE | TITLE | UNIT |
|------|----------------------|---|------|
| Maj | ET 305 [^] | DC/AC Theory and Circuit Fundamentals | 4 |
| Maj | ET 306 | Electronics Fabrication and Soldering Techniques | 2 |
| Maj | ET 314 ^{+^} | Mathematics for DC/AC Theory and Circuit Fundamentals | 3 |
| Maj | ET 340 | Basic Microprocessors | 4 |

^Corequisite for ET 305: ET 306 & 314

+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

^Corequisite for ET 314: ET 305

Semester 2

11 Units

| CAT. | COURSE | TITLE | UNIT |
|------|----------------------|--|------|
| Maj | ET 322 ^{+^} | Semiconductors and Nanotechnology | 4 |
| Maj | ET 335 ⁺ | Integrated Circuits with Computer Applications | 4 |
| Maj | ET 390 ⁺ | Microprocessor Systems - Troubleshooting | 3 |

+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

+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

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](#)
- [Electronics Technology - Automated Systems Technician](#)

Second Year

Semester 3

10 Units

| CAT. | COURSE | TITLE | UNIT |
|------|---------------------|---|------|
| Maj | ET 362 [^] | Modern Electronic Control Technology | 3 |
| Maj | ET 380 ⁺ | Introduction to Electronic Communications | 4 |
| Maj | ET 381 ⁺ | Electronic Communication Regulations | 3 |

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

+Prerequisite for ET 380: ET 314 and 322 with grades of "C" or better

+Prerequisite for ET 381: ET 322 with a grade of "C" or better

Semester 4

4 Units

| CAT. | COURSE | TITLE | UNIT |
|------|---------------------|-------------------------------------|------|
| Maj | ET 400 ⁺ | Microwave Communications Techniques | 4 |

+Prerequisite for ET 400: ET 315, 322, and 335 with grades of "C" or better or equivalent

- Business & Industry Meta Major
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