

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.

Career	Beginning Salary	Experienced Salary Median
Industrial Machinery	\$32,750	\$46,780
Maintenance Workers	\$25,460	\$40,110
Electrical/Electronic Engineering Technicians	\$43,450	\$62,360
Maintenance & Repair Workers	\$23,910	\$34,580

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. 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.

Sample Academic Plan

First Year - Fall Semester

		Credit Hours
___	EETC 1311 Electrical Circuit I	3
___	ENST 2361 Fluid Power Systems	3
___	ENST 2199 Industrial Safety	1
	Total In First Year - Fall Semester	7

First Year - Spring Semester

___	EETC 2361 Instrumentation Technology	3
___	ENST 1360 Mechanical Power Transmission	3
___	EETC 2333 Industrial Electric Control	3
___	EETC 2332 PLC I	3
	Total in First Year - Spring Semester	12

TOTAL CREDIT HOURS **19**

Requirements for Certificates 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 required for the certificate.

For more information contact:

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Science, Technology and Math Division office at 931.540.2710

For more information about our graduation rates, the median debt of students who completed the program and other important information, please visit our web site at <http://www.columbiastate.edu/IR/Gainful%20Employment/AIIT/gedt.html>