



South Central College Program Design

DIP3519/2454 Machine Tool Technology Foundation Diploma

Program Information

Instructional Level Technical Diploma

Career Cluster Engineering, Manufacturing & Technology

Description

The Machine Tool Technology foundation diploma consists of both the Right Skills Now and Manufacturing Production Technology Certificate. Both these entry level certificates give the students the foundational skills for a broadened manufacturing career pathway. During this diploma, learners will have the opportunity to receive national credentials from the National Institute for Metalworking Skills (NIMS) and the Manufacturing Skill Standards Council (MSSC)

Program Configurations

Semester 1 Fall-2018

Credits

Technical Course 31

Total Credits 31

Semester 1

Course #	Course Title	Credits	Function
MTT 1110	CNC Milling Level I	5	Technical Course
MTT 1120	CNC Turning Level I	5	Technical Course
MTT 1130	Job Planning, Benchwork and Layout Level I	3	Technical Course
MTT 1140	Measurement, Materials, and Safety Level I	3	Technical Course
CMAE 1528	Career Success Skills	1	

Semester 2 Spring

Course #	Course Title	Credits	Function
CMAE 1510	Print Reading	2	Technical Course
CMAE 1514	Safety Awareness	2	Technical Course

CMAE 1518	Manufacturing Process and Production	2	Technical Course
CMAE 1522	Quality Practices	2	Technical Course
CMAE 1526	Maintenance Awareness	2	Technical Course
MATH 1050	Mathematics for Technical Careers	3	Technical Course
OTEC 1001	Computer Software for College	2	Technical Course
CMAE 1528	Career Success Skills		Technical Course

Program Course List

Number	Title	Credits	Pre/Corequisites
CMAE 1510	Print Reading	2	None
CMAE 1514	Safety Awareness	2	None
CMAE 1518	Manufacturing Process and Production	2	None
CMAE 1522	Quality Practices	2	None
CMAE 1526	Maintenance Awareness	2	None
CMAE 1528	Career Success Skills	1	None
MATH 1050	Mathematics for Technical Careers	3	A score of at least 56 on the Arithmetic portion of the Accuplacer test.
MTT 1110	CNC Milling Level I	5	Declare MTT as a major.
MTT 1120	CNC Turning Level I	5	Declare MTT as a major.
MTT 1130	Job Planning, Benchwork and Layout Level I	3	Declare MTT as a major.
MTT 1140	Measurement, Materials and Safety Level I	3	Declare MTT as a major.
OTEC 1001	Computer Software for College	2	None