

Manufacturing Technology# - Advanced Manufacturing Emphasis

Associate in Applied Science

Minimum of 63 Credits

This program is designed to provide students with the skills, training and education necessary to enter into the workforce upon completion of the program. The program is offered through cooperative alliances with Francis Tuttle and Moore Norman Technology Centers.*** Major courses in this degree are not available on the main campus of Oklahoma City Community College. All major courses are taught at Francis Tuttle or Moore Norman Technology Center. The Manufacturing Technology Program is designed to allow students to develop the skills and abilities needed to work at the technician level in any manufacturing operation nationwide. In addition to hands-on experiences, the student will gain a general knowledge of manufacturing in areas such as job analysis, standard procedures, quality control, and high technology. In the Advanced Manufacturing emphasis, students will become skilled in electronics, installing, servicing, troubleshooting and maintaining advanced manufacturing cells.

Course ID	Course Name	Credits	Type	Prerequisites
Suggested Freshman 1st Semester				
SCL 1001	SUCCESS IN COLLEGE AND LIFE	1	LIFE SKILLS	NONE
MATH1	MATHEMATICS THAT MEET OCCC'S MATHEMATICS PROFICIENCY	3	SUPPORT	
ENGL 1113	ENGLISH COMPOSITION I	3	GEN ED	(R) (W), ADEQUATE READING AND WRITING ASSESSMENT SCORES OR LS 0033 COLLEGE WRITING II, EITHER TAKEN WITHIN THE LAST YEAR, WITH STRONG ENCOURAGEMENT FOR IMMEDIATE CONTINUATION.
ET 1144	INDUSTRIAL ELECTRONICS	4	MAJOR	(R) (W) (M)
ET 2032	INDUSTRIAL ELECTRICITY	2	MAJOR	(R) (W) (M)
PRDT 1223	INTRODUCTION TO COMPUTER INTEGRATED MANUFACTURING	3	MAJOR	(R) (W) (M)
Freshman 2nd Semester				
GEN ED	* GEN ED ELECTIVE	3	GEN ED	
PRDT 1233	MECHANICAL SYSTEMS	3	MAJOR	(R) (W) (M)
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	GEN ED	(R) (W)
ET 2044	ELECTROMECHANICAL DEVICES	4	MAJOR	(R) (W) (M), ET 1144
PRDT 1534	PROGRAMMABLE CONTROLLER PROGRAMMING	4	MAJOR	(R) (W) (M)
Sophomore 1st Semester				
SUPP	** GUIDED SUPPORT ELECTIVE	4	SUPPORT	
GEN ED	GEN ED ELECTIVE	3	GEN ED	
HIST 1483	U.S. HISTORY TO THE CIVIL WAR —OR—		GEN ED	(R) (W)
HIST 1493	U.S. HISTORY SINCE THE CIVIL WAR	3	GEN ED	(R) (W)
PRDT 1413	FLUID POWER	3	MAJOR	(R) (W) (M)
PRDT 1542	PROGRAMMABLE CONTROLLER INTERFACING	2	MAJOR	(R) (W) (M) PRDT 1534
Sophomore 2nd Semester				
SUPP	** GUIDED SUPPORT ELECTIVE	8	SUPPORT	
OSRHE1	OSRHE APPROVED GENERAL EDUCATION COMMUNICATIONS OR ENGLISH COURSE*	3	GEN ED	
PRDT 2544	COMPUTER INTEGRATED MANUFACTURING	4	MAJOR	(R) (W) (M) PRDT 1223

Major Courses: (29 credit hours) Electronics: ET 1144; ET 2032; ET 2044; Manufacturing Technology: PRDT 1223; PRDT 1233; PRDT 1413; PRDT 1534; PRDT 1542; PRDT 2544

General Education Courses: (18 credit hours) English: ENGL 1113; Any Oklahoma State Regents for Higher Education approved general education English or communications course.*; History: HIST 1483 or HIST 1493; Political Science: POLSC 1113; General Education Electives: Six credit hours of general education electives

Life Skills Courses: (1 credit hour) Life Skills: SCL 1001

Support Courses: (15 credit hours) Three credit hours of mathematics that meets OCCC's mathematics proficiency requirements: **Support Electives: Twelve credit hours of support electives

Notes: This technical/occupational program is designed to prepare students to enter the job force following completion. See Technical/Occupational Programs in the general information section of the catalog. Major courses are available only at Francis Tuttle and Moore Norman Technology Center.

* To be chosen from ENGL 1213, ENGL 1233, COM 1123, or COM 2213

** Support electives should be chosen from courses with the following prefixes: ET; CS; MET; PRDT; PHYS; CAD or MATH

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*** Students must file all financial aid through the technology center while attending there.