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,

Keith A. Marshall
Assistant Provost

KAM/ab

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

cc: P. Buriak
    L. Bode
    K. Marshall
MINOR IN TECHNICAL SYSTEMS MANAGEMENT
DEPARTMENT OF AGRICULTURAL ENGINEERING
PROPOSED EFFECTIVE DATE: FALL 2001

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

Prerequisites outside of sponsoring unit:

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

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<th>Hours</th>
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<td>TSM 100 - Technical Systems in Agriculture</td>
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* 6 hours of coursework must be at the 300 level