

**UNIVERSITY OF WISCONSIN-STOUT**

College of Technology, Engineering, and Management  
Bachelor of Science Degree

August, 1998

Student \_\_\_\_\_

**Technology Education**

ID# \_\_\_\_\_ -- \_\_\_\_\_ -- \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS: (42)**

Credits

**PROFESSIONAL EDUCATION REQUIREMENTS : (39)**

Credits

**TECHNICAL REQUIREMENTS: (43)**

Credits

Communication Skills (8 min.)

ENGL-101 Fresh. English Comp. 3  
ENGL-102 Fresh. English Rd. & Wrt. 3  
SPCOM-100 Fund. of Speech 2

Teacher Ed. Core Courses (15 min.)

EDUC-303 Educ. Psychology 3  
EDUC-312 Intro. Curr., Meth. & Ass. 2  
EDUC-326 Foundations of Educ. 2  
EDUC-336 Multiculturalism 2  
EDUC-376 Cross Cult. Field Exp. 1  
EDUC-382 Sec/Rdg & Lang. Dev. 2  
SPED-430 Inclusion 3

Fundamentals of Technology (15 min.)

RD-205 Design for Industry 3  
MFGT-102 Manuf. Mat & Proc. I 3  
MFGT-103 Manuf. Mat & Proc. II 3  
MFGT-xxx Mat & Proc. for T. E. 3  
TECED-390 Lab & Class Mgm. for T.E. 2-3

Analytic Reasoning Skills (6 min.) (see note 4)

MATH- \_\_\_\_\_  
\_\_\_\_\_- \_\_\_\_\_

Technology Teacher Ed. Courses (24 min.)

TECED-160 Intro. Tech. Ed. 1  
TECED-260 Cur., Mth. & Ass for T. E. 3  
TECED-360 Field Exper. & Sem. for T. E. 1  
TECED-460 Adv. Cur., Mth. & Ass. T. E. 3  
TECED-409 Student Teaching 16

Human Endeavors (15 min.)

AEC-172 Construction Tech. 3  
TRANS-202 Transportation 2  
TRANS-203 Transportation Lab 1  
TRANS-204 Energy Technology 2  
TRANS-205 Energy Technology Lab 1  
TCS-304 Comm. & Info. Sys. 3  
INMGT-314 Ind. Enter. Practicum 3

Health & Physical Well-Being (2 min.)

\_\_\_\_\_- \_\_\_\_\_  
\_\_\_\_\_- \_\_\_\_\_

Student Organization Experience (TECA)

Advanced Technical Studies (13 min.)  
Technical Emphasis (see reverse side)

Humanities (9 min.)

Literature Elective \_\_\_\_\_  
\_\_\_\_\_- \_\_\_\_\_ 3

Please **Note** the following requirements.

1. Technology education students need a minimum of **124 credits** and a **2.75 grade point average** to graduate.
2. All students must account for the **design for diversity** requirement when planning their program of study (POLS-210, EDUC-336, & EDUC-376 will intrinsically fulfill this requirement).
3. Students must take HIST-210: Modern World History (3 credits) in the Humanities component or ANTH-220: Cultural Anthropology (3 credits) in the Social Behavioral Science component.
4. At least one course under Analytic Reasoning Skills must specifically address the study of **mathematics**.

Fine Arts Elective

Humanities Elective (see note 3)

Social & Behavioral Science (9 min.)

PSYC-110 Psychology 3  
POLS-210 Government 3  
Social Science Elective (see note 3) \_\_\_\_\_  
\_\_\_\_\_- \_\_\_\_\_

Natural Sciences (4 min.)

Physical Science Elective \_\_\_\_\_  
\_\_\_\_\_- \_\_\_\_\_

Student's Signature \_\_\_\_\_

Date: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

Technology (2 min.)

General Education Elective (2min.)

Biological Science Elective \_\_\_\_\_  
\_\_\_\_\_- \_\_\_\_\_

Advisor's Signature \_\_\_\_\_

Date: \_\_\_\_ - \_\_\_\_ - \_\_\_\_

## Technical Emphasis

All technology education students are required to complete a technical emphasis. The purpose of this requirement is to provide the student with a depth of understanding and skill within a specific technical area that is likely to be part of their teaching responsibilities at the secondary level. A general technology option has been provided for students who want to teach at the middle school level and therefore would like to increase their technical breadth. Lastly, a technical college transfer option has been provided for students enrolling in the technology education program and have completed a diploma or associates degree in a relevant technical field (e.g., automotive technology, electronics, technology, tool and die). To fulfill this requirement you must do the following: (1) review the options provided, (2) select one of the options for your emphasis, (3) enter the name of your selection on the front of this program plan sheet (see "Advanced Technical Studies"), and (4) complete the courses listed under the emphasis in question. Technical college transfers need to enter at least 13 credits of technical course work in the spaces provided and have them approved by your advisor.

<u>Design &amp; Engineering</u>		<u>Architecture &amp; Construction</u>		<u>Energy &amp; Power Mechanics</u>	
CADD-112 Engineering Drawing I	3	AEC-131 Architectural Graphics	3	POWER-103 Power Mechanics	2
CADD-113 Engineering Drawing II	2-3	AEC-233 Architectural Design I	3	ELEC-204 Elec./Elec. Fund.	3
CADD-234 Comp.-Ass. Design & Draft.	2	AEC-237 Architectural Technology	3	POWER-260 Intro. to Fluid Power	2
RD-320 Proto. Dev. & Model Making	3	AEC-175 Const. Materials	1	POWER-303 Mech. Power Trans.	3
RD-420 Research & Develop	2	AEC-270 Heavy Constr. Meth. & Equip.	3	POWER-499 Independent Study	3
RD-421 Research & Develop Lab	1				
	Total 13		Total 13		Total 13
<u>Graphic Communications</u>		<u>Telecommunications</u>		<u>Automation &amp; Manufacturing</u>	
GCM-141 Graph. Comm./Elec. Pub.	3	ELEC-204 Elec./Elec. Fund.	3	CADD-112 Engineering Drawing I	3
GCM-151 Electronic Prepress	3	TCS-281 Data Communications	3	MFGT-304 Computer-aided Manuf.	3
GCM-266 Press Systems	4	TCS-283 Protocols & Interfacing Lab.	3	MFGT-305 Robotics	2
GCM-345 Publication Production	3	TCS-306 Intro. to Telephony	2	MFGT-337 Numerical Control	3
or		TCS-499 Independent Study	2	MFGT-310 Manufacturing Systems	3
GCM-343 Graphic Comm. Practicum	3				
	Total 13		Total 13		Total 14
<u>General Technology</u>		<u>Technical College Transfer Option</u>		<u>Electronics &amp; Computers</u>	
CADD-112 Engineering Drawing I	3	_____	_____	ELEC-204 Elec./Elec. Fund.	3
POWER-103 Power Mechanics	2	_____	_____	ELEC-271 Digital Logic & Switching	3
GCM-141 Graph. Comm./Elec. Pub.	3	_____	_____	ELEC-355 Electrical Systems Application	3
MGFT-304 Computer-aided Manuf.	3	_____	_____	ELEC-374 Microprocessors Fund.	3
MEDIA-304 Elementary Photography	3	_____	_____	ELEC-395 Seminar	1
	Total 14		Total 13		Total 13

Approved by \_\_\_\_\_

Date: \_\_\_\_ - \_\_\_\_ - \_\_\_\_