



**Program: Manufacturing Technology**  
**Associate of Applied Science**

Campus: Trinidad Main Campus (TMC), Trinidad Alamosa Campus (TAC)  
 Program Code: AAS\_MFT  
 CIP Code: 15.0613



# SMART PATH

## First Semester

Course Code	Course Name	Credit Hours
MAC 101	Introduction to Machine Shop	3
MAC 110	Introduction to the Engine Lathe	3
MAC 120	Introduction to Milling Machine	3
MAC 201	Introduction to CNC Turning Operations	3
MAC 205	Introduction to CNC Milling Operations	3
MAC 240	CAD/CAM 2D	3
	<b>Total</b>	<b>18</b>

## Second Semester

Course Code	Course Name	Credit Hours
BUS 121	Basic Workplace Skills	1
MAC 111	Intermediate Engine Lathe	3
MAC 121	Intermediate Milling Machine	3
MAC 202	CNC Turning Operations II	3
MAC 206	CNC Milling Operations II	3
MAC 245	CAD/CAM 3D	3
	<b>Total</b>	<b>16</b>

## Third Semester

Course Code	Course Name	Credit Hours
ENG 115 or 121	Technical Writing or English Composition I: GT-CO1	3
MAT 107, 120, 121 or 135	Career Math, Mathematics for Liberal Arts: GT-MA1, College Algebra: GT-MA1, or Introduction to Statistics: GT-MA1	3
COM 115 or 125	COM 115 Public Speaking or COM 125 Interpersonal Communications	3
AH1, AH2, AH3, AH4, SS1, SS2, SS3, SC1, SC2	AGE 205, ANT 101, AST 101, BIO 105, GEO 105, SCI 105	3
	<b>Total</b>	<b>12</b>

## Manufacturing Technology Associate of Applied Science (continued)

### Fourth Semester

Course Code	Course Name	Credit Hours
AH1, AH2, AH3, AH4, SS1, SS2, SS3, SC1, SC2	AGY 240, ECO 201, ENV 101, HIS 122, PHI 112, PSY 101	3
Electives	DPM 103, WEL 102, WEL 113, WEL 121, WEL 122	3-4
Electives	DPM 103, WEL 102, WEL 113, WEL 121, WEL 122	3-4
Electives	DPM 103, WEL 102, WEL 113, WEL 121, WEL 122	3-4
Electives	ASE 120, ASE 123, BUS 102, BUS 115, CIS 118	2-3
	<b>Total</b>	<b>14</b>

**TOTAL: 60 credits**