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MASTER OF SCIENCE DEGREE
IN
CAREER AND TECHNICAL EDUCATION
(TECHNOLOGY EDUCATION)
OPTION

STUDENT INFORMATION PACKET

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CAREER AND TECHNICAL EDUCATION
MASTER of SCIENCE DEGREE

Technology Education Option

The Master of Science Degree in Career and Technical Education with an option in Technology Education has been planned for those individuals who are seeking Rank II certification and/or a graduate degree in technology education teaching. The following 30-hour program of studies is prescribed:

Core Courses (12 semester hours)

*CTE 865	Evaluation in Technical Education
*CTE 888	Occupational Information
*EPY 869	Research in Education
TEC 830	Creative Problem Solving

Technology Teaching (12 semester hours)

*CTE 863	Organization and Administration of Career and Technical Education
*CTE 864	Technical Education Facility Planning
TEC 831	Applied Problem Solving
TEC 867	Research in Technology

Supporting Work (6 semester hours) – Select From:

EAD 827	Finance and Support Services in School
EAD 828	School Law and Ethics in School Leadership
EDF 855	Foundations of Multicultural Education
EMS 880	Organization and Supervision of Student Teaching
ESE 872	Curriculum Practices and Trends in Industrial Education

*Required for Career and Technical Education Principal certification in Kentucky.

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Master of Science Degree in CAREER and TECHNICAL EDUCATION

Technology Education Option

CURRICULUM

Core Courses (12 Hours)

CTE 865 - Evaluation in Technical Education. (3 semester hours) Strategies and methods for evaluation in technical education; identification and analysis of context, input process and outcomes; preparations, use and analysis measuring instruments.

CTE 888 - Occupational Information. (3 semester hours) Occupational information associated with careers to include: Types of work performed, qualifications and preparation required, the type of organizations where employment is available, work conditions, annual earnings and employment outlook.

EPY 869 - Research in Education. (3 semester hours) Fundamental principles of educational research. Required all candidates for the Master of Arts in Education degree who do not prepare a thesis. Should be taken early in the graduate program.

TEC 830 - Creative Problem Solving. (3 semester hours) A review and analysis of basic and applied research in the development of creative behavior with emphasis on its application to teaching and problem solving in an occupational setting. Students will be expected to complete a term project showing their creative abilities.

Technology Teaching (12 Hours)

CTE 863 - Organization and Administration of Career and Technical Education. (3 semester hours) Organization of technical education on the local, state and national level; federal legislation in technical education; federal state relationships; types of vocational technical education programs and schools.

CTE 864 - Technical Education Facility Planning. (3 semester hours) Principles and practices underlying the planning and designing of laboratories for industrial and technical education. Students are required to design a multi-laboratory facility which complies with existing safety and health laws.

TEC 831 – Applied Problem Solving. (3 semester hours) Prerequisite: TEC 830. Students will strengthen problem solving through the completion of an independent project. Students will propose a process and produce a finished project. Documentation of the process will be used as a foundation for evaluation.

TEC 867 – Research in Technology. (3 semester hours) Independent research in technology supervised by the graduate advisor and other staff members. Topic must be approved before registration. May be retaken to a maximum of six hours.

Supporting Work (6 Hours) Selected from:

EAD 827 - Finance and Support Services in Schools. (3 semester hours) Prerequisite: EAD 801 or advisor and instructor approval. Study of financing of and support services within individual school in

Kentucky and the United States. Special emphasis will be placed upon site-based decision-making concepts as they relate to finance and support services.

EAD 828 - School Law and Ethics in School Leadership. (3 semester hours) I, II. Prerequisite EAD 801 and EMS 850 or advisor and instructor approval. The study of the issues and opportunities that surround educational leaders, professional staff, support staff, students, and communities, as they relate to collaborative efforts regarding quality and equity in development world class schools.

EDF 855 - Foundations of Multicultural Education. (3 semester hours) Examination of the education implications of cultural pluralism in America and selected societies of the world.

EMS 880 - Organization and Supervision of Student Teaching. (3 semester hours) Prerequisite: teaching experience. For school and college personnel concerned with improving student teaching experiences.

ESE 872 - Curriculum Practices and Trends in Industrial Education. (3 semester hours) Current concepts and trends in industrial education; principles underlying curriculum construction and development; long range planning for improvement of programs.

Master of Science/Technology Education Program

Course Planning

Many of the courses for the Technology Education program have been developed as "EKU Internet assisted courses" providing graduate-level technical/teacher education courses delivered on the internet. Materials distributed during these courses are made available on the internet using "Blackboard" software that serves as the educational information interchange medium. This easy-to-use software allows class lessons to be printed and reviewed prior to online sessions. Online time for the class is typically one evening per week. EKU Internet assisted courses are intended primarily for technical teachers and others in our programs at locations distant from EKU's campus. The organization of courses allows the instruction to be offered primarily through the internet, typically with three scheduled meetings on-campus: (1) Orientation at the beginning of the semester; (2) Mid-term; and (3) end of semester. Some courses vary from this format. The flexibility offered by the internet has been an effective method to utilize as we perfect alternative delivery of instruction.

The tentative graduate course delivery for the Technical Education Administration program is as follows:

- 1) TEC 830 - Creative Problem Solving (offered online spring semesters)
- 2) CTE 865 - Evaluation in Technical Education (online spring semesters)
- 3) CTE 861 - Supervision of Career and Technical Education (online fall semesters)
- 4) CTE 864 - Facilities Planning for Technical Education (online fall semesters)
- 5) CTE 863 - Organization and Administration in Technical Education (online spring semesters)
- 6) CTE 888 - Occupational Information-offered each summer (July) during the afternoon as a short term workshop on campus.
- 7) TEC 831- Applied Problem Solving (Independent Study Course)
- 8) TEC 867- Research in Technology (Independent Study Course)
- 9) EPY 869 - Educational Research-offered fall, spring and summer-Internet, extended campus sites (Corbin, Manchester, Danville) and EKU pm
- 10) Supporting Courses - EAD 827, EAD 828-Offered by KTLN (two-way video) at EKU extended campus sites, (Corbin, Danville, Manchester), and EKU pm. (fall, spring, summer); EDF 855, EMS 880, and ESE 872 are offered by the EKU College of Education at various times.

Program Advisor:

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Planning Sheet

Program: Career and Technical Education

You can use this sheet to plan your program coursework.

Fall_____	Spring_____	Summer_____
_____	_____	_____
_____	_____	_____
Fall_____	Spring_____	Summer_____
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Fall_____	Spring_____	Summer_____
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Fall_____	Spring_____	Summer_____
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Fall_____	Spring_____	Summer_____
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To Register: WWW.EKU.EDU - “Registration”
Class Schedule and Section # (5 digit) – “Course Schedule Book”
RAC # - Call Steve Fardo (859-622-1184 or Sandy Taylor 859-622-1180)

Tuition Waiver: Be sure to fax a copy to Sandy Taylor **after** you register (859-622-2357)