ENGINEERING TECHNOLOGY

BACHELOR OF SCIENCE DEGREE – 124 Credits
UNIVERSITY OF WISCONSIN-STOUT
PROGRAM PLAN – MAY 2006 NANOTECHNOLOGY CONCENTRATION

NAME _____ DATE_____
I.D.# _____ PHONE #_____
ADVISOR_____ NEW XFER

Concentration Coordinator: TBA

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 **NANOTECHNOLOGY CONCENTRATION**									
NANOTECHNOLOGY 50 CREDITS	**Eight semester sequence**								
Core Requirements (41 credits)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**done**
CADD- 112 Principles of Engineering Drawing I 3									
MFGT- 251 Polymer & Composite Processes 3									
MFGT- 252 Material Removal and Forming Processes 3									
MFGT- 253 Joining and Casting Processes 3									
ELEC- 204 Electricity Fundamentals 3									
POWER- 260 Intro to Fluid Power 2									
NANO-101 Intro to Nanotechnology Lab 2									
NANO-301 Nano-structures 3									
NANO-320 Nano-characterization Methods 3									
NANO-420 Applications of Nanotechnology 3									
NANO-xxx Nano-fabrication coop/field experience UW/UM NNIN 1									
ELEC 260 Electrical Circuits 3									
ELEC 271 Digital Logic and Switching 3									
ELEC 341 Elec & Mech Interface Devices 3									
MECH - 290 Mechanics of Solids I 3									
Core Selectives (9 credits)									
TOTAL 50 Credits									

Core Selective Listing - choose 9 credits
MECH 291 Mechanics of Solids II 3
ELECT 272 Solid State Electronics 3
ELECT 274 Microprocessors 3
MFGT 340 Plastics Processing 3
INMGT 300 Engineering Economy 2-3
INMGT 314 Industrial Enterprise Practicum 3
INMGT 320 Quality Tools 3
CHEM 136 College Chemistry II 5
CHEM 325 Chemistry of Polymers 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	