ENGINEERING TECHNOLOGY DEPARTMENT
Central Connecticut State University
1615 Stanley St.
New Britain, Connecticut 06050
Tel: (860) 832-1815; Fax: (860) 832-1811
Web: www.technology.ccsu.edu

Name:_____

ID#:_____ **E-mail:**_____

Entry: Fall__Spring__Summer__ Year_____Transfer Credits____

Advisor:_____

Degree: **Bachelor of Science**
Major: **Manufacturing Engineering Technology**
Effective: **2006 FALL Semester**

General Education

STUDY AREAS:

I. Arts & Humanities (9 credits)

	Crs
English Literature	3
Philosophy or Fine Arts	3
English Lit. or Philosophy or Fine Arts	3

II. Social Sciences (6 credits)

History	3
ECON or GEOG or HIST or POL. SCI. or ET 399	3

III. Behavioral Sciences (3 credits)

Anthropology or Psychology or Sociology	3

IV. Natural Sciences (8 credits)

PHYS 121-Gen Physics or PHYS 125-Univ Physics I	4
PHYS 122-Gen Physics or PHYS 126-Univ Physics II	4

SKILL AREAS:

I. Communication Skills (6 credits)

ENG 110-Freshman Composition *	3
COMM 140-Public Speaking	3

II. Mathematics (6 or 8 credits)

MATH 135-Applied Engr. Calculus I or MATH 152-Calc I	3 or 4
MATH 136-Applied Engr. Calculus II or MATH 221 -Calc II	3 or 4

III.a Foreign Language (0-6 credits) **

III.b International (6 credits) ***

IV. University Requirements (2-3 credits)

PE 144-Fitness/Wellness (or ENGR 150 for Transfer Students)	2 or 3

Major Requirements

			Crs	Sem. F	Sem. S
	ENGR 150	Introduction to Engineering Technology	3	X	X
	ET 251	Applied Engineering Mechanics I (Statics)	3	X	X
	ET 252	Applied Engineering Mechanics II (Dynamics)	3	X	X
	ET 357	Strength of Materials	3	X	X
	ET 361	Engineering Technology Laboratory	3	X	X
	ET 399	Engineering Economy	3	X	X
	ETM 260	Computer Aided Design & Intgrtd. Manufacturing	3	X	X
	ETM 340	Geometric Dimensioning and Tolerancing	3	X	X
	ETM 356	Material Analysis	3	X	
	ETM 360	Computer Aided Planning (CAP)	3		X
	ETM 461	Manufacturing with Plastics and Composites	3		X
	ETM 462	Manufacturing Process Planning and Estimating	3	X	X
	ETM 466	Design for Manufacture	3	X	X
	ETM 498	Enginering Technology Senior Project (Capstone)	3		X
	Directed tech. electives selected in consultation with advisor		3 to 4	X	X

Additional Requirements

	MFG 121	Technical Drafting and CAD	3	X	X
	MFG 216	Manufacturing Processes	3	X	
	MFG 226	Principles of Numerical Control	3	X	X
	MFG 236	Tool and Die Fundamentals	3	X	X
	CET 236	Circuit Analysis	3		X
	CHEM 161	General Chemistry I	3	X	X
	CHEM 162	General Chemistry I - LAB	1	X	X
	EMEC 324	Fluid Power Systems	3		
	ET 240	Spreadsheet & Engr.Prob.Solving Tools ***Or*** CS 213 Appl.C	3	X	X
	IT 464	Six Sigma Quality	3		X
	IT 480	Robotics	3	X	X
	MATH 119	Pre-Calc. with Trig. ***Or*** MATH 121 -Pre-Calc.	4 or 3	X	X
	STAT 104	Elementary Statistics	3	X	X
	ENG 403	Technical Writing	3	X	X
	Elective (to complete 130 credits minimum degree requirement)		3	X	X
	TOTAL CREDITS		**130**		

Recommended Technical Electives

ET 300; ET 495; ETM 358; ETM 367; ETM 454; ETM 460; ETM 463; ETM 467; ENGR 490

A minimum grade of C- is required in these courses: STAT 104, MATH 1: ETM 468; MFG 366; MFG 436; IT 359; IT 432; IT 458; CET 113.

* Placement examination may be required before enrolling in English and Mathematics.

** Refer to Univesity Catalog, Academic Programs for Foreign Language proficiency and International (6 credit) requirements.

*** Courses with designator [I] in course description fulfill not only the General Education requirement, but also fulfill the International component. Refer to university catalog.

Manufacturing ET Program