

Manufacturing Technology# - Precision Machining Emphasis

Associate in Applied Science

Minimum of 62 Credits

This program is designed to provide the student with the necessary skills, training and education to enter 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 and Moore Norman Technology Centers. 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. The Precision Machining emphasis prepares students for careers in machine operations such as milling, precision grinding, setup and programming, production operations, milling, routing, tool making and job planning.

Course ID	Course Name	Credits	Type	Prerequisites
Suggested Freshman 1st Semester				
SCL 1001	SUCCESS IN COLLEGE AND LIFE	1	LIFE SKILLS	NONE
MET 1021	ORIENTATION TO MACHINING	1	SUPPORT	NONE
MET 1013	MACHINE TOOL THEORY	3	MAJOR	NONE
MET 1112	PRECISION MEASUREMENT	2	MAJOR	NONE
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.
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)
MET 1232	PRINT READING	2	MAJOR	(R) (W) MET 1021
Freshman 2nd Semester				
MET 1423	INTRODUCTION TO MILLING OPERATIONS	3	MAJOR	(R) (W) AND MET 1013
MET 1424	MILLING OPERATIONS	4	MAJOR	(R), (W) AND MET 1013
GEN ED	GEN ED ELECTIVE	3	GEN ED	
MATH1	MATHEMATICS THAT MEET OCCC'S MATHEMATICS PROFICIENCY	3	SUPPORT	
SUPP	GUIDED SUPPORT ELECTIVE	4	SUPPORT	
Sophomore 1st Semester				
MET 1433	INTRODUCTION TO ENGINE LATHE OPERATIONS	3	MAJOR	(R) (W) AND MET 1013
MET 1434	ENGINE LATHE OPERATIONS	4	MAJOR	(R), (W) AND MET 1013
MAJOR	MAJOR ELECTIVE	3	MAJOR	
POLSC 1113	AMERICAN FEDERAL GOVERNMENT	3	GEN ED	(R) (W)
GEN ED	GEN ED ELECTIVE	3	GEN ED	
Sophomore 2nd Semester				
MAJOR	MAJOR ELECTIVE	3	MAJOR	
MAJOR	MAJOR ELECTIVE	4	MAJOR	
OSRHE1	OSRHE APPROVED GENERAL EDUCATION COMMUNICATIONS OR ENGLISH COURSE*	3	GEN ED	
SUPP	GUIDED SUPPORT ELECTIVE	4	SUPPORT	

Major Courses: (32 credit hours) MET 1021; MET 1013; MET 1112; MET 1232; MET 1423; MET 1424; MET 1433; MET 1434; ten (10) credit hours of major electives

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

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

Support Courses: (11 credit hours) Three credit hours of mathematics that meets OCCC's mathematics proficiency requirements; Support Electives: Eight 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 beginning with MET are available only at Francis Tuttle and Moore Norman Technology Center. Admission to the technology center and OCCC must be met in order to be eligible for the credit through OCCC.

This program is offered through a cooperative alliance established with Francis Tuttle and Moore Norman Technology Centers.

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