

## MODEL ROUTE

<b>School:</b>	School of Engineering Technology & Applied Sciences - AMAT	<b>Program Number:</b>	3725				
<b>Program Title:</b>	Mechanical Engineering Technician - Design	<b>Credential:</b>	<input type="checkbox"/> Certificate <input checked="" type="checkbox"/> Diploma <input type="checkbox"/> Degree	<input type="checkbox"/> Graduate Certificate <input type="checkbox"/> Advanced Diploma			
<b>Delivery Mode:</b>	<input checked="" type="checkbox"/> Non Co-Op <input type="checkbox"/> Co-Op <input checked="" type="checkbox"/> Fast Track	<b>Duration:</b>	<input checked="" type="checkbox"/> 2 Semesters <input type="checkbox"/> 4 Semesters <input type="checkbox"/> 8 Semesters	<input type="checkbox"/> 3 Semesters <input type="checkbox"/> 6 Semesters <input type="checkbox"/> 9 Semesters			
<b>Intake:</b>	<b>Fall 2023 and Winter 2024</b>						
<b>Course Code</b>	<b>Course Title</b>	<b>Pre-Requisite (Course Code)</b>	<b>Lab Hours</b>	<b>Lecture Hours</b>	<b>Total Weekly Hours</b>	<b>Weeks (14)</b>	<b>Total Hours</b>
<b>Semester 3</b>	<b>Fall 2023 and Winter 2024</b>						
MT-103	Machine Shop		3	1	4	14	56
MT-201	CAD/CAM and CNC Programming	MT-103 & MATH-170/140 or FT code	4	0	4	14	56
MT-318	Fluid Mechanics 1	MATH-170 or MT-204 or FT code	1	3	4	14	56
MATH-180	Technology Math 3	MATH-180 or FT Code	0	3	3	14	42
MT-153	CAD II	MT-106 or (MT-151 & MT-152) or FT Code	4	0	4	14	56
COMM 170/171	College Communications 2		0	3	3	14	42
<b>Total</b>							<b>308</b>
<b>Semester 4</b>	<b>Winter 2024 &amp; Summer 2024</b>						
MT-224	Applied Dynamics	MT-121	0	4	4	14	56
MT-225	Hydraulics & Pneumatics		2	2	4	14	56
MT-228	Tool Design	MT-153	2	2	4	14	56
MT-257	Quality Assurance		1	2	3	14	42
MT-258	Project: Design & Construction	MT-153 & MT-204 or FT Code	0	4	4	14	56
GNED-500	Global Citizenship: From Social Analysis to Social Action		0	3	3	14	42
ENGL-250	Report Writing in a Technical Environment	COMM-170/171	0	2	2	14	28
<b>Total</b>							<b>336</b>
<b>Total Program Hours:</b>							<b>644</b>
<b>Notes:</b>							
Minimum Program GPA of 2.00 is required for graduation							
♦ This course may be offered in one of the following modalities: Online, Hybrid, or Blended							
<b>Signature:</b>	<i>Donald Wang</i>		March 22, 2018				
	AMAT Chair		Revised Date				