



Schedule

Moore Tech operates 11 months of the year. Each school year is divided into three terms of approximately 14 weeks each.

FALL TERM – Normally the first of September until the middle of December.

WINTER TERM – Normally the first of January until the middle of April.

SPRING TERM – Normally the middle of April until the end of July.

Day classes begin at 9:00 a.m. and continue until 3:30 p.m. Monday through Friday. The normal time required to complete the daytime diploma program is two years, or 2400 clock hours for a full-time student. Please see the Associate Degree brochure for details on how to receive a degree in this program.

Night Classes begin at 6:30 p.m. and continue until 9:30 p.m. two nights per week. The normal time required to complete a night certificate program in Machining Technology is two years, or 504 clock hours.

Moore Tech offers associate degrees, diplomas and/or certificates in

- Air Conditioning, Refrigeration, & Heating
- Industrial Electricity & Plant Maintenance
- Maintenance Technology/Property Maintenance
- Machining Technology
- Plumbing
- Welding

Financial aid is available to qualified applicants in day programs.



Non-Profit – Established 1939
Governed by a volunteer board of trustees
For further information
call 901-726-1977
or visit us at mooretech.org



MOORE TECH

Machining Technology

American manufacturing is back

Manufacturing is returning to America, and U.S. manufacturers have an immediate need for qualified machinists. Machinists who can “read” and use blueprints. Who are skilled with hand tools and manual machines, and who have mastered new, computerized CNC machines. All this knowledge and these skills are needed to make new and replacement metal parts for virtually all manufacturing, and for construction and medical devices.

Moore Tech Curriculum

Our Machine Shop technology courses provide the knowledge and hands-on experience necessary for students to become precision machinists. Students devote the first year to learning the accurate use of blueprints and the proper use of hand tools and manual machines. Once the basic, fundamental knowledge and manual skills have been acquired, students understand how to make metal parts manually. Year Two is spent learning how to make metal parts using computerized, programmable, CNC machines. The final course, Precision Medical Machining, familiarizes the student with the skills, documentation and requirements needed by the medical machining industry that employs thousands in Greater Memphis. Machining Technology students should possess neat personal habits, sound work habits and be able to understand mathematics and blueprints.

Mission Statement

Moore Tech’s mission is to provide a student with a working knowledge of all critical aspects of becoming a skilled machinist and the classroom and laboratory experience to instill the self-confidence needed for successful employment as a machinist.

Notice of Non-Discrimination

Moore Tech accepts qualified applicants with a high school diploma or GED without regard to race, age, gender or religion.



Moore Tech is a charter member of the Council on Occupational Education.

Machine Shop Day Program

COURSE	DESCRIPTION	CLOCK HOURS
FIRST YEAR		
First Term		
BMT-111	Basic Machining Technology	200
	<i>*Elective</i>	200
Second Term		200
MSP-112	Machine Shop Practice	200
	<i>*Elective</i>	
Third Term		200
MM-113	Machining Metals	200
	<i>*Elective</i>	
SECOND YEAR		
First Term		
CNC-211	CNC Lathe	200
	<i>*Elective</i>	200
Second Term		200
CNC-212	CNC Milling	200
	<i>*Elective</i>	
Third Term		200
PMM-213	Precision Medical Machining	200
	<i>*Elective</i>	
Total Clock Hours		2400

*Students may select electives from any other 200-clock-hour, technical course offered by Moore Tech.

Note: The Night Program does not require electives, and the courses have fewer hours.

Course Descriptions

Basic Machining Technology (BMT-111)

Students are introduced to all basic hand tools and their uses, manual lathes, grinders, drill presses, saws and measuring instruments.

Machine Shop Practice (MSP-112)

BMT-111 or equivalent is required to enroll. This course emphasizes the application and skill to use machines and tools required for project work. Continue study of added tools such as horizontal and vertical milling machines, surface grinding and others.

Machining Metals I (MM-113)

MSP-112 or equivalent is required to enroll. Students are introduced to machine shop theory and procedures which provide information and practice in using basic machine tools and selecting the tools and materials required for more advanced cutting and finishing operations.

CNC Lathe (CNC-211)

Students will learn to use CNC Lathes in order to cut and finish work according to blueprint or written specifications and according to National Institute for Metalworking Skills (NIMS) standards.

CNC Milling (CNC-212)

Students will learn to use CNC Milling Machines in order to cut and finish work according to blueprint or written specifications and National Institute of Metalworking Skills (NIMS) standards.

Precision Medical Machining (PMM-213)

Students will be exposed to the general operations, documentation and procedures in a medical machine shop environment and the precision requirements therein.