

ENGINEERING DEPARTMENT

Central Connecticut State University

New Britain, Connecticut 06050

Tel: (860) 832-1815; Fax: (860) 832-1811

Web: technology.ccsu.edu

Name: _____

ID#: _____ E-mail: _____

Entry: Fall ___ Spring ___ Summer ___ Year ___ Transfer Credits _____

Advisor: _____

Degree: Bachelor of Science

Major: ----- Mechanical Engineering Technology

Effective: **2006 FALL Semester**

General Education

STUDY AREAS:

I. Arts & Humanities (9 credits)

	Crs
English Literature	3
PHIL or Fine Arts	3
English Literature or PHIL 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
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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)**

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III.b International (6 credits)***

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IV. University Requirements (2-3 credits)

PE 144-Fitness/Wellness or ENGR 150 for Transfer Students)	2 or 3
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A minimum grade of C- is required in these courses: (ETM 468; MFG 226; EMEC 334; CET 113; ET 454; ENGR 490 Study Area IV, Skill Area I, and Skill Area II.

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

**Refer to University Catalog, Academic Programs for Foreign Language proficiency 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.

Major Requirements

	Crs	Sem.	
		F	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 354 Applied Fluid Mechanics	3	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 & Intergrated Manufacturing	3	X	
ETM 340 Geometric Dimensioning and Tolerancing	3	X	X
ETM 356 Material Analysis	3	X	
ETM 358 Applied Thermodynamics	3		X
ETM 367 Machine Design	3	X	
ETM 462 Manufacturing Process Planning and Estimating	3	X	
ETM 464 CAD Solid Modeling and Design	3	X	X
ETM 466 Design for Manufacture	3	X	X
ETM 467 CAE Applied Finite Element Analysis	3	X	
ETM 498 Engineering Technology Senior Project (Capstone)	3		X
Directed tech. electives selected in consultation with an advisor	6	X	X

Additional Requirements

MFG 121 Technical Drafting and CAD	3	X	X
MFG 216 Manufacturing Processes	3	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		X
ET 240 Spreadsheet & Engr.Prob.SolvingTools Or CS 213-Appl.Com	3	X	X
MATH 119 Pre-Cal. with Trig. Or MATH 121-Pre-Cal. Math*	4 or 3	X	X
STAT 104 Elementary Statistics	3	X	X
ENG 403 Technical Writing	3	X	X
Electives (To complete 130 credits minimum degree requirement)	3 to 7	X	X
TOTAL CREDITS	130		

Recommended Technical Electives

ET 495; ETM 360; ETM 423; ETM 460; ETM 461; ETM 463;

ETM 468; MFG 226; EMEC 334; CET 113; ET 454; ENGR 490

