ENGINEERING TECHNOLOGY

NAME _____ **DATE**_____

BACHELOR OF SCIENCE DEGREE – 124 Credits **I.D.#** _____ **PHONE #**_____

UNIVERSITY OF WISCONSIN-STOUT **ADVISOR**_____ **NEW XFER**

PROGRAM PLAN – May 2005 MECHANICAL DESIGN CONCENTRATION

Concentration Coordinator: Dr. Scott Springer, 332 FH, 715-232-2162, springers@uwstout.edu

GENERAL EDUCATION 51 CREDITS									
Communication Skills (8 credits)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**Done**
ENGL- 101 Freshman English – Comp. **or**									
ENGL- 111 Freshman English – Honors I 3									
ENGL- 102 Freshman English – Read & Writing **or**									
ENGL- 112 Freshman English – Honors II 3									
SPCOM- 100 Fundamentals of Speech 2									
Analytic Reasoning (6 credits)									
STAT- 130 Elementary Statistics 2									
MATH- 153 Calculus 4									
Health and Physical Education (2 credits)									
Courses from the approved GE listing 2									
Humanities and the Arts (9 credits)									
Courses from three or more areas – GE listing 9									
Social and Behavioral Sciences (9 credits)									
ECON- 201 General Economics 3 **or** ECON- 210 Principles of Economics I 3									
Courses from two or more areas – GE listing 6									
Natural Sciences (15 credits)									
CHEM- 135 College Chemistry 5									
PHYS- 241 College Physics I 5									
PHYS- 242 College Physics II 5									
Technology (2 credits)									
Course from the Technology area – GE listing 2									
Professional Studies (17 credits)									
RD- 100 Introduction to Engineering Technology 1									
RC- 381 Occupational Safety/Loss Control 2									
INMGT- 200 Production Operations Mgmt 3									
INMGT- 400 Organizational Leadership 3									
BUACT- 200 Financial-Managerial Accounting 2									
BUMKG-330 Principles of Marketing 3									
ENGL- 415 Technical Writing 3									
Basic Technology (23 credits)									
MFGT- 150 Introduction to Engineering Materials 3									
MFGT- 251 Polymer & Composite Processes 3									
MFGT- 252 Material Removal and Forming Processes 3									
MFGT- 253 Joining and Casting Processes 3									
CADD- 112 Principles of Engineering Drawing I 3									
RD- 205 Design for Industry 3									
ELEC- 303 Electric Circuits 3									
POWER- 260 Intro to Fluid Power 2									
Concentration Studies (33 credits)									
Concentration and Program details on reverse side									
TOTALS 124	**14**	**16**	**16**	**17**	**16**	**15**	**16**	**14**	**124**

ENGINEERING TECHNOLOGY
MECHANICAL DESIGN CONCENTRATION

MECHANICAL DESIGN 33 CREDITS	**Eight semester sequence**								
Core Requirements (27 credits)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**done**
ELEC- 341 Elect. & Mech Interface Devices 3									
MECH - 290 Mechanics of Solids I 3									
MECH- 291 Mechanics of Solids II 3 or PHYS- 321 4									
CADD- 113 Princ of Eng Drawing II 2									
CADD- 436 Comp Assist Design Prob 3									
MECH- 332 Mechanical Design 4									
MECH- 337 Mech Design Drafting 3									
MECH- 393 Mechanics of Machinery II 3									
RD- 320 Prototype Development 3 **or** RD- 420 R & D and RD- 421 R & D Lab 3 **or** MECH 437 Mechanical Design Lab 3									
Core Selectives (6 credits)									
TOTAL 33 Credits									

Core Selective Listing - choose 6 credits
PKG- 150 Packaging Fundamentals 2
PKG- 335 Packaging Machinery 3
MFGT- 303 Computer Aided Mfg. 3
MFGT- 405 Industrial Robotics 3
CADD- 212 Descriptive Geometry 3
CADD- 466 3-D Computer Modeling 3
ELEC- 348 Motors & Generators 2
POWER- 303 Mech. Power Trans 3
POWER- 361 Hydraulics 2
POWER- 362 Pneumatics 2
INMGT 300 Engineering Economy 2
INMGT 430 Employee Involvement 2
INMGT 462 Global Manufacturing Tour 3
SPCOM- xxx Advanced Speech 1-3
XXX- xxx Co-op/Field Experience 1-3
XXX- xxx By Advisor Approval 1-4

Student Organizations
- Society of Automotive Engineers
- American Society of Mechanical Engineers
- Society of Manufacturing Engineers
- Society of Women Engineers

Advisor Notes: T = Transfer **W** = Waived **S** = Substitute

- The Engineering Technology Program requires 124 credits to graduate, and an overall GPA of 2.50
- All Engineering Technology students are required to satisfy University wide ethnic studies and global perspective requirements.
- Review the General Education approved listing for GE electives and Ethnic Studies and Global Perspective courses.
- Use program assistance – adviser, program director. The student is ultimately responsible for program schedule and completion.
- **Co-op/Field Experience is strongly recommended and will significantly improve employment opportunities.**

Signature:	**Date:**
Student	
Advisor	
Program Director	
Associate Dean	