

**LUMPKIN COLLEGE OF BUSINESS AND APPLIED SCIENCES
EXECUTIVE ACTION REQUEST**

TO: Council on Graduate Studies

FROM: Dr. Austin Cheney, Dean, Lumpkin College of Business and Technology

DATE: 12/13/2022

ACTION REQUESTED:

Removal of the verbiage “The Degree Program Allows Focus in the Following Four Area” section from the Technology: Master of Science.

RATIONALE:

We are requesting that the “The Degree Program Allows Focus in the Following Four Area” of the Technology: Master of Science in the Graduate Catalog be removed from the catalog.

Reasoning: This section was initially placed in the catalog to support efforts in the recruitment of new students. Over the past few years we have been removing this wording from our promotional and marketing material. We are now requesting to update the EIU Graduate Catalog pages for the Technology: Master of Science. This should be considered a cleanup procedure of the MS in Technology Graduate Catalog page.

CURRENT:

Technology: Master of Science

Program Mission: The purpose of the Master of Science in Technology program is to develop advanced knowledge and skills in those responsible for the leadership and management of technological issues and resources. The program is designed to:

- provide learning opportunities for developing advanced professional, technical, and personal competencies in the discipline;
- identify, develop, and implement quality strategies in today’s organizations;
- develop research and communication skills necessary for technological leadership; and
- provide an understanding of ethical and social implications related to global technological societies. The master’s program places special emphasis on quality systems, work performance improvement, and computer technology. The graduate program offers certificates in these specialized areas.

Admission Requirements: To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see “Admission to Degree and Certificate Programs”). In addition to the published university graduate degree status requirements, the

School of Technology requires that applicants demonstrate significant relevant educational background and/or work experience or training when determining admission classification (degree, non-degree, or provisional). Provisionally admitted students may be required to complete course work in technology or a related field to meet admission requirements established by the School of Technology's Graduate Committee.

Degree Audit: The graduate plan of study is the EIU Degree Audit, which is generated automatically at the time of degree or certificate candidacy. Modifications of the standard EIU Degree Audit are submitted by the graduate coordinator to the certification officer in the Graduate School at the time modifications are approved. The Degree Audit serves as an unofficial summary of requirements for the program. Degree and certificate candidates are advised to review the comprehensive summary of the Degree Audit process specified on the "Requirements for All Degree and Certificate Candidates" section of the Graduate Catalog. Individual programs may require candidates to submit plans of study in addition to the Degree Audit, candidates should consult with the program coordinator.

Degree Requirements

Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree").

Students must complete a minimum of 26 semester hours of course work exclusive of internship, independent study, and workshop credit.

In addition, the Master of Science in Technology degree requires this core:

TEC 5001 - Seminar in Technology Credits: 1

TEC 5103 - Leadership in Technology Credits: 3

TEC 5133 - Total Quality Systems. Credits: 3

TEC 5143 - Research in Technology Credits: 3

TEC 5173 - Global Technology. Credits: 3

TEC 5980 - Industrial Internship in the Technologies. Credits: 1 to 10

OR

TEC 5990 - Independent Study Credits: 1 to 6

OR

TEC 5950 - Thesis Credits: 3 to 6

The Degree Program Allows Focus in the Following Four Areas

Career and Technical Education: The curriculum is designed for individuals who are committed to excellence in learning and education in the areas of Business Education, Family and Consumer Sciences Education, and Technology Education. Studies include curriculum development, social foundations of education, principles of career development, occupational perspectives, training program development, accelerated training and learning, administration and coordination techniques of cooperative occupational education, and instructional technology.

Computer Technology: The curriculum provides students with knowledge and skills in current computer technology. Key areas include data communications and networking technology, advanced database technology, multimedia and web technology, management of computer technology, data acquisition, industrial system simulation, advanced computer integrated manufacturing, automatic identification, and other industrial applications of computer technology.

Technology Management: The curriculum is suitable for students who desire to be part of an effective management team in industrial related organizations. The program offers the ideal blend of technical knowledge and management principles needed for effective leadership. Key areas include total quality systems, statistical quality assurance, design for quality, advanced manufacturing management, industrial productivity analysis, industrial simulation, advanced computer integrated manufacturing, plant layout and material handling technology, problem solving techniques for manufacturing, reliability, and product innovation.

Training and Development: This cluster of courses is suitable for students who aspire to be part of performance improvement teams in industry and business. It focuses on helping people in the organization to reach their excellence in their respective capacity. Studies include work performance technology, leadership, training systems management, instructional technology, conflict in the workplace, productive work teams, and accelerated training and learning.

In addition to the credit hour requirements, students with non-thesis options are required to be certified with comprehensive knowledge pertaining to their graduate study. Students are required to provide a satisfactory written report and an oral presentation under the guidance of a faculty mentor and the certification committee, during the graduating semester.

Elective Course Work

Elective course work in the School of Technology includes senior-graduate and graduate courses with the prefixes of TEC, INT (Industrial Technology) COS (Career and Organizational Studies), and CTE (Career and Technical Education).

Elective course work from other academic disciplines may be included on the student's study plan with the written permission of the Graduate Coordinator or Chair, School of Technology.

Graduate Assistantships

Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, School of Technology, 1014 Klehm Hall, EIU.

Accelerated Graduate Program

Admission to the accelerated MS in Technology requires that a student have completed a minimum of 60 hours of undergraduate course credit and have a minimum undergraduate cumulative GPA of 3.25. In addition, applicants must have completed a minimum of 30 hours in the undergraduate major of Computer Information Technology; Construction Management; Engineering Technology; or Digital Media Technology.

To apply for the accelerated MS in Technology, applicants meeting the above requirements must submit two letters of reference, a resume and a statement of purpose essay; which should include academic background, related work experience, personal and professional goals, and reasons to pursue graduate study in Technology to the Graduate Coordinator and must also complete the Graduate School's Accelerated Program Application.

Shared Coursework

Students may select from the following courses for a total of 9 hours of shared credit.

EGT 4843 - Statistical Quality and Reliability Credits: 3

ODL 4840 - Training Program Development. Credits: 3

TEC 5103 - Leadership in Technology Credits: 3

TEC 5133 - Total Quality Systems. Credits: 3

TEC 5173 - Global Technology. Credits: 3

TEC 5213 - Work Performance Technology. Credits: 3

TEC 5243 - Design for Quality. Credits: 3

TEC 5293 - Strategic Employee Development Credits: 3

TEC 5313 - Networking and Advanced Data Communications. Credits: 3

TEC 5323 - Advanced Database Technology. Credits: 3

TEC 5333 - Management of Computer Technology. Credits: 3

TEC 5343 - Multimedia and Web Technology. Credits: 3

PROPOSED:

Technology: Master of Science

Program Mission: The purpose of the Master of Science in Technology program is to develop advanced knowledge and skills in those responsible for the leadership and management of technological issues and resources. The program is designed to:

- provide learning opportunities for developing advanced professional, technical, and personal competencies in the discipline;
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complete course work in technology or a related field to meet admission requirements established by the School of Technology's Graduate Committee.

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Degree Requirements

Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree").

Students must complete a minimum of 26 semester hours of course work exclusive of internship, independent study, and workshop credit.

In addition, the Master of Science in Technology degree requires this core **set of courses**:

TEC 5001 - Seminar in Technology Credits: 1

TEC 5103 - Leadership in Technology Credits: 3

TEC 5133 - Total Quality Systems. Credits: 3

TEC 5143 - Research in Technology Credits: 3

TEC 5173 - Global Technology. Credits: 3

TEC 5980 - Industrial Internship in the Technologies. Credits: 1 to 10

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TEC 5990 - Independent Study Credits: 1 to 6

OR

TEC 5950 - Thesis Credits: 3 to 6

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In addition to the credit hour requirements, students with non-thesis options are required to be certified with comprehensive knowledge pertaining to their graduate study. Students are required to provide a satisfactory written report and an oral presentation under the guidance of a faculty mentor and the certification committee, during the graduating semester.

Elective Course Work

Elective course work in the School of Technology includes senior-graduate and graduate courses with the prefixes of TEC, INT (Industrial Technology), COS (Career and Organizational Studies), and CTE (Career and Technical Education), CIT (Computer and Information Technology), DGT (Digital Media Technology), EGT (Engineering Technology), ODL (Organizational Development), CYB (Cybersecurity), and ATD (Talent Development).

Elective course work from other academic disciplines may be included on the student's study plan with the written permission of the Graduate Coordinator or Chair, School of Technology.

Graduate Assistantships

Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, School of Technology, 1014 Klehm Hall, EIU.

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To apply for the accelerated MS in Technology, applicants meeting the above requirements must submit two letters of reference, a resume and a statement of purpose essay; which should include academic background, related work experience, personal and professional goals, and reasons to pursue graduate study in Technology to the Graduate Coordinator and must also complete the Graduate School's Accelerated Program Application.

Shared Coursework

Students may select from the following courses for a total of 9 hours of shared credit.

EGT 4843 - Statistical Quality and Reliability Credits: 3
ODL 4840 - Training Program Development. Credits: 3
TEC 5103 - Leadership in Technology Credits: 3
TEC 5133 - Total Quality Systems. Credits: 3
TEC 5173 - Global Technology. Credits: 3
TEC 5213 - Work Performance Technology. Credits: 3
TEC 5243 - Design for Quality. Credits: 3
TEC 5293 - Strategic Employee Development Credits: 3
TEC 5313 - Networking and Advanced Data Communications. Credits: 3
TEC 5323 - Advanced Database Technology. Credits: 3
TEC 5333 - Management of Computer Technology. Credits: 3
TEC 5343 - Multimedia and Web Technology. Credits: 3

EFFECTIVE DATE: (i.e.: Fall 20XX, Spring 20XX):

Spring 2023

<http://www.eiu.edu/~eiucaa/CAABylaws.pdf>