

## 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 type="checkbox"/> Graduate Certificate <input checked="" type="checkbox"/> Diploma <input type="checkbox"/> Advanced Diploma <input type="checkbox"/> Degree
<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"/> 3 Semesters <input type="checkbox"/> 4 Semesters <input type="checkbox"/> 6 Semesters <input type="checkbox"/> 8 Semesters <input type="checkbox"/> 9 Semesters

**Intake:** **Fall 2024 and Winter 2025**

Course Code	Course Title	Pre-Requisite (Course Code)	Lab Hours	Lecture Hours	Total Weekly Hours	Weeks (14)	Total Hours
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**Semester 3** **Fall 2024 and Winter 2025**

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-170 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>

**Semester 4** **Winter 2025 & Summer 2025**

MT-224	Applied Dynamics	MT-121 or FT Code	0	4	4	14	56
MT-225	Hydraulics & Pneumatics		2	2	4	14	56
MT-228	Tool Design	MT-153 or FT Code	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>

**Total Program Hours:** **644**

**Notes:**

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

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**Scheduled Breaks:**

This program has no scheduled break

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**Signature:** **March 22, 2018**

AMAT Chair Revised Date