

ENGINEERING TECHNOLOGY

BACHELOR OF SCIENCE DEGREE – 124 Credits

UNIVERSITY OF WISCONSIN-STOUT

PROGRAM PLAN – May 2006 MECHANICAL DESIGN CONCENTRATION

Concentration Coordinators: **John Petro, 329 FH, 715-232-2296, petroj@uwstout.edu**

NAME _____ DATE _____

I.D.# _____ PHONE # _____

ADVISOR _____ NEW XFER _____

GENERAL EDUCATION 51 CREDITS									
Communication Skills (8 credits)	1	2	3	4	5	6	7	8	Done
ENGL- 101 Freshman English – Comp. 3 or									
ENGL- 111 Freshman English – Honors I 3									
ENGL- 102 Freshman English – Read & Writing 3 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 (23 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									
MFGT- 150 Introduction to Engineering Materials 3									
RD- 205 Design for Industry 3									
Concentration Studies (50 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 50 CREDITS	Eight semester sequence								
Core Requirements (44 credits)	1	2	3	4	5	6	7	8	done
CADD- 112 Principles of Engineering Drawing I 3									
MFGT- 251 Plastics Materials/Processing 3									
MFGT- 252 Material Removal and Forming Processes 3									
MFGT- 253 Joining and Casting Processes 3									
ELEC- 204 Electric Fundamentals 3									
ELEC- 341 Elect. & Mech Interface Devices 3									
POWER- 260 Intro to Fluid Power 2									
MECH - 290 Mechanics of Solids I 3									
MECH- 291 Mechanics of Solids II 3									
CADD- 113 Princ of Eng Drawing II 2									
CADD- 436 Comp Assist Design Prob 3									
MECH- 332 Mechanical Design 4									
MECH- 337 Mech Design Practicum 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 50 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	