

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

Name: _____

ID#: _____ E-mail: _____

Entry: Fall__ Spring__ Summer__ Year_____ Transfer Credits__

Advisor: _____

Degree: **Bachelor of Science in Engineering Technology (BSET)**

Major: **Manufacturing Engineering Technology**

Effective: **2016 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 Polit.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
ENGR 290-Engr Tech Writing & Presentation	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 244-Fitness/Wellness (or ENGR 150 for transfer students)	2 or 3
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Major Requirements

			Sem.	
			F	S
		Crs		
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
ETM 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	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 497	Engineering Technology Senior Project Research	2	X	
ETM 498	Engineering Technology Senior Project (Capstone)	2		X
Directed tech. electives selected in consultation with advisor *****		3 to 4	X	X

Additional Requirements

MM 121	Technical Drafting and CAD	3	X	X
MM 216	Manufacturing Processes	3	X	X
MM 226	Principles of Numerical Control	3	X	
MM 236	Tool and Die Fundamentals	3		X
TM 464	Six Sigma Quality	3	X	X
ROBO 420	Manufacturing Automation	3	X	
CET 236	Circuit Analysis	3	X	X
CHEM 161	General Chemistry I	3	X	X
CHEM 162	General Chemistry I - LAB	1	X	X
ROBO 330	Fluid Power Systems	3	X	X
ENGR 240	Spreadsheet & Engr.Prob.Solv.Tools Or CS 213-Appl.Comp	3	X	X
MATH 119	Pre-Calc. with Trig. Or MATH 116-Pre-Calc. *	4 or 3	X	X
STAT 104	Elementary Statistics	3	X	X
Electives (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 423; ETM 460; ETM 463;
 ETM 467; ETM 468; MM 366; MFG 496; TM 359; TM 432; TM 458; ENGR 490

Minimum grade of C- is required in the following courses:
 all courses in the major, all additional requirements,
 and all courses in Study Area IV, and Skill Areas I and II.

* Placement examination may be required before enrolling in English and Mathematics courses. Contact CCSU's Learning Center.

** For students with credit for MATH 116, but not for MATH 119, MATH 115 is also required as a prerequisite for MATH 135 or MATH 152.

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

**** Any course with designator [I] in its description fulfills not only the General Education requirement, but also fulfills Skill Area III.b requirement.

***** For transfers, other Skill Area IV courses may be used (COMM115, COMM140; CET113; CS113; CS115; CS151; MATH115; RDG140; STAT200).

***** If ET 399 is used for Study Area II and ENGR 150 is used for Skill Area IV, 6 more credits of technical electives must be completed.

