



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

03/23/2023

Institution

Ozarks Technical Community College

Site Information

Implementation Date:

8/1/2023 12:00:00 AM

Added Site(s):

Selected Site(s):

Lebanon Education Center, 22360 Highway MM, Lebanon, MO, 65536

Ozarks Technical Community College, 1001 E. Chestnut Expressway, Springfield, MO, 65802

Richwood Valley Campus, 3369 W. Jackson, Nixa, MO, 65714

Table Rock Campus, 10698 Historic Highway 165, Hollister, MO, 65672

Waynesville Education Center, 600 GW Lane Street, Waynesville, MO, 65583

CIP Information

CIP Code:

150612

CIP Description:

A program that prepares individuals to apply basic engineering principles and technical skills in support of industrial engineers and managers. Includes instruction in optimization theory, human factors, organizational behavior, industrial processes, industrial planning procedures, computer applications, and report and presentation preparation.

CIP Program Title:

Industrial Technology/Technician

Institution Program Title:

Technical Management

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate in Applied Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom



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Hybrid

Online

Student Preparation

Special Admissions Procedure or Student Qualifications required:
No special preparation required.

Specific Population Characteristics to be served:
n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:
Depending upon the discipline, full time faculty will need either an Associates Degree or Master's degree with 18 graduate hours of related coursework from a regionally accredited institution, determined by which subject the faculty member is teaching. In some programs, 5 years of industry experience is required.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:
It is estimated 65% of credit hours will be taught by full time faculty.

Expectations for professional activities, special student contact, teaching/learning innovation:
Faculty members are required to document at least 20 hours of professional development on an annual basis. Additional expectations for professional activities, special student contact, and teaching/learning innovation will vary based upon the subject being taught.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 13	Part Time: 15	
Year 2	Full Time: 21	Part Time: 25	
Year 3	Full Time: 25	Part Time: 30	Number of Graduates: 25
Year 4	Full Time: 28	Part Time: 31	
Year 1	Full Time: 13	Part Time: 15	
Year 2	Full Time: 21	Part Time: 25	
Year 3	Full Time: 25	Part Time: 30	Number of Graduates: 25
Year 4	Full Time: 28	Part Time: 31	
Year 1	Full Time: 13	Part Time: 15	
Year 2	Full Time: 21	Part Time: 25	
Year 3	Full Time: 25	Part Time: 30	Number of Graduates: 25
Year 4	Full Time: 28	Part Time: 31	



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Year 1	Full Time: 13	Part Time: 15	
Year 2	Full Time: 21	Part Time: 25	
Year 3	Full Time: 25	Part Time: 30	Number of Graduates: 25
Year 4	Full Time: 28	Part Time: 31	
Year 1	Full Time: 13	Part Time: 15	
Year 2	Full Time: 21	Part Time: 25	
Year 3	Full Time: 25	Part Time: 30	Number of Graduates: 25
Year 4	Full Time: 28	Part Time: 31	
Year 5	Full Time: 33	Part Time: 35	Number of Graduates: 84

Percentage Statement:

95.00

Program Accreditation

Institutional Plans for Accreditation:

This is a generalized degree to allow students to advance in their chosen field of employment. There have not been any applicable accreditation opportunities discovered that fit this program. There are no plans to seek specialized accreditation at this time. As an associate in applied science degree, current regional accreditation provides adequate credentials for this degree.

Program Structure

Total Credits:

60

Residency Requirements:

15

General Education Total Credits:

15

Major Requirements Total Credits:

45

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
CIS 101	3	Technology & Digital Literacy
BUS and ACC Electives	9	
TEC 250	3	Leadership in Industry
Technical Electives	27	
CIS 201	3	Computer Apps for Business



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Free Elective Credits:

0

Internship or other Capstone Experience:

Internship requirements recommend 30 credit hours or more in specific coursework are offered in all disciplines. These courses can be taken as a Technical Elective.

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

First and Last Name: RENEE
GRAVES

Email: gravesr@otc.edu

Phone: 417-447-8115

Student ID: _____
Student Name: _____
Navigator Name: _____

Catalog: 2023-2024 Academic Catalog and Student Handbook
Program: Technical Management (A.A.S.)

Technical Management (A.A.S.)

A.A.S. Degree: 60 Hours

OTC's Associate of Applied Science (AAS) in Technical Management enables you to complement prior work or educational experience with managerial coursework and the upskilling needed for job advancement. A combination of business, management and leadership courses provide you with the instruction needed to be successful within a technical workforce environment.

Technical Management Program Requirements - 45 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
<ul style="list-style-type: none"> Program Credits: 27 27 credit hours must be taken from the discipline areas below and must be from at least two or more discipline areas. Choose courses from the following: ABR, ACC, AGR, ARO, AUM, AVI, BUS, CIS, CST, CUL, CYB, DSL, DDT, ECD, EDS, ELC, EMDP, FST, HRA, HRM, ITI, MFG, MEC, PMT, REM, WLD				
CIS-101 Technology & Digital Literacy <i>Prerequisite(s):</i> Keyboarding skill of 25 WPM or BUS 101 or CIS 100 recommended.	Credits: 3			
CIS-201 Computer Apps for Business <i>Prerequisite(s):</i> CIS 101	Credits: 3			
TEC-250 Leadership in Industry	Credits: 3			
<ul style="list-style-type: none"> BUS or ACC Electives - 9 credits Recommended classes are ACC 120 or ACC 220, BUS 150, and BUS 200				

General Education Requirements - 15 Credit Hours

CORE 42 is a statewide general education course of study intended to ensure that all graduates possess a common core of college-level skills and knowledge. CORE 42 specifies the basic competencies and knowledge areas that all students completing degrees at a Missouri public institution of higher education must complete. CORE 42 is comprised of dozens of courses distributed across five knowledge areas. These courses are designated with a Missouri Transfer (MOTR) course number, which guarantees the one-to-one transfer of these courses among all Missouri public institutions of higher education. Please refer to MDHE Core Transfer Curriculum for detailed information on CORE 42 courses.

All knowledge areas below, designated with the CORE 42 logo, indicate all courses in that area have been evaluated and provided a MOTR number for transfer to all Missouri public institutions of higher education.

Mathematical Sciences - 3 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
TEC-108 Applied Technical Mathematics	Credits: 3			
MTH-105 Business Math	Credits: 3			
MTH-110 Intermediate Algebra	Credits: 4			
MTH-128 Contemporary Mathematics	Credits: 3			
MTH-128S Cont Mathematics with Support	Credits: 4			
MTH-130 College Algebra	Credits: 3			
MTH-130S College Algebra With Support	Credits: 4			
MTH-131 Trigonometry <i>Prerequisite(s):</i> Grade of "C" or better in MTH 130 or satisfactory score on the ACT.	Credits: 3			
MTH-138 Pre-Calculus Mathematics <i>Prerequisite(s):</i> Grade of "B" or better in MTH 110 or satisfactory score on the ACT.	Credits: 5			
MTH-140 Analytic Geometry and Calculus I <i>Prerequisite(s):</i> Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 5			
MTH-141 Analytic Geometry and Calculus II <i>Prerequisite(s):</i> Grade of "C" or better in MTH 140.	Credits: 5			
MTH-210 Statistical Methods	Credits: 3			

<i>Prerequisite(s)</i> : Grade of "C" or better in MTH 128 or MTH 130 or satisfactory score on the ACT.				
MTH-214 Discrete Mathematics <i>Prerequisite(s)</i> : Grade of "C" or better in MTH 131 or MTH 138 or satisfactory score on the ACT.	Credits: 3			
MTH-215 Algebraic Structures <i>Prerequisite(s)</i> : Grade of "C" or better in MTH 140.	Credits: 3			
MTH-230 Linear Algebra <i>Prerequisite(s)</i> : Grade of "C" or better in MTH 141.	Credits: 3			
MTH-240 Analytic Geometry and Calculus III <i>Prerequisite(s)</i> : Grade of "C" or better in MTH 141.	Credits: 3			
MTH-241 Differential Equations <i>Prerequisite(s)</i> : Grade of "C" or better in MTH 240.	Credits: 3			

Written Communications - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
ENG-100 Composition I With Support or	Credits: 5			
ENG-101 Composition I	Credits: 3			

Oral/Written Communications - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
COM-100 Introduction to Communication	Credits: 3			
COM-105 Public Speaking	Credits: 3			
COM-200 Interpersonal Communication <i>Prerequisite(s)</i> : Grade of "C" or better in ENG 100 or ENG 101.	Credits: 3			
ENG-150 Technical Writing <i>Prerequisite(s)</i> : ENG 100 or ENG 101.	Credits: 3			

Social and Behavioral Sciences - 3 Credit Hours



Course Name	Credits:	Semester Completed	Grade	CORE 42
HST-120 U.S. History I: to 1865	Credits: 3			
HST-130 U.S. History II: 1865-Present	Credits: 3			
PLS-101 American Government and Politics	Credits: 3			

Program Specific Requirements - 3 Credit Hours

Course Name	Credits:	Semester Completed	Grade	CORE 42
PSY-255 Psychology of Work Behavior or	Credits: 3			
PHL-105 Introduction to Ethics	Credits: 3			

Notes: