

CHATTANOOGA STATE COMMUNITY COLLEGE &  
TENNESSEE TECHNOLOGICAL UNIVERSITY



2+2  
IN INDUSTRIAL TECHNOLOGY

EARN TWO DEGREES IN A  
STATE OF THE ART TRAINING FACILITY



Volkswagen Group of America, Chattanooga Operations, Chattanooga State Community College, and Tennessee Technological University have partnered to provide a unique educational collaboration designed to blend the very best of both institutions with the training resources available through the Volkswagen Academy. The partnership's primary mission is to stimulate and develop a highly-skilled and prepared workforce through an educational arrangement that provides a seamless transition from Chattanooga State Community College to Tennessee Technological University.

- Earn an Associate of Applied Science degree in Engineering Technology from Chattanooga State with a concentration in Mechanical Engineering Technology
- Transfer to Tennessee Technological University to earn a Bachelor of Science degree in Industrial Technology

The new blended curriculum will be delivered exclusively at the ***Volkswagen Academy*** in Chattanooga. ***Students will benefit from the state-of-the-art equipment and facilities afforded by the Volkswagen Academy which will enhance the learning process and simulate real-world application for this dynamic partnership.***

This unique collaboration will allow students to train in:

- Robotics & Automation
- Manufacturing Processes
- Programmable Logic Controls
- Materials Testing
- Computer Aided Design
- CNC Machinery
- Fluid Power & Hydraulics



## Dual Admissions Program

Participants in this program also have the opportunity to participate in the new Dual Admissions program in which students are admitted to both Chattanooga State and Tennessee Tech simultaneously. Dual admissions will assist in providing a seamless transition from Chattanooga State Community College to Tennessee Technological University.

### Benefits of Dual Admissions:

- Receive the student benefits from both institutions
- Have direct contact with faculty and staff members from both institutions throughout the program
- Receive enhanced advisement and transition support services.

## Contact Us

For additional information, contact  
Chattanooga State Community College  
Engineering Technology Division  
Office: 423-697-4434/2496

Email us: [amanda.bennett@chattanoogastate.edu](mailto:amanda.bennett@chattanoogastate.edu)

Website: <http://www.chattanoogastate.edu/engineering/>

# Chattanooga State Community College & Tennessee Technological University Transfer Program

## Chattanooga State Community College A.A.S. Engineering Technology Mechanical Engineering Technology

Freshmen	Course #	Course Title	Credit Hours
	ENGL 1010	Composition I	3
	ENGL 2710	Technical Reports	3
	ET 115	Computers for Engr. Tech	3
	MATH 1710	Pre-Calculus I	3
	MATH 1720	Pre-Calculus II	4
	PHYS 2010 <sup>1</sup>	Non-Calculus Based Physics	4
	CHEM 1010	Introduction to Chemistry	4
	DD 124 <sup>2</sup>	CAD Engineering Drawing II	3
	MD 184	Manufacturing Processes	3
	MD 254	Elements of Material Science	3

Total Hours: 33

Sophomore	Course #	Course Title	Credit Hours
	MATH 1910	Calculus I	4
	EE 284	Electrical Tech for Mech. Engr.	3
	HU/FA	Humanities/Fine Arts Elective	3
	MD 134	Statics & Strengths of Materials I	3
	MD 242	Statics & Strengths of Materials II	3
	MD 226	Fluid Power	3
	MD 264	Thermodynamics	3
	NE 228 <sup>3</sup>	Fundamentals of Metallurgy	3
	EC 212 <sup>4</sup>	Principles of Economics I	3
	DD 263 <sup>4</sup>	Catia	3

Total Hours: 31

<sup>1</sup>Course substituted for PHYS 1030 for transferability • <sup>2</sup>DD 114 is a pre-requisite

<sup>3</sup>Course substitution from MD 274 to NE 228 • <sup>4</sup>Prescribed elective; may choose any from approved list

General Education Bridge Courses	Credit Hours	
ENGL 1020	Composition II	3
Literature Elec.	Choose from: ENGL 2130– American Lit.; ENGL 2230–British Lit.; ENGL 2330–World Lit.	3
HIST 2010	American History I	3

# Tennessee Technological University

## B.S. Industrial Technology

Junior	Course #	Course Title	Credit Hours
	BMG 3510	Mgmt. & Organizational Behavior	3
	ECON 3610	Business Statistics I	3
	HU/FA	Humanities/Fine Arts Elective	3
	MIT 2000	Occupational Safety	2
	MIT 3060	CNC Machining Practices	3
	MIT 3130	Maintenance Technology I	3
	MIT 3403	Applied Machine Elements	3
	MIT 3700	Manufacturing Cost Estimating	2
	MIT 3710	Methods Design and Work Meas.	2
	MIT 3730	Quality Assurance	2
	PHYS 2020	Algebra-based Physics II	4
		Total Hours:	30

Senior	Course #	Course Title	Credit Hours
	ACCT 3720	Acct. for Non-Business Majors	3
	ECON 2020	Principles of Macroeconomics	3
	DS 3520	Operation Management	3
	HIST 2020	American History II	3
	MIT 4200	Industrial Electronics	3
	MIT 4210 <sup>7</sup>	PLC & Process Control	3
	MIT 4220 <sup>8</sup>	Industrial Automation	3
	MIT 4310	Plant Layout & Matls. Handling	3
	MIT 4610	Engineering Technology Seminar	1
	MIT 4620	Senior Project	3
	PSY 2010	General Psychology	3
		Total Hours:	31

<sup>6</sup>Prescribed elective; may choose any from approved list • <sup>7</sup>Prescribed elective; may choose any from approved list

<sup>8</sup>Prescribed elective; may choose any from approved list





## 2+2 in Industrial Technology

4501 Amnicola Highway  
Chattanooga, TN 37406

[www.chattanoogaastate.edu/engineering/](http://www.chattanoogaastate.edu/engineering/)  
**423-697-4434/2496**

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