

**Advanced Manufacturing - Jonesboro**  
**Certificate of Proficiency – CNC Operator (15 credits)**  
**Technical Certificate – Advanced Manufacturing (30 credits)**

**PROGRAM DESCRIPTION** – This program prepares students to enter the workforce as a CNC Machine Operator.

**PROGRAM REQUIREMENTS:**

First Semester				
COURSE ID	COURSE NAME	COLLEGE CREDIT HOURS		HS HOURS
MSTE 10143	Materials, Measurements, and Safety	3		1
MSTE 14264	CAD/CAM	4		1
<b>TOTAL HOURS</b>		<b>7</b>		<b>2</b>
Second Semester				
MATH 10133	Mathematical Applications or higher-level Math	3		1
MSTE 14564	Advanced CAD/CAM	4		1
<b>TOTAL HOURS</b>		<b>7</b>		<b>2</b>
Third Semester				
MSTE 11544	CNC Turning	4		1
MSTE 13544	CNC Milling	4		1
<b>TOTAL HOURS</b>		<b>8</b>		<b>2</b>
Fourth Semester				
MSTE 14054	Job Planning, Benchwork, and Layout	4		1
ENGL 20203	Workplace Essentials or higher-level English	3		1
<b>TOTAL HOURS</b>		<b>7</b>		<b>2</b>
Fifth & Sixth Semesters				
MSTE 10304	Design for Manufacturing	3		1
MSTE 10903	Manufacturing Engineering, Design and Problem Solving	3		1
<b>TOTAL HOURS</b>		<b>6</b>		<b>2</b>