

Course Syllabus

Salt Lake Technical College

Department of Electronics Technologies

Location: Westpointe Center 2150 W. Dauntless Ave. (1000 North) Salt Lake City, UT 84116

Building: Westpointe Center, [REDACTED]

Course Title: Certified Electronics Technician TEET 1200

Course Description: This course prepares students to take the ETA-I Associate Technician Certification exam.

Course Hours: 30 **Credit:** 1

Recommended Prerequisite(s): Completion of TEET 1080 Analog Electronics and TEET 1090 Digital Fundamentals

Semester(s) Taught: All

Available Class Schedules: [Westpointe Center](#)

Course Student Learning Outcomes - Competencies:

- Demonstrate knowledge of all topics covered in the previous core courses.
- Demonstrate the ability to pass a practice certification exam.
- Pass the actual IS CET or ETA Associate-level Technician exam*.

**The main objective of the course is to prepare students for successfully passing ETA-I CET exam, but obtaining the certificate is optional. If a student has a valid certificate, we will honor that and agree to waive this course registration requirement.*

Required Course Text: The student must have all listed course books and materials on the first day of class. A current book/materials list for all programs and courses are available on the on the program main page. A “Book & Materials” link right under the program tuition information.

Canvas Course Content Modifications: The Electronics department reserves the rights to make minor changes that will remove errors, improve delivery, ensure accuracy, and support students’ learning outcomes

- Quiz questions
- Assessment requirements
- Learning resources
- Lab Projects

As these changes may occur at any time and point in course modules, the understanding is as such: A student will not be required to backtrack to complete any changed page, assignment, or assessment. A student will be required to complete any changed page, assignment, or assessment.

Students are also required to follow instructions and complete work in the sequence of Modules, etc. Modules 1, Modules 2, etc.

Course Outline: Specific course outlines are listed on the Canvas Course site.

Sequence	Module name	Hours
1	Module 1 - Practice Exam on the ETA International website	2
2	Module 2 - Introduction, DC Electronics	3
3	Module 3 -AC Electronics	3
4	Module 4 - Components and Semiconductors	3
5	Module 5 - Analog Circuits	3
6	Module 6 - Practice Exam on the ETA International website	2
7	Module 7 - Cabling and Telecom	3
8	Module 8 - Digital Circuits and Microprocessors	3
9	Module 9 - Troubleshooting, Test Equipment and Repair	3
10	Module 10 - Shop and Service Management	3
11	Module 11 - Summative Assessment - Cognitive	2
Total Hours:		30

Department Course Outcomes Assessments/Examinations: Each course will have specific assessments listed, from module quizzes to department final theory examinations and hands-on demonstrations. Most tests are computer based and are delivered and graded by some type of LMS type software, which is usually part of the learning systems as well.

Assignments: All assignments are clearly listed and are usually part of a Module, which is addressing a particular competency. The Course Canvas site will list all assignment specifics.

Participation: You should consider this time of your life a very valuable opportunity in learning about Electronics, and the skills to enter a new or better occupation. Your involvement in the classroom and campus should be something that results in a lasting positive experience. "Get involved", utilize the resources, pick the instructors brains, and learn as much as you can.

Engaging with the student is what faculty look forward to.

Grading System:

The list below explains how letter grades will be defined for the course work required and completed. Each course will have specific requirements as listed in the canvas course site.

Letter Grades Scale:

The SLTC Electronics Department has as a minimum grade requirement of: C+ (77%) as a passing grade for all courses and all course assignments and assessments.

Letter Grade	Percentage	GPA
A+	97–100%	4.0
A	93–96%	3.9
A–	90–92%	3.7
B+	87–89%	3.3
B	83–86%	3.0
B–	80–82%	2.7
C+	77–79%	2.3
C	73–76%	2.0
C–	70–72%	1.7
D+	67–69%	1.3
D	63–66%	1.0
D–	60–62%	0.7
F	0–59%	0.0

Grades for SLTC Electronics Department are based on the assignment/assessments categories.

In most courses there are all 4 categories, and the letter grade will be based upon the average of the applicable categories. There are courses that do not have 4 categories and those exceptions are below.

4 - Categories

Category	Items	Weight	Criteria
Formative Assessment Cognitive	Theory/Quizzes	25%	100% of course work @ minimum grade of 77% for each assignment.
Formative Assessment Performance-Based	Skills Based Hands-on	25%	100% of course work @ minimum grade of 77% for each assignment.
Summative Assessment Cognitive	Theory/Quizzes/Exams	25%	100% of course work @ minimum grade of 77% for each assignment.
Summative Assessment Performance-Based	Skills Based Hands-on	25%	100% of course work @ minimum grade of 77% for each assignment.
		100%	

Any 3 - Categories Courses - Where there are only a SAC or SAP - but not both. Or not a FAC and/or FAP.

	Items	Weight	Criteria
Formative Assessment Cognitive	Theory/Quizzes	33.33%	100% of course work @ minimum grade of 77% for each assignment.
Formative Assessment Performance-Based	Skills Based Hands-on	33.33%	100% of course work @ minimum grade of 77% for each assignment.
Summative Assessment Cognitive or Summative Assessment Performance-Based	Theory/Quizzes/Exams Skills Based Hands-on	33.34%	100% of course work @ minimum grade of 77% for each assignment.
		100%	

2 - Categories assessments/assignments each will carry 50% of total weight for a total of 100%.

Formative Assessment – During the Learning Cycle

- Formative assessment is a term for any type of assessment or assignment used to gather student feedback and improve instruction. Formative assessments occur during the learning process, often while students are engaged in other activities. Anecdotal records, periodic quizzes or essays, diagnostic tests and in-class or homework assignments are all types of formative assessment because they provide information about a

student's progress. Any Formative Assessment serves in most cases as the determining tool that “says” you as a student are ready and able to “Demonstrate Proficiency” of the required course outcomes/objectives.

Therefore, any weakness or missed objectives that need addressing during the Formative cycle will require some level of remediation before any Summative Assessments are allowed.

You are encouraged to ask for assistance with concepts that are challenging.

Summative Assessment – Demonstration of Proficiency

- Summative assessment occurs at various points in a course and may include both cognitive and performance-based assessments.
- This is a time that you as a student should be able to complete the assignments and meet the criteria listed for the assessment.
- Objectives must be performed to the level that would meet industry requirements.
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Academic Progress:

Every effort has been made to ensure that the coursework for a course can be completed within 100% of the published hours. As a student you will be provided of the course expectation due dates and course completion points. This is in an effort to ensure that the “Student”, is proficient and acquires the required “Skills-Set”.

Homework: As a student you should expect to plan on about at least the course hours as out- side learning time. So, a 30- hour course may require 30 hours of home-work.

Cheating: Plagiarism & Academic Dishonesty: *Plagiarism is stealing or passing off as one's own, ideas or words of another, whether or not copyrighted. Plagiarism will be penalized by the instructor according to the degree of dishonesty the instructor judges is involved. Students guilty of academic dishonesty are subject to disciplinary action. Disciplinary action may include but is not limited to: reduction of a grade on an assignment or examination, reduction of a grade for the class, suspension or expulsion from the course and or program. Students may appeal disciplinary action taken against them by filing a grievance.

NOTE: It is YOUR responsibility to keep a copy of ALL your work. Also, keep a backup copy of any course work completed on a computer. Will not be responsible for any loss of materials, you have a student drive that you can use when you log-on to the PC's.

Allowed materials at the Assessment System is clearly listed, no notes or references, except those listed in the Canvas course site.

Students with Disabilities

Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA, should contact the Disability Resource Center (DRC). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college. Please contact the DRC at the Student Center, Suite 244, Redwood Campus, 4600 So. Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957- 4947 or by drc@slcc.edu.

Emergency Evacuation

The building must be evacuated if the fire alarm sounds or if you are instructed to evacuate by an authorized Public Safety, Facilities, or administrative representative. Students in our class exit to nearest exit and move 20 feet away from the building. The instructor/lab aide will be happy to help you evacuate if you need assistance. Never ignore the fire alarm. Do not re-enter the building until directed to do so by an authorized Public Safety, Facilities, or administrative representative.