ENGINEERING SYSTEMS TECHNOLOGY

Associate of Applied Science degree



Program and Career Description:

The Associate of Applied Science in Engineering Systems Technology is a two-year degree 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 engineering technology and move to very advanced applications including robotics. This degree is accrediated by The Association of Technology, Management, and Applied Engineering (ATMAE).

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.

Transfer Options

This degree program is in compliance with the Common Course Curriculum Library for the A.A.S. in Engineering Systems Technology program as delivered by the Tennessee Board of Regents community colleges.

This degree program is not designed for transfer to a four year college or university. However, some agreements are in place that will allow credit to be given for a portion or the entirety of this degree path. Please check with the transfer institution or your advisor for specific details.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



ENGINEERING SYSTEMS TECHNOLOGY

Major in Engineering Systems Technology (A.A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement ENGL 1010

Humanities/Fine Arts (Take one course) ART 1030 ARTH 2010, 2020 ENGL 2015, 2130, 2230, 2310, 2320, 2920, 2440 HUM 1130, 1131 MUS 1030 PHIL 1030, 2030, 2033 THEA 1030

Mathematics Requirement (Take one course) MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Natural Science Requirement PSCI 1030

Social/Behavioral Sciences (Take one course) ANTH 1200, 1300 COMM 1010 ECON 2010, 2020 GEOG 2010 PHED 2120 POL 201 POLS 1030, 1501, 2010 PSYC 1030, 2130 SOCI 1010, 1020, 2010

Major Field Core ENST 1311, 1350, 1370, 2391 INFS 1010

Required Electives from Common Course Library COLS 101 EETC 1311, 2311, 2332, 2333, 2350, 2361 ENST 1360, 2361 SPCH 1010 ENST 2382 or ENST 2399

If you have completed TN eCampus courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be 2.0.
- taking the Exit Exam.

Sample Academic Plan

First Year - Fall Semester

ENST 1350	Electrical Circuit I Industrial Safety Manufacturing Processes Columbia State College Success	3 3 3 1 13
ENGL 1010	English Composition I	2
INFS 1010	English Composition I Computer Applications	3
ENST 1360	Mechanical Power Transmission	3
ENST 2361	Fluid Power Systems	3
EETC 2333	,	3
		15
First Year – Summer Semester		
Social/Behavioral Sciences Requirement - PHED 2120 Humanities/Fine Arts Requirement - MUS 1030 Second Year – Fall Semester		3 3 6
PSCI 1030	Physical Science	4
EETC 2361		3
EETC 2332	PLC II	3
EETC 2350	Integrated Robotics	3
EETC 2311	=	3
	3,	16
Second Year – Spring Semester		
ENST 1311	Computer Aided Design I	3
ENST 2391	Internship	3
SPCH 1010	Fundamentals of Speech Communication	3
ENST 2382	Fundamentals of Mechatronics or	
ENST 2399	Special Topics - Multi Skilled	3
		12

TOTAL CREDIT HOURS 62

For more information contact:
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or
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