

# Central Connecticut State University

1615 Stanley Street  
New Britain, Connecticut 06050-4010

Department of  
Manufacturing & Construction Management

Effective: Fall 2005

Name: \_\_\_\_\_

I.D.# \_\_\_\_\_

Major: Industrial Technology

## MANUFACTURING SPECIALIZATION

Entry:  Fall  Spring  Transfer Cr.

### General Education

#### Study Area I - Arts and Humanities (9)

<input type="checkbox"/>	Literature	3
<input type="checkbox"/>		3
<input type="checkbox"/>		3

#### Study Area II - Social Sciences (9)

<input type="checkbox"/>	ECON 201	3
<input type="checkbox"/>	Historical	3
<input type="checkbox"/>		3

#### Study Area III - Behavioral Sciences (6)

<input type="checkbox"/>	PSY 112 **	3
<input type="checkbox"/>		3

#### Study Area IV - Natural Scientific (6)

<input type="checkbox"/>	PHYS 111 w/lab	3
<input type="checkbox"/>	CHEM 111 w/lab	3

#### Skill Area I - Communication Skills (6)

<input type="checkbox"/>	ENG 110*	3
<input type="checkbox"/>	COMM 140	3

#### Skill Area II - Mathematical (6)

<input type="checkbox"/>	STAT 104 *	3
<input type="checkbox"/>	MATH 115 *	3

#### Skill Area III - Foreign Language

- \_\_\_\_\_ 3 sequential years of one foreign language at the high school level
- \_\_\_\_\_ passed the foreign language exam.
- \_\_\_\_\_ Completed 112 or 114 foreign language courses
- \_\_\_\_\_ completed above 112 or 114 foreign language course demonstration of native proficiency in a language other than English

#### Skill Area IV - Univ. Requirements (2-3)

<input type="checkbox"/>	PE 144 Fitness/Wellness Venture	2
<input type="checkbox"/>		

### Major Requirements

#### Core Requirements (24 credits)

<input type="checkbox"/>	IT190	Intro. to Quality Assurance	3
<input type="checkbox"/>	IT401	Industrial Internship	3
<input type="checkbox"/>	IT310	Industrial Safety	3
<input type="checkbox"/>	IT362	Leadership Skills	3
<input type="checkbox"/>	AC210	Industrial Accounting	3
<input type="checkbox"/>	ENG403	Technical Writing	3
<input type="checkbox"/>	MGT295	Fundamentals of Management	3
<input type="checkbox"/>	MKT295	Fundamentals of Marketing	3

#### Six credit designated "international"

met:  YES  NO

#### First Year Experience requirement

met:  YES  NO

\*Placement exam may be required. ENG 110

must be taken before completing 60 credits.

\*\*Course is recommended.

\*\*\*Refer to CCSU undergrad catalog for specific

requirements.

#### Specialization Requirements (39 credits)

<input type="checkbox"/>	CET 113	Intro to Information Processing	3
<input type="checkbox"/>	EMEC 114	Intro to Energy Processing	3
<input type="checkbox"/>	MFG 118	Intro to Materials	3
<input type="checkbox"/>	MFG 121	Technical Drafting & CAD	3
<input type="checkbox"/>	MFG 216	Manufacturing Processes	3
<input type="checkbox"/>	MFG 226	Principles of CNC	3
<input type="checkbox"/>	MFG 236	Tool Design	3
<input type="checkbox"/>	ETM 340	Geometric Dimensioning/Tolerancing	3
<input type="checkbox"/>	IT 360	Production Systems	3
<input type="checkbox"/>	IT 464	Intro to Six Sigma Quality	3
<input type="checkbox"/>	MFG 496	Lean Manufacturing	3

Total 33

#### Recommended Tech. & Mgmt. Electives

<input type="checkbox"/>	ETM 260	CAD/CAM/CIM	3
<input type="checkbox"/>	MFG 366	Mfg. Supply Chain Strategy	3

#### Electives (to complete the required 122)

<input type="checkbox"/>			3
<input type="checkbox"/>			3
<input type="checkbox"/>			3

**Double counting Restriction** - Of the courses taken in the major and minor/concentration, a total of two courses may be counted to fulfill the Study Areas portion of the general education program.

**RESIDENCY REQUIREMENTS:** A minimum of 45 credits at CCSU with 15 credits in the Major and 9 credits in the Minor or Concentration (total 24 in Major).

**NOTE:** Eligibility for high honors requires the student to earn 62 credits in residence at CCSU.

# Central Connecticut State University

## Department of Manufacturing & Construction Management

### Manufacturing Curriculum

#### FIRST YEAR

##### Fall

EMEC 114	Intro to Energy Processing	3
IT 190	Intro to Quality Assurance	3
ENG 110 (FYE)	Study Area I	3
MATH 115	Skill Area II	3
Univ. Reqt.	Skill Area IV	2-3

**Total 14-15**

##### Spring

MFG 118	Intro to Materials	3
MFG 121	Technical Drafting & CAD	3
EMEC 114	Intro to Information Processing	3
STAT 104	Skill Area II	3
COMM 140	Skill Area I	3

**Total 15**

#### SECOND YEAR

##### Fall

MFG 216	Manufacturing Processes	3
AC 210	Industrial Accounting	3
Literature	Skill Area I	3
PSY 112	Study Area III	3
CHEM 111	Study Area IV	3

**Total 15**

##### Spring

MFG 226	Principles of CNC	3
MGT 295	Fund. of Management	3
ECON 201	Study Area II	3
PHYS 111	Study Area IV	3
Elective	Free or Language Reqt	3

**Total 15**

#### THIRD YEAR

##### Fall

MFG 236	Tool Design	3
IT 360	Production Systems	3
IT 310	Industrial Safety	3
Arts/Humanities	Study Area I	3
Elective	Free or Language Reqt	3
ETM 340	Geometric Dimensioning & Tolerancing	3

**Total 18**

##### Spring

IT 362	Leadership Skills	3
MKT 295	Fund. of Marketing	3
Historical	Study Area II	3
Elective	Tech or Mgmt	3
IT 401	Industrial Internship	3

**Total 15**

#### FOURTH YEAR

##### Fall

MFG 496	Lean Manufacturing	3
ENG 403	Technical Writing	3
Social Science	Study Area II	3
IT 464	Intro to Six Sigma Quality	3
Elective	Free	3

**Total 15**

##### Spring

Elective	Tech or Mgmt	3
Arts/Humanities	Study Area I	3
Behavioral	Study Area III	3
Elective	Free	3
Elective	Free	3

**Total 15**

**NOTE: A Total of 122 Credit Hrs. are required for the degree**  
Please check with your advisor regularly for scheduling and program advise.

**Program Effective: Fall 2005**