

GRADUATE
NEW/REVISED/DELETED GRADUATE PROGRAMS COVER SHEET
(Degree Programs, Sequences, Graduate-Level Certificates)
Graduate Curriculum Committee
2005-06

Deadlines for receipt by Graduate Curriculum Committee:

Revised Degree Program, Sequence, Graduate Certificates: November 11, 2005, for inclusion in 2006-07 catalog.

New Sequence, New Graduate Certificate: October 14, 2005, for inclusion in 2006-07 catalog.

New Degree Program: February 10, 2006, for inclusion in 2007-08 catalog.

DEPARTMENT/SCHOOL: Department of Technology DATE: August 29, 2005

TITLE OF DEGREE, SEQUENCE, OR CERTIFICATE: MS in Technology, Project Management sequence

Proposed Action: (Refer to Part I, Section C of *GCC Proposal Guidelines and Procedures*.)

New* (Check one):

Degree Program** (goes beyond Graduate Curriculum Committee)

Sequence (goes beyond Graduate Curriculum Committee)

Post-Master's Graduate Certificate (goes beyond Graduate Curriculum Committee)

Post-Baccalaureate Graduate Certificate (goes beyond Graduate Curriculum Committee)

Graduate Certificate

Change in requirements for: (Check one.)

Degree Program Sequence Certificate

Other program revisions

Deletion of: (Check one.)

Degree Program (goes beyond Graduate Curriculum Committee)

Sequence (goes beyond Graduate Curriculum Committee)

Post-Master's Graduate Certificate (goes beyond Graduate Curriculum Committee)

Post-Baccalaureate Graduate Certificate (goes beyond Graduate Curriculum Committee)

Graduate Certificate

*Attach approved *Request for New Program Approval: Reporting of Financial Implications* form (available at www.academicsenate.ilstu.edu/documents.html).

**Obtain the New Program Request (NEPR) format from the Office of the Provost.

Summary of proposed action. For all proposals, provide current title and current catalog copy. Provide new title and new catalog copy for new programs, and for revised programs if catalog copy/title is altered. For revised programs, provide a summary of the changes. (Refer to New/Revised/Deleted Programs checklist in *GCC Guidelines and Procedures*.)

Propose to convert existing Concentration by Advisement in Project Management to Sequence in Project Management as option in MS in Technology degree. Would use existing courses and not involve any increase in number of sections offered or other resources.

Routing and action summary:

1. _____	4. _____
Dept./School Curriculum Committee Chair	College Dean
Approved	Date
2. _____	5. _____
Department Chair/School Director	Teacher Education Council Chair
Date Approved	Date Approved
	(28 copies to Dean of College of Education)
3. _____	6. _____
College Curriculum Committee Chair	Graduate School
Date Approved	Date Approved

Submit **10** copies of proposal to the Graduate Curriculum Committee. In addition, for new and deleted degree programs, sequence,s and Post-Baccalaureate and Post-Master's certificates, submit an electronic version (MS Word format). These proposals are routed by GCC to the Academic Senate. The Senate requires electronic submission of all materials for posting to the Senate

Web site.

Curriculum Proposal Guidelines and Procedures, Fall 2005

Request for Approval of Degree Program Name Change

1. Institution

Illinois State University, College of Applied Science and Technology

2. Responsible Department

Department of Technology

3. Proposed Program Title

Master of Science in Technology
Project Management Sequence

4. Previous Program Title

Master of Science in Technology
Training & Development Sequence
Technology Education Sequence

5. CIPS Classification

No change anticipated

6. Proposed Date of Initiation

Change with printing and distribution of 2006-2007 Graduate Catalog

7. Description of Proposed Name Change

Master of Science in Technology
Project Management Sequence
Training & Development Sequence
Technology Education Sequence

8. Rationale for Proposal

The department currently offers a Master of Science degree with two sequence options. The sequences include Training and Development and Technology Education. In addition the Department offers graduate certificates in Training and Development as well as Project Management.

For the past 3 years MS degree seeking students have also been able to do a concentration by advisement to develop skills and expertise in Project Management through successful completion of 9 hours of elective coursework (TEC 430, 431, & 432). During that time, the degree program enrollments have grown from 28 students to more than 60 with approximately 60% of enrolled students pursuing studies in Project Management

courses. Based on that demand and growth the Department of Technology currently offers 2 sections of each Project Management course per year. After 3 years of substantive and growing enrollments in the project management concentration, the Department of Technology has been urged by both alumni and our professional advisory board to request that this Project Management Concentration be named as a Sequence in Project Management.

This Project Management sequence would allow this degree to continue to serve the needs of a very diverse group of technologists and others with careers from such technology related roles as technical education, technology education, training, development, technology management, project management, quality control, and industrial supervision in construction, manufacturing, industrial computer systems and graphic communications industries. The advisory board believes that the proposed change would enhance employer recognition for the graduate degree (which currently provides Project Management coursework to a broad array of students from varied technological majors and minors) by highlighting students' studies in Project Management on their University transcript.

9. Expected Impact of Proposal on Existing Campus Programs

This change would not impact any existing program on campus

10. Curricular Change Including New Courses

No curricular change is proposed at this time. The TEC 430, 431, and 432 courses currently taught as electives and for the Project Management concentration and the Graduate Certificate in Project Management would now also be required courses for the new sequence.

11. Anticipated Staffing Arrangements

No staffing changes would be required as direct result of this name change

12. Anticipate Funding Needs and Source of Funds

No additional funds would be required as a result of this change. Two sections of TEC 430, 431, and 432 are currently offered per year. Enrollment management efforts in place are designed to limit future growth of the program to assure sustainability within current resources.

Proposed 2006-2007 catalog copy

TECHNOLOGY (TEC)

210 Turner Hall, (309) 438-3661

www.castilstu.edu/tec

Chairperson: Rodney L. Custer, Office: Turner Hall 210

Graduate Program Director: Dan Brown

Graduate Faculty: R. Boser, P. Brauchle, D. Brown, H. Campbell, R. Custer, M. El-Gafy, A. Gokhale, R. Meier, C. Merrill, B. Park, L. Riefschneider, K. Schmidt, K. Stier, D. Wilson..

Degree Programs Offered

The department offers a Master of Science in Technology degree. A Student may choose: (a) 30 semester hour program with a thesis, or (b) 33 semester hour program, plus a comprehensive examination. *Three sequences, including Project Management, Training and Development and Technology Education, are offered.* The Technology Education sequence is not a teacher certification program. Certified teachers pursue the degree for professional development. Non-certified students also may pursue the master's degree in conjunction with the other undergraduate courses required for teacher certification. University requirements for master's degrees are listed elsewhere in this catalog. All courses, including transfer courses, must be listed on the Plan of Study and approved by the graduate coordinator and the Director of Graduate Studies.

Graduate Certificate Programs

The department offers a graduate certificate in Project Management. This certificate requires successful completion with a grade of B or better in each of TEC 430, 431, and 432. Project Management is a rapidly growing field with numerous career opportunities in manufacturing, construction, printing and media development, industrial computer systems, and training industries. This certificate provides entry-level credentials appropriate for persons with technical expertise and substantial work experience. The content for these courses was identified through analysis of the Project Manager's Body of Knowledge developed by the Project Management Institute (PMI) organization and is consistent with those standards. This is not an advanced Project Management Professional (PMP) certification examination preparation program.

The department offers a graduate certificate in Training and Development. This certificate requires successful completion with a grade of B or better in each of TEC 406, 407, and 408. Training is a growing profession in industry but often does not require a graduate degree as credential for performing this important role. This certificate can allow the development of credentials and enhanced expertise for those attempting to become trainers in industry without the necessity of completing the degree. Course content was identified through analysis of American Society for Training and Development (ASTD) and International Board of Standards for Training, Performance and Instruction (IBSTPI) standards and recommendations and is consistent with those recommendations and standards.

Courses completed as a portion of the Department of Technology Graduate Certificate Programs may also be counted toward the requirements of the Master of Science in Technology degree. No transfer of credit may be counted toward completion of certificates. Students must petition for certificate eligibility.

Admission Requirements

Admission to the master's degree program or the graduate certificate programs requires an earned bachelor's degree with a minimum undergraduate cumulative GPA of 2.8 or a GPA of 3.0 in the last 60 undergraduate hours. Program applicants are encouraged, but not required, to submit scores of the General Test of the GRE. Program applicants with a GPA lower than 2.8 overall or 3.0 in the last 60 undergraduate hours must submit scores of the General Test of the GRE to be considered for probationary program admission and/or to apply for graduate assistantships. (Graduate Certificate students who are not enrolled in a degree program are not eligible for assistantships.) Applicants should submit to the department's graduate coordinator two letters of recommendation from professors or employers. Evidence of other significant professional experience that may contribute to the applicant's readiness for graduate work, such as publications or research reports, or evidence of professional leadership activities, may also be submitted.

Scholastic Requirements for Graduate Assistants

Students must be in academic good standing at the graduate level to retain a graduate assistantship.

Academic Advisement

Students seeking a master's degree in Technology should meet with the graduate coordinator of the department prior to enrollment in graduate courses. Deficiencies, if any, will be determined and a graduate advisor assigned. The student and advisor will plan the graduate program and submit the Plan of Study required by the Graduate School for the graduate coordinator's and chairperson's approval after admission to the degree program.

Curriculum Requirements

Students must select one of two options (30 semester hours including thesis or 33 semester hours with a comprehensive exam) in completing the M.S. degree. Included in these options is a 6 credit hour core of courses required of all degree students, TEC 445 and TEC 497.

Students must also complete courses selected from the following: TEC 400 and/or 300-level technical courses (if approved for graduate credit) and/or approved courses from other departments. No more than nine hours may be taken in a combination of 393, 397, 400, 493 and 498 general courses. Students may select courses from other departments only by advisement.

30 Hour Thesis Option: Students selecting the thesis option will complete the core requirements of 6 hours and 6 hours of thesis. The remaining 18 hours of graduate course work is selected through advisement including the use of sequences or concentrations. A minimum of 15 credit hours (in addition to thesis credit) must be at the 400 level for the 30 hour program.

33 Hour Comprehensive Exam Option: Students selecting the comprehensive exam option will complete the core requirement of 6 hours as well as successfully complete a comprehensive examination scheduled through the department. The remaining 27 hours of graduate course work are selected through advisement and include the use of sequences and/or concentrations. In addition to the selected sequence or concentration, each student must also select an additional 9 credit hour area of concentration (consisting of pre-approved conceptually connected course work). A minimum of 15 credit hours must be at the 400 level for the 33 hour program.

Training and Development Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Training and Development Sequence. Sequence requirements include the 6 hour degree core, courses/requirements necessary for the chosen *thesis or comprehensive examination* option, and the following 9 hours of course work: TEC 406, 407, and 408.

Technology Education Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Technology Education Sequence. Sequence requirements include the 6 hour degree core, courses/requirements necessary for the chosen *thesis or comprehensive examination* option, and the following 9 hours of course work: TEC 420, 421, and 422.

Project Management Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Project Management Sequence. Sequence requirements include the 6 hour degree core, courses/requirements necessary for the chosen thesis or comprehensive examination option, and the following 9 hours of course work: TEC 430, 431, and 432.

Note: revised copy