

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

EP.01.20

Office of the Provost and Vice Chancellor  
for Academic Affairs

Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



April 11, 2001

Susan A. Lamb, Chair  
Senate Committee on Educational Policy  
Office of the Senate  
228 English Building, MC-461

Dear Professor Lamb:

Enclosed are copies of a proposal from the College of Agriculture, Consumer and Environmental Sciences for a new minor in Technical Systems Management.

This proposal has been approved by the College; it now requires Senate review.

Sincerely,

A handwritten signature in cursive script that reads "Keith A. Marshall".

Keith A. Marshall  
Assistant Provost

KAM/ab

c University Librarian  
W. Banwart  
P. Buriak  
L. Bode

**EP.01.20**

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

College of Agricultural, Consumer  
and Environmental Sciences

Academic Programs  
104 Mumford Hall, MC-710  
1301 West Gregory Drive  
Urbana, IL 61801



February 16, 2001

Susan Lamb, Chair  
Senate Educational Policy Committee  
Office of the Senate  
228 English Building, MC-461

Dear Professor Lamb:

Enclosed are copies of a proposal from the College of Agricultural, Consumer and Environmental Sciences to create a new Minor in Technical Systems Management (TSM).

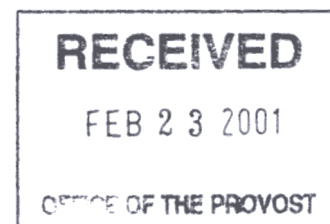
The proposal was approved by the College of ACES Faculty at its regular meeting on February 2, 2001 and requires Senate review. We look forward to your response.

Sincerely,

Wayne Banwart  
Assistant Dean, College of ACES

WLB/rhc

cc: P. Buriak  
L. Bode  
K. Marshall



**MINOR IN TECHNICAL SYSTEMS MANAGEMENT  
DEPARTMENT OF AGRICULTURAL ENGINEERING  
PROPOSED EFFECTIVE DATE: ~~JANUARY~~ 2001  
FALL**

***Brief Description of Program of Study:*** The minor in Technical Systems Management is designed to broaden the students' ability to solve problems involving the application, management and /or marketing of agricultural engineering technologies. The minor in Technical Systems Management will benefit those students who want to supplement their major field with the study of related technologies. Approximately 10 students are expected to enroll in the minor. A minimum of 18 hours is required for the TSM minor.

***Prerequisites for Technical Systems Management Minor: (not included in required 18 hours)***

Mathematics 134, Physics 101, and Chemistry 101 and 105; and Physics 102 or Chemistry 102 and 106

***Prescribed for Technical Systems Management Minor: (minimum of 18 hours required)***

TSM 100 (3 hours) – Technical Systems in Agriculture

***Electives for Technical Systems Management Minor (6 hours of course work must be 300 level):***

TSM 200 (3 hours) – Materials and Construction Technology

TSM 202 (3 hours) – Metallurgy, Materials, and Welding Processes

TSM 203 (3 hours) – Electric Wiring, Motors, and Control Systems

TSM 221 (4 hours) – Power and Machinery Management

TSM 240 (2 hours) – Fluid Power Technology

TSM 252 (3 hours) – Soil and Water Management Systems

TSM 271 (3 hours) – Residential Housing Design

TSM 272 (3 hours) – Structural Environmental Systems

TSM 281 (3 hours) – Grain Drying, Handling, and Storage Systems

TSM 300 (1-3 hours) – Special Problems

TSM 333 (3 hours) – Chemical Application Systems

TSM 341 (3 hours) – Engine and Tractor Power

TSM 372 (3 hours) – Waste Management for Environment and Safety

TSM 381 (3 hours) – Electrical and Microcomputer Control Systems

***Admission to the minor:*** The Department of Agricultural Engineering will manage admission to the TSM minor. Admission will be restricted to students having completed a minimum 60 hours with a minimum GPA of 2.5.

***Advisors for minor:*** Advisors who advise TSM majors will be available to advise all students in the TSM minor.

***Successful Completion:*** The College of ACES Office of Academic Programs will certify completion of the minor by ACES majors. Students from other colleges will be certified by their home college.

**Statement for the catalog:** The minor in Technical Systems Management is designed to broaden students' ability to solve problems involving the application, management and/or marketing of agricultural engineering technologies. The minor in Technical Systems Management will benefit students who want to supplement their major field with the study of related technologies.

**Departmental Contact:** Philip Buriak, Ph.D.  
 Professor and Coordinator of  
 Technical Systems Management  
[p-buriak@uiuc.edu](mailto:p-buriak@uiuc.edu)

**Prerequisites outside of sponsoring unit:**

Mathematics 134, Physics 101, and Chemistry 101 and 105; and Physics 102 or Chemistry 102 and 106

Hours	Requirements
3	TSM 100 - Technical Systems in Agriculture
15*	To be selected from the following list:  TSM 200 (3 hours) – Materials and Construction Technology TSM 202 (3 hours) – Metallurgy, Materials, and Welding Processes TSM 203 (3 hours) – Electric Wiring, Motors, and Control Systems TSM 221 (4 hours) – Power and Machinery Management TSM 240 (2 hours) – Fluid Power Technology TSM 252 (3 hours) – Soil and Water Management Systems TSM 271 (3 hours) – Residential Housing Design TSM 272 (3 hours) – Structural Environmental Systems TSM 281 (3 hours) – Grain Drying, Handling, and Storage Systems TSM 300 (1-3 hours) – Special Problems TSM 333 (3 hours) – Chemical Application Systems TSM 341 (3 hours) – Engine and Tractor Power TSM 372 (3 hours) – Waste Management for Environment and Safety TSM 381 (3 hours) – Electrical and Microcomputer Control Systems

\* 6 hours of coursework must be at the 300 level.