ELECTRONICS TECHNOLOGY ASSOCIATE OF SCIENCE DEGREE

To graduate with a specialization in Electronics Technology, students must complete all requirements for the certificate with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units).

Code	Title	Units
Required Courses:		
TECALC 087	Technical Calculations	4
ELECTR 110	Direct Current Circuit Analysis	3
ELECTR 111	Direct Current Circuit Laboratory	1
ELECTR 115	Alternating Current Circuit Analysis	3
ELECTR 116	Alternating Current Circuit Laboratory	1
ELECTR 155	Electronic Drawing and Assembly	3
ELECTR 230	Semiconductor Devices	3
ELECTR 235	Solid State Circuit Analysis	4
ELECTR 265	Digital Logic Design	4
ELECTR 266	Microprocessor Technology with Assembly Language	4
ELECTR 270	Linear Integrated Circuit Analysis	4
Total Units		**34**

To earn an SBVC Associate Degree students must complete one of the following General Education (GE) patterns:

- SBVC General Education and Graduation Requirements (https://www.valleycollege.edu/student-services/counseling/articulation/graduation-requirements-current.php)
- Cal-GETC - California General Education Transfer Curriculum (https://www.valleycollege.edu/student-services/counseling/articulation/calgetc.php)

Program Learning Outcomes

At the completion of this program, students will be able to:

a. Be prepared to transfer to an accredited, 4-year college or university with junior class standing in electronics technology or a related major.
b. Select and operate electronic test equipment during troubleshooting and repair operations, with an emphasis on safety in use and accuracy in results.
c. Analyze, interpret, and trace digital logic diagrams used in signal tracing of complex digital circuits.
d. Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
e. Sit for industry/Federal-style examinations on the theory and procedures of electronic technology.