

SYSTEM-WIDE DEGREES

College of Technology: Technology Studies (Associate in Science Degree)

The College of Technology is a specialized curriculum that allows a student to begin technology or engineering technology studies at any of the state's twelve community colleges with the ultimate goal of achieving a four-year, baccalaureate degree in Technology at Central Connecticut State University or Charter Oak State College. The curriculum is designed to serve as the first two years of the Bachelor of Science degree. Some courses in this program are not offered at Asnuntuck Community College but can be taken at other Connecticut community colleges.

MAJOR REQUIREMENTS

(2.0 GPA required)

+ CAD* 133	CAD Mechanical AUTOCAD	3
+ MAT* 167	Principles of Statistics	3
+ ENG* 202	Technical Writing	3
	Directed Elective I	3-4
	Directed Elective II	3-4
		Subtotal: 15-17

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

COM* 173	Public Speaking	3
+ ENG* 101	Composition	3
(Minimum "C" grade required)		

FINE ARTS

A Fine Arts Elective		3
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SOCIAL AND BEHAVIORAL SCIENCES/LIBERAL ARTS

SOC* 190	Self and Others: Dynamics of Diversity	3
ECN* 101	Principles of Macroeconomics	3
	Social and Behavioral Sciences Elective (HIS* or ECN* recommended)	3
	Social and Behavioral Sciences Elective (POL* or HIS* recommended) OR Liberal Arts: GEO* recommended	3

MATH

+ MAT* 186	Precalculus	4
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SCIENCE

+ CHE* 111	Concepts of Chemistry	4
+ PHY* 110	Introductory Physics	4

TECHNICAL ELECTIVES

Technical Elective I	3-4
Technical Elective II	3-4
Technical Elective III	3-4
Technical Elective IV	3-4
Technical Elective V	3-4

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
COM* 173	Public Speaking	3
+ MAT* 167	Principles of Statistics	3
+ CHE* 111	Concepts of Chemistry	4
	Fine Arts Elective	3
		Subtotal: 16

Semester 2		
+ ENG* 202	Technical Writing	3
+ CAD* 133	CAD Mechanical AUTOCAD	3
+ MAT* 186	Precalculus	4
+ PHY* 110	Introductory Physics	4
	Social and Behavioral Sciences Elective (History or Economics Recommended)	3
		Subtotal: 17

Semester 3		
ECN* 101	Principles of Macroeconomics	3
PHL*	Any Philosophy Course	3
	Directed Elective I	3-4
	Technical Elective I	3-4
	Technical Elective II	3-4
	Social and Behavioral Sciences Elective (Political Science or History Recommended) OR Liberal Arts: GEO* recommended	3
		Subtotal: 18-21

Semester 4		
	Technical Elective III	3-4
	Technical Elective IV	3-4
	Technical Elective V	3-4
	SOC* 190 Self and Others: Dynamics of Diversity	3
	Directed Elective II	3-4
		Subtotal: 15-19
MINIMUM TOTAL: 66		

DIRECTED AND TECHNICAL ELECTIVES:

Any group of related courses from the following areas: Computer and Information Systems (CSA*, CSC*, CST*), Manufacturing (MFG*), Mathematics (MAT*), or Physics (PHY*).

College of Technology: Technology Studies Lean Manufacturing and Supply Chain Management Option (Associate in Science Degree)

The College of Technology is a specialized curriculum that allows a student to begin technology or engineering technology studies at any of the state's twelve community colleges with the ultimate goal of achieving a four-year, baccalaureate degree in Technology at Central Connecticut State University or Charter Oak State College. The curriculum is designed to serve as the first two years of the Bachelor of Science degree.

MAJOR REQUIREMENTS

(2.0 GPA required)

LEAN MANUFACTURING CERTIFICATE

MFG* 171	Introduction to Lean Manufacturing	3
+ MFG* 271	Advanced Lean Manufacturing	3
		Certificate Total: 6

SUPPLY CHAIN MANAGEMENT CERTIFICATE

MFG* 172	Intro to Lean Supply Chain Management	3
+ MFG* 272	Implementing Lean Supply Chain Mgmt	3
		Certificate Total: 6

+ CAD* 133	CAD Mechanical AUTOCAD	3
	Directed Elective I	3-4
	Directed Elective II	3-4
		Subtotal: 21-23

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

COM* 173	Public Speaking	3
+ ENG* 101	Composition	3
	(Minimum "C" grade required)	
+ ENG* 202	Technical Writing	3
	Any PHL* (Philosophy) course	3

FINE ARTS

	A Fine Arts Elective	3-4
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SOCIAL AND BEHAVIORAL SCIENCES/LIBERAL ARTS

SOC* 190	Self and Others: Dynamics of Diversity	3
ECN* 101	Principles of Macroeconomics	3
	Elective Social and Behavioral Sciences (HIS* or ECN* recommended)	3
	Elective Social and Behavioral Sciences (POL* or HIS* recommended) OR Liberal Arts: GEO* recommended	3

MATH

+ MAT* 167	Principles of Statistics	3
+ MAT* 186	Precalculus	4

SCIENCE

+ CHE* 111	Concepts of Chemistry	4
+ PHY* 110	Introductory Physics	4

SUGGESTED SEMESTER SEQUENCE

Semester 1

+ ENG* 101	Composition	3
COM* 173	Public Speaking	3
+ MAT* 167	Principles of Statistics	3
+ CHE* 111	Concepts of Chemistry	4
MFG* 171	Introduction to Lean Manufacturing	3
		Subtotal: 16

Semester 2

+ ENG* 202	Technical Writing	3
+ MFG* 271	Advanced Lean Manufacturing	3
+ MAT* 186	Precalculus	4
+ PHY* 110	Introductory Physics	4
	Elective Social and Behavioral Sciences (HIS* or ECN* Recommended)	3
		Subtotal: 17

Semester 3

ECN* 101	Principles of Macroeconomics	3
PHL* XXX	Any Philosophy Course	3
	Directed Elective I	3-4
+ CAD* 133	CAD Mechanical AUTOCAD	3
MFG* 172	Intro to Lean Supply Chain Management	3
		Subtotal: 15-16

Semester 4

	Elective Social and Behavioral Sciences/LA (GEO*, POL* or HIS* Recommended)	3
	Elective Fine Arts Elective	3-4
+ MFG* 272	Implementing Lean Supply Mgmt.	3
SOC* 190	Self and Others: Dynamics of Diversity	3
	Elective Directed Elective II	3-4
		Subtotal: 15-17
		MINIMUM TOTAL: 63

DIRECTED ELECTIVES:

Any group of related courses from the following areas: Computer and Information Systems (CSA*, CSC*, CST*), Manufacturing (MFG*), Mathematics (MAT*), or Physics (PHY*).

Technology Studies: Manufacturing Electro- Mechanical Maintenance Technology Option (Associate in Science Degree)

This degree option provides comprehensive foundation course work in electro-mechanical industrial and engineering technologies, electronic controls, mathematics and physical sciences for continuation in a four-year technology degree program. A grade average of "C" is required for automatic continuation at Central Connecticut State University's School of Technology, where you can earn a Bachelor of Science degree in engineering technology, industrial technology, or technology education.

MAJOR REQUIREMENTS

(2.0 GPA required)

ELECTRO-MECHANICAL MAINTENANCE TECHNOLOGY CERTIFICATE

+ MFG* 158	Pneumatics & Hydraulics	3
+ MFG* 159	Industrial Maintenance	3
+ MFG* 162	CNC Maintenance & Repair I	3
+ MFG* 163	CNC Maintenance & Repair II	3
+ MFG* 164	Electro-Mechanical Seminar/Internship	4
Certificate Total:		16

+ MFG* 133	Math for Electricity & Electronics	3
+ MFG* 137	Circuit Theory	3
+ MFG* 138	Digital Fundamentals	3
+ MFG* 139	Circuit Theory II	3
Subtotal:		28

GENERAL EDUCATION REQUIREMENTS

HUMANITIES

COM* 173	Public Speaking	3
+ ENG* 101	Composition	3
(Minimum "C" grade required)		
+ ENG* 202	Technical Writing	3
PHL* (Any Philosophy Course)		3

FINE ARTS

Fine Arts Elective		3-4
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SOCIAL AND BEHAVIORAL SCIENCES

SOC* 190	Self and Others: Dynamics of Diversity	3
ECN* 101	Principles of Macroeconomics	3
Social and Behavioral Sciences Elective		3
(HIS* or ECN* recommended)		
Social and Behavioral Sciences Elective		3
(POL* or HIS* recommended)		

MATH AND SCIENCE

+ MAT* 123	Elementary Statistics or higher	3
+ CHE* 111	Concepts of Chemistry	4
+ PHY* 110	Introductory Physics	4

SUGGESTED SEMESTER SEQUENCE

Semester 1		
+ ENG* 101	Composition	3
ECN* 101	Principles of Macroeconomics	3
SOC* 190	Self and Others: Dynamics of Diversity	3
+ MFG* 133	Math for Electricity & Electronics	3
+ MFG* 137	Circuit Theory	3
Fine Arts Elective		3-4
Subtotal:		18-19

Semester 2		
+ ENG* 202	Technical Writing	3
COM* 173	Public Speaking	3
+ MFG* 138	Digital Fundamentals	3
+ MFG* 139	Circuit Theory II	3
+ MFG* 158	Pneumatics & Hydraulics	3
Social and Behavioral Sciences Elective		3
(HIS* or ECN* Recommended)		
Subtotal:		18

Semester 3		
+ MFG* 159	Industrial Maintenance	3
+ MFG* 162	CNC Maintenance & Repair I	3
+ MAT* 123	Elementary Statistics or higher	3
PHL* (Any Philosophy Course)		3
+ PHY* 110	Introductory Physics	4
Subtotal:		16

Semester 4			
+ MFG* 163	CNC Maintenance & Repair II	3	
+ MFG* 164	Electro-Mechanical Seminar/Internship	4	
+ CHE* 111	Concepts of Chemistry	4	
Social and Behavioral Sciences Elective		3	
(POL* or HIS* Recommended)			
Subtotal:		14	
MINIMUM TOTAL:			66

DEGREES