



## Precision Machine & Manufacturing

Accelerated Career offers qualified students an alternate path to high school graduation. Students choose to simultaneously earn a high school diploma and a college Associate Degree, or a Technical Diploma, or two (2) Technical Certificates of Credit in a specific career pathway. The dual enrollment funding program cap of 30 credit hours applies.

Accelerated Career >>>

### Complete all required high school courses:

- 2 English: American Literature & Another
- 2 Math: Algebra 1 & Another
- 2 Science: Biology & Another
- 2 Social Studies:
- 1 Health/PE

\*All required Milestone/EOC Exams

### Precision Machine & Manufacturing

#### Two Technical Certificates of Credit

- Basic Machine Operator (BM01)
- + • Choose one of the following:
  - Mill Operator (MP11)
  - Lathe Operator (LP11)

Locations: Macon | Warner Robins

Total Credit Hours: 26 hours between required TCCs

Total Semesters Needed: 2-3

### Basic Machine Operator (BM01)

Prepares students for entry-level machine shop employment by providing the knowledge and skills in basic machining operations. Instruction is provided in blueprint reading, lathe, mill, and surface grinder operation, mathematical functions, and an introduction to the machine tool industry.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
MCHT 1011	None	Introduction to Machine Tool	1	Fall, Spring, Sum	4
MCHT 1012	None	Print Reading for Machine Tool	1	Summer	3
MCHT 1013	None	Machine Tool Math	1	Summer	3
MCHT 1119	None	Lathe Operations I	2	Fall	4
MCHT 1120	None	Mill Operations I	2	Fall	4
MCHT 1020	None	Heat Treatment & Surface Grinding	3	Spring	4
<b>Total Hours:</b>					22

### Mill Operator (MP11)

Teaches students to effectively operate milling machinery. Students become proficient in blueprint reading, general mathematical operations, and are provided the necessary knowledge and skills to obtain employment as a milling machinist.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
MCHT 1011	None	Introduction to Machine Tool	1	Fall, Spring, Sum	4
MCHT 1012	None	Print Reading for Machine Tool	2	Summer	3
MCHT 1120	None	Mill Operations I	2	Fall	4
MCHT 1220	MCHT 1120	Mill Operations II	3	Spring	4
<b>Total Hours:</b>					15

OR

### Lathe Operator (LP11)

Prepares students to use lathes, lathe set up, and lathe tool grinding. Emphasis is placed on cutting threads, boring holes to precise measurements, and cutting tapers. Topics include an introduction to machine tool technology, blueprint reading for machine tool, and basic and advanced lathe operations.

Course #	Pre/Co. Req.	Course Requirements (In suggested sequence)	Seq.	Term Offered*	Credit Hours
MCHT 1011	None	Introduction to Machine Tool	1	Fall, Spring, Sum	4
MCHT 1012	None	Print Reading for Machine Tool	1	Summer	3
MCHT 1119	None	Lathe Operations I	2	Fall	4
MCHT 1219	Co: MCHT 1119	Lathe Operations II	3	Spring	4
<b>Total Hours:</b>					15

