

**Computer, Engineering/Manufacturing Industrial Technologies**

Curriculum Code: 1354 (Effective Fall 2017 – Summer 2022)		<b>Manufacturing Engineering Technology C.A. Pathway</b>	
<b>Semester I</b>	<b>Course Title</b>	<b>Prerequisites</b>	<b>Credit/ Billing Hours</b>
<b>Program of Study Requirements</b>			
METD 105	PC Applications for Technology	None	3 / 4
METD 110	Mechanical CAD Drafting I	Minimum 2.0 in (METD 100 or Mechanical Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
METD 130	Geometric Dimension/Tolerance	Minimum 2.0 in (METD 100 or Mechanical Drafting Placement Test 80%) and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
METM 108	Machine Tool Operations	Minimum 2.0 in (METD 100 or METD 150 or Drafting Placement Test 80%) and Reading Level 3 and Writing Level 4 and Math Level 4	4 / 6
<b>Credits</b>			<b>15 / 22</b>

Semester II	Course Title	Prerequisites	Credit/ Billing Hours
<b>Program of Study Requirements</b>			
METD 220	Basic Unigraphics/NX	Minimum 2.0 in METD 110 and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
METM 100	Manufacturing Processes	Reading Level 3 and Writing Level 4	3 / 4.5
METM 220	Basic Mastercam	Minimum 2.0 in (METM 108 or METM 110 and Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
METS 115	Intro to Mechanical Systems	Reading Level 4 and Writing Level 4 and Math Level 4	4 / 6
<b>Credits</b>			<b>15 / 22.5</b>
Semester III	Course Title	Prerequisites	Credit/ Billing Hours
<b>Program of Study Requirements</b>			
METM 190	Metallurgy and Heat Treatment	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
METM 195	Quality/Metrology/Inspection	Minimum 2.0 in (METD 130 and (METM 108 or METM 110)) and Reading Level 4 and Writing Level 4 and Math Level 4	2 / 3
<b>Credits</b>			<b>6 / 9</b>
<b>Total Credits</b>			<b>36 / 53.5</b>