

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

ELECTRO-MECHANICAL 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"/>	CET 223	Basic Electrical Circuits	3
<input type="checkbox"/>	EMEC 303	Eletro-mechanical Converters	3
<input type="checkbox"/>	EMEC 323	Mechatronics	3
<input type="checkbox"/>	EMEC 324	Fluid Power Systems	3
<input type="checkbox"/>	EMEC 333	Data Acquisition & Control	3
<input type="checkbox"/>	EMEC 334	Mechanisms for Automation	3
<input type="checkbox"/>	EMEC 463	Prog Logic Controllers	3
<input type="checkbox"/>	IT 480	Robotics	3

Total 36

Select ONE of the following:

<input type="checkbox"/>	TE 214	Mechanical Energy	OR	3
<input type="checkbox"/>	MFG 216	Manufacturing Processes	OR	
<input type="checkbox"/>	CS 213	Appl of Programming	OR	

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

Electro-Mechanical Curriculum

FIRST YEAR

Fall

CET 113	Intro to Information Processing	3
EMEC 114	Intro to Energy Processing	3
ENG 110 (FYE)	Skill 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
IT 190	Intro to Quality Assurance	3
STAT 104	Skill Area II	3
COMM 140	Skill Area I	3

Total 15

SECOND YEAR

Fall

CET 223	Basic Electrical Circuits	3
AC 210	Industrial Accounting	3
Literature	Study Area I	3
PSY 112	Study Area III	3
CHEM 111	Study Area IV	3

Total 15

Spring

Elective	Free or Language Reqt	3
MGT 295	Fund. of Management	3
ECON 201	Study Area II	3
PHYS 111	Study Area IV	3
Elective	Tech or Mgmt	3

Total 15

THIRD YEAR

Fall

EMEC 334	Mechanisms for Automation	3
EMEC 303	Electro-mechanical Converters	3
MKT 295	Fund. of Marketing	3
Arts/Humanities	Study Area I	3
Elective	Free or Language Reqt	3
Elective	Free	3

Total 18

Spring

IT 310	Industrial Safety	3
EMEC 324	Fluid Power Systems	3
EMEC 333	Data Acquisition & Control	3
IT 362	Leadership Skills	3
Historical	Study Area II	3

Total 15

FOURTH YEAR

Fall

IT 480	Robotics	3
ENG 403	Technical Writing	3
EMEC 323	Mechatronics	3
Social Science	Study Area II	3
Elective	Free	3

Total 15

Spring

IT 401	Industrial Internship	3
EMEC 463	Prog. Logic Controllers	3
Arts/Humanities	Study Area I	3
Behavioral	Study Area III	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