ENGINEERING SYSTEMS TECHNOLOGY
Technical Certificate

Program and Career Description:

The Technical Certificate in Engineering Systems Technology is a one-year program designed to prepare graduates for many different careers related to manufacturing with an emphasis on technology, critical thinking, and problem solving. Students will take courses in the basic fundamentals of industrial technology and move to more advanced applications including Programmable Logic Controls.

How is the Job Market?

Check out *www.jobs4tn.gov* website for information about job descriptions, education requirements and abilities, and supply and demand for these careers. For additional information from a national perspective, go to Bureau of Labor Statistics, U. S. Department of Labor on the internet at *www.bls.gov*. Visit the Occupational Outlook Handbook on this website. Salaries are not guaranteed.

This technical certificate will be an embedded certificate within the Engineering Systems Technology A.A.S. degree. Upon successful completion of the certificate program, students will be afforded the opportunity to complete industry certification exams.

Requirements for Graduation include:

• Total certificate hours must be at least 19
• earning 25% of total program credits in residence at Columbia State.
• GPA of at least 2.0 in courses requird for the certificate.

For more information contact:
Mehran Mostajir at
mmostajir@columbiastate.edu
or 931.540.2711 or 931.398.8868
or
Science, Technology and Math Division office at
931.540.2710 or stm@columbiastate.edu

For more information about our graduation rates, the median debt of students who completed the program and other important information, please review *Gainful Employment Disclosures* found on the website at *www.columbiastate.edu/consumer-information* for this certificate.

Student ID:_____	Catalog: 2020-2021 Catalog and Student Handbook
Student Name:_____	Program: Engineering Systems Technology
Adviser Name:_____	Technical Certificate
	Minimum Credits
	Required:_____

Engineering Systems Technology Technical Certificate

Sample Academic Plan - Total Credit Hours: 19

Program Requirements - Students may be required to take additional Learning Support courses. Courses cannot be used more than once to satisfy program requirements.

First Year - Fall Semester - Credit Hours: 7

Course Name	Credits:	Term Taken	Grade	Gen Ed
EETC 1311 - Electric Circuits	Credits: 3			
ENST 2361 - Fluid Power Systems	Credits: 3			
ENST 2199 - Special Topics: Industrial Safety **OR** ENST 1350 Industrial Safety	Credits: 1			

First Year - Spring Semester - Credit Hours: 12

Course Name	Credits:	Term Taken	Grade	Gen Ed
EETC 2361 - Instrumentation Technology	Credits: 3			
ENST 1360 - Mechanical Power Transmission	Credits: 3			
EETC 2333 - Industrial Electronic Controls	Credits: 3			
EETC 2331 - PLC I	Credits: 3			

Note(s):

Requirements for Certificates Include:

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Students and advisors should run a degree audit from myChargerNet each semester to confirm classes are applicable to the program of study.

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