



Transfer Pathway Planning Guide  
Catalog Year 2024-25

Community College  
WSU College/School  
Major  
Degree/Credits

**Macomb Community College (MCC)**  
**College of Engineering**  
**Mechanical Engineering Technology**  
**Bachelor of Science (BS) in Mechanical Engineering Technology / 124 credits**

Achieving your goal of obtaining a four-year degree is attainable through the collaborative effort of MCC and WSU. Begin your journey by earning an associate degree at MCC, 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.

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

Discipline	Course (specific course required, if listed)	Credits	WSU Equivalent
English Composition	ENG 1210 Composition 1 (or ENG 1180)	3-4	ENG 1020
	ENG 1220 Composition 2 (or ENG 1190)	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
	PHY 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)

**Required courses**

Course	Credits	WSU Equivalent
BCOM 2050 Business Communication	4	ENG 3050
MATH 1760 Analytic Geometry & Calculus 1	4	ET 3430
PHY 1190 College Physics	4	PHY 2140/21
DRCG 1140 Interactive Computer Graphics	4	ET 2140
ITCS 2530 C++ Programming 1	4	ET 2160
ELEC 1141 Basic Electronics	3	EET 2000
ATMT 1150 Machine Theory-Machine Tool (lab)	3	MIT 3500
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.	21	Required Lower Division Technical

**TOTAL CREDITS    47**

**Transfer credit summary**

	Credits
	<b>Mechanical ET Pathway</b>
Michigan Transfer Agreement (MTA)	31



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Required courses (required Lower Division Technical courses can be used to satisfy some AAS requirements; See MCC degree requirements)	47
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**TOTAL TRANSFER CREDITS**      **78** (60 min.)

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

**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**

**Credit summary** –minimum 124 credits required for BS degree

	Credits
	<b>Mechanical ET Pathway</b>
Major and/or electives <ul style="list-style-type: none"> <li>• <a href="#">ASSET scholarship</a></li> <li>• <a href="#">Accelerated Graduate Enrollment</a> (AGRADE)</li> <li>• <a href="#">Honors</a></li> <li>• <a href="#">Undergraduate research</a></li> <li>• <a href="#">Study abroad</a></li> </ul>	48
<b>TOTAL WAYNE STATE CREDITS</b>	<b>48</b>

**TOTAL WAYNE STATE and TRANSFER CREDITS**      **126** (124 min.)

**Wayne State electives and degree enhancements**

Consider electives additional opportunities for you to gain marketable skills like critical thinking, leadership and communication. These skills build a strong foundation for long-term career success. Defined broadly, career learning includes, but is not limited to, the following:



**WAYNE STATE  
UNIVERSITY**

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- Interdisciplinary project-based learning and field work
- Internships, micro-externships, and co-ops
- Global experiences/education abroad
- Community service learning
- Team-based solutions, oriented experiences
- Research in the field and in lab settings
- Alumni and professional mentoring, job shadowing and other developmental experiences
- Entrepreneurship and other business development opportunities

### Notes

- You can review how courses transfer using the [course equivalency tool](#) for other acceptable equivalences. 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.
- 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 MCC will need to be taken at WSU.
- These pathways do not replace the importance of MCC and Wayne State academic advising. The pathway provides a general roadmap to degree completion.