



Grayson College

Dual Credit Electrical Engineering Technology



Spring 2024

SUMMARY

Upon completion of the Grayson College Dual Credit EET program in electronics, students will be prepared for employment as entry-level technicians. They can also continue to finish the automation certificate or complete the A.A.S. degree in EET.

CERTIFICATE

Electronics Certificate, level 1 & Automation Certificate, level 1 (anticipated national certifications in Universal Robots, NC3, and SACA)

INSTRUCTOR

Grayson College provides instructors for program

CURRICULUM

Curriculum is provided by Grayson College and consists of materials located in the Canvas Learning Management System and hands-on lab activities.

SCHEDULE

Grayson College will offer Electronics certificate classes in the mornings and Automation certificates in the afternoons at Van Alstyne campus. Denison campus offerings are TBD.

FACILITY

Classes are held in a face-to-face format at the Denison and Van Alstyne campuses.

TSI REQUIREMENT

None, however willingness to review math concepts from basic algebra, scientific and engineering notation, exponents, and trigonometry is recommended

PREREQUISITES

DC Circuits (as the first course in the program) is a prerequisite course for most courses in the electronics and automation certificates.

VACCINATION REQUIREMENT

State law requires that students under the age of 22 who will attend classes on a GC campus must provide documentation of a meningococcal vaccination within the previous 5 years or a conscientious objection waiver. Students will not be enrolled without this documentation.

TUITION & FEES

\$97/credit hour + applicable fees

TEXTBOOK & SUPPLIES

Victor E Bundle opt-in is recommended for this program

FINANCIAL AID

Full or partial tuition waivers are available for dual credit students on free or reduced lunch programs.

TYPICAL COURSE OF STUDY

It should be noted this program is a cohort model and opportunities to retake failed courses are unlikely to be offered again until the following academic year.

Senior Year Fall Courses

Semester	Course	Course Title	Hours
Fall	CETT 1403	DC Circuits	4
Fall	CETT 1405	AC Circuits	4
Fall	CETT 1425	Digital Fundamentals	4
Fall	CETT 1441	Solid State Devices	4
Fall	SMFT 1343	Semiconductor Manufacturing Tech	3

Senior Year Spring Courses

Semester	Course	Course Title	Hours
Spring	HYDR 1445	Hydraulics & Pneumatics	4
Spring	ELPT 2319	Programmable Logic Controllers	3
Spring	ELPT 1441	Motor Controls	4
Spring	PTAC 1332	Process Instrumentation	3
Spring	PTAC 2446	Process Troubleshooting	4

Senior Year Summer Courses

Semester	Course	Course Title	Hours
Summer	INMT 1419	Industrial Automation	4
Summer	RBTC 1343	Robotic Fundamentals	3
Summer	EECT 1104	Electronic Soldering	1

Total Hours: 45

QUESTIONS

Director of Dual Credit CTE Programs
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