



Transfer Pathway Planning Guide  
Catalog Year 2024-25

Community College	<b>Macomb Community College</b>
WSU College/School	<b>College of Engineering</b>
Major	<b>Mechanical Engineering Technology</b>
Degree/Credits	<b>Bachelor of Science (BS) in Mechanical Engineering Technology / 124 credits</b>

Achieving your goal of obtaining a four-year degree is attainable through the collaborative effort of Macomb and Wayne State. Begin your journey by earning an associate degree at Macomb, followed by a seamless transition to Wayne State for the completion of your bachelor's degree. Throughout this academic pursuit, you have the opportunity to embrace the diverse experiences and communities offered by both campuses.

### Macomb Community College

Program/Major (Degree)	Credits (min.)
<a href="#">Manufacturing Engineering Technology (AAS)</a>	62

**\*Note:** Up to 21 credits from Engineering, Technology, and Design programs may transfer as mechanical engineering technology lower division technical courses.

### Michigan Transfer Agreement (MTA) -Satisfies WSU University General Education requirements.

Discipline	Course (specific course required, if listed)	Credits	WSU Equivalent
English Composition	ENGL 1180 Communications 1 (or ENGL 1210)	3-4	ENG 1020
	ENGL 1190 Communications 2 (or ENGL 1220)	3-4	ENG 3010
Humanities/Fine Arts	PHIL 2100 Professional Ethics	3	PHI 1120
	See MTA; approved humanities/fine arts	3	See advisor
Mathematics	MATH 1465 Accelerated Calculus	5	MAT 1800
Sciences	CHEM 1050 Intro to Chemistry	4	CHM 1020
	PHYS 1180 College Physics 1	4	PHY 2130/31
Social Sciences	See MTA; approved social science	3	See advisor
<i>Must be from different disciplines</i>	See MTA; approved social science	3	See advisor

**TOTAL CREDITS 31-33** (30 minimum)

**Note:** Starting Fall 2024 ENGL 1181 Communications 1 is acceptable for ENGL 1180.

### Required courses

Course	Credits	WSU Equivalent
ATMT 1150 Machine Theory-Machine tool Lab 1	3	MCT 1XXX
BCOM 2050 Business Communication	4	ENG 3050
MATH 1760 Analytic Geometry & Calculus 1	4	ET 3430
PHYS 1190 College Physics	4	PHY 2140/21
DRCG 1130 Intro to 2D & 3D AutoCAD (3.00)	3	ET 2140
ITCS 2530 C+++ Programming 1	4	ET 2160
ELEC 1161+1171	6	EET 2000

**TOTAL CREDITS 28**



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**Transfer credit summary**

	Credits
Michigan Transfer Agreement (MTA)	31-33
Required courses	28
Lower Division Technical courses (Any ARCH, ATAM, ATAP, ATBC, ATDD, ATEM, ATMT, ATPP, ATSS, ATTR, ATWD, AUTO, CIVL, CLCT, CORE, CNST, DRAD DRCG ELEC, ENGR MACA MECT, PRDE, RNEW, ROBO, SURV.) *	18

**TOTAL TRANSFER CREDITS                    77-79** (62 min.)

\*Some additional course(s) may satisfy other Wayne State requirements, see WSU advisor.

**Wayne State University**

Bachelor of Science (BS) in Mechanical Engineering Technology

Course	Credit	MCC Equivalent
ET 2200 Engineering Materials	3	ATMT 1300+1310
ET 3450 Appl Calc & Diff Equations	4	
ET 3030 Statics	3	
ET 3050 Dynamics	3	
ET 3850 Reliable & Engineering Stats	3	
ET 3870 Engineering Economic Analysis	3	
ET 4999 Senior Project	3	
ET 5870 Engineering Project Mgt	3	
MCT 3010 Instrumentation	3	
MCT 3100 Mechanics of Materials	3	
MCT 3410 Kinematics & Dynamics	3	
MCT 4150 Applied Thermodynamics	3	
MCT 4180 Fluid Mechanics	3	
MIT 3520 Manufacturing Process Theory	2	
MCT 4400, 5210 <i>or</i> MIT 4700	3	
Upper Division Elective (see advisor)	3	

**TOTAL CREDITS                    48**

**Wayne State credit summary** –minimum 124 credits required for BS degree

	Credits
Major	48
<b>TOTAL WAYNE STATE CREDITS</b>	<b>48</b>

**TOTAL WAYNE STATE and TRANSFER CREDITS                    125-127** (124 min.)

**Notes**

- You can review how all courses transfer using the [course equivalency tool](#). For a self-service, customized WSU degree audit, please visit <https://wayne.edu/transfer/tess>
- Wayne State requires a minimum of 30 credits in residency.



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- The pathway allows multiple associate degree options with the flexibility to customize your degree path. The minimum eligibility to participate in the Wayne State Transfer Pathways is a cumulative GPA of 2.5 or above, Michigan Transfer Agreement (MTA), and an associate degree (earned or Reverse Transfer). See [transfer credit guidelines](#).
- All college-level (non-developmental), non-duplicated courses with a 2.0 (C) grade point average (GPA) or above will be considered for transfer credit. Earned credit will transfer as 1) direct course equivalency, 2) major/department credit, or 3) elective credit. Credits not earned at Macomb will need to be taken at WSU.
- These pathways do not replace the importance of Macomb and Wayne State academic advising. The pathway provides a general roadmap to degree completion.