Electronic Engineering Technology

Program Options:
AAS – Electronic Engineering Technology
Certificate Level 2 – Electronic Engineering Technology

Students in the Electronic Engineering Technology Program will receive training in several diversified areas of electronics. This program emphasizes the application of mathematical theorems and applied physics toward the design and analysis of electronic circuits. Students will be exposed to a combination of classroom theory and hands-on laboratory design and analysis experiments.

Program curriculum and laboratory equipment have been formally evaluated and endorsed by an advisory committee consisting of members of the electronics industry.

Through articulation agreements, students can transfer their completed program toward a bachelor’s degree into several colleges and universities. Students planning to transfer to a college or university should check with the Collin academic advisor. Also check the degree requirement of the intended transfer college prior to beginning this program to verify course degree applicability.

AAS – Electronic Engineering Technology
60 credit hours

FIRST YEAR
First Semester
CETT 1325 Digital Fundamentals
ENGL 1301 Composition I
ENGR 1201 Introduction to Engineering
MATH 1314 College Algebra
RBTC 1305 Robotic Fundamentals

Second Semester
CETT 1303 DC Circuits
CETT 1345 Microprocessor
DFTG 1372 SOLIDWORKS Essentials
MATH 1316 Plane Trigonometry
ELECTRONIC ELECTIVE *

SECOND YEAR
First Semester
CETT 1305 AC Circuits
GEN ED Humanities / Fine Arts course
PHYS 1401 College Physics I
SMFT 1371 Fundamentals of Solar Cell Engineering

Second Semester
CETT 1357 Linear Integrated Circuits
EECT 1348 Digital Signal Processing (DSP)
HART 2372 Alternative Energy Perspectives, Energy Sources, Energy Storage, and Energy Distribution (Capstone)

ELECTRONIC ELECTIVE *

* Electronic Electives (6 credit hours): BIOM 1355, BIOM 2380, CETT 1329, INTC 1307, RBTC 2345, or SMFT 1375 will satisfy this requirement. Courses not listed above may be substituted with consent of Associate Dean.

Certificate Level 2 – Electronic Engineering Technology
26 credit hours
Students must be TSI complete.

FIRST YEAR
First Semester
CETT 1325 Digital Fundamentals
MATH 1314 College Algebra

Second Semester
CETT 1303 DC Circuits
CETT 1345 Microprocessor
ENGR 1201 Introduction to Engineering

SECOND YEAR
First Semester
CETT 1305 AC Circuits
SMFT 1371 Fundamentals of Solar Cell Engineering

Second Semester
CETT 1357 Linear Integrated Circuits
EECT 1348 Digital Signal Processing (DSP) (Capstone)