

ENGINEERING TECHNOLOGY

BACHELOR OF SCIENCE DEGREE – 124 Credits

UNIVERSITY OF WISCONSIN-STOUT

PROGRAM PLAN – MAY 2006 NANOTECHNOLOGY CONCENTRATION

Concentration Coordinator: Dr. Scott Springer, 172C TW, 715-232-2162, springers@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 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 Plastics Materials/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-330 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	