



UNIVERSITY OF
**CENTRAL
MISSOURI**

LEARNING TO A GREATER DEGREE

Bachelor of Science in **Technology Management** 2+2



This collegiate program prepares individuals for a professional career in industry. The program builds upon technical courses (required) for an associate degree in the field of applied science and technology. Thirty-eight semester hours of the degree transferred should apply toward the major and the remainder towards general education requirements for a four-year degree.

The Technology Management 2+2 program curriculum concentrates on technical management courses that include current issues in industry, legal aspects, organizational dynamics, quality systems engineering, safety concerns, technical writing and team problem solving.

In addition to these studies, the transfer student will also need to complete additional general education courses, which can be taken at any accredited two-year or four-year college or university, as long as they are equivalent to UCM's courses. Currently, we have program options in Manufacturing Engineering Technology, Management, Construction, Networking, Quality Systems, Virtual Media and General Technology.

SCHOOL OF TECHNOLOGY

TECHNOLOGY MANAGEMENT 2+2

www.ucmo.edu/techtransfer

Program Coordinator - Dr. Jeff Ulmer

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TECHNOLOGY MANAGEMENT 2+2 Bachelor of Science Degree
(This “transfer program” is designed to build upon an Associates Degree)

MAJOR REQUIREMENTS..... 78

Associate Degree Technology Courses (transferred in) 38

A technology-related Associate in Applied Science or Associate in Science degree from an accredited community college or technical institute in a field of study related to the School of Technology will be accepted (Associate of Arts degrees are accepted with individualized course evaluations). Thirty-eight semester hours of the degree transferred should apply toward the major, and the remainder toward General Education. The General Education requirements transferred must be *equivalent to UCM requirements. NOTE: *All core courses are offered online.*

CORE 24

- CTE 3116 Creative Problem Solving.....3
- ENGT 4580 Quality Systems Engineering.....3
(Reference Option 5 for certificate information)
- INDM 4010 Current Issues in Industry.....3
- INDM 4015 Legal Aspects of Industry.....3
- INDM 4210 Industrial Management3
- INDM 4250 Project Management.....3
- INDM 4260 Organizational Dynamics3
- TECH 4950 Seminar in Technology Mgmt.....3

ELECTIVES from one of the following options..... 16

Option 1: Management

- SOT 3022 Internship in Technology3
- INDM 4220 Human Factors Engineering.....3
- INDM 4230 Lean and Quality Management.....3
- INDM 4240 Facilities Engineering3
- Departmentally Approved Electives.....4

Option 2: Construction

- **CMGT3320 Prin. of Construction Management3
- **CMGT3330 Building Codes & Code Admin3
- **CMGT4310 Construction Safety3
- SOT 3022 Internship in Technology3
- Departmentally Approved Electives4

Option 3: Networking

- **NET 3062 Network Design3
- **NET 4060 Advanced Routing3
- NET 4062 Advanced Switching3
- NET 4064 Advanced Network Design.....3
- NET 4100 Network Device Configuration3
- SOT 3022 Internship in Technology1

FREE ELECTIVES..... 3

GENERAL EDUCATION REQUIREMENTS..... 39

Associate in Applied Science or Associate in Science Degree General Education Courses transferred (if *equivalent)24-27

General Education Courses Remaining (based on 15-18 General Education *equivalent courses transferred in)

- MATH 1111 Div. I C (required)3
- PHYS 1104 Div. II A (required)4
- BTE 1210 Div. II A (required)2
- CTE 3060 Technical Writing.....3
- ECON 1010 Div. II B (required).....3

MINIMUM TOTAL.....120

*Go to www.ucmo.edu/coreequiv for course equivalencies

*This guideline is only an indicator of the courses required for program completion.
Change will occur and students must see an academic advisor for the latest information.*

Major 895 F/17

Option 4: Manufacturing Engineering Technology

- ENGT 3520 Engineering Economy3
- ENGT 3530 Inspection & Quality Control.....3
- ENGT 3562 Comp. Numerical Control (CNC).....3
- ENGT 4520 Robotics and Automation3
- ENGT 4590 Cpmouter Integrated Mfg (CIM)3
- Departmentally Approved Electives1

Option 5: Quality Systems

- **ENGT2600 Lean Enterprises.....3
- **ENGT3520 Engineering Economy3
- **ENGT3530 Inspection & Quality Control.....3
- **ENGT4570 Lean Six Sigma3
- Departmentally Approved Electives.....4

**Five courses are required for the “Applied Lean Six Sigma Quality” certificate (15 credit hours; it also includes the ENGT 4580 course listed in the Core).

Option 6: Virtual Media

- COMM 4250 The Law & Digital Media.....3
- COMM 4475 New Media Technologies3
- ESE 3710 Entrepreneurial Business Planning.....3
- SOT 3022 Internship in Technology1-3
- SOT 4570 Computer Graphics3
- Departmentally Approved Electives.....3

Option 7: General Technology

The student, working with a faculty advisor, will select a minimum of 16 sem. hours of upper level (3000/4000) course work from program areas in the School of Technology.