



Transfer Pathway Planning Guide
Catalog Year 2024-25

Community College
WSU College/School
Major
Degree/Credits

Macomb Community College
College of Engineering
Computer Science
Bachelor of Science (BS) / 120 credits

Achieving your goal of obtaining a four-year degree is attainable through the collaborative effort of Macomb and WSU. Begin your journey by earning an associate degree at Macomb, followed by a seamless transition to Wayne State to complete your bachelor's degree. Throughout this academic pursuit, you have the opportunity to embrace the diverse experiences, communities, and advisors offered by both campuses. To aid in a seamless transition to WSU, please be sure to reach out to your Wayne State advisor early on while still at Macomb.

- Damon Lee (dv5688@wayne.edu) - Last name alpha - A-H
 - Link for appointments: <https://stars.wayne.edu/student/advisor/dv5688>
- Colleen McKenney (cmckenney@wayne.edu) - Last name alpha I-L
 - Link for appointments: <https://stars.wayne.edu/student/advisor/fg8527>
- Michael Williams (michael.williams33@wayne.edu) - Last name alpha M-Z
 - Link for appointments: <https://stars.wayne.edu/student/advisor/ee4091>

Macomb Community College

<i>Program/Major (Degree)</i>	<i>Credits (min.)</i>
Computer Science Transfer (AS)	60
Associate of Science (AS)	60

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

<i>Discipline</i>	<i>Course (specific course required, if listed)</i>	<i>Credits</i>	<i>WSU Equivalent</i>
English Composition	ENGL 1180 Communications 1 (or ENG 1210)	3-4	ENG 1020
	ENGL 1190 Communications 2 (or ENG 1220)	3-4	ENG 3010
Humanities/Fine Arts <i>Must be different disciplines</i>	See MTA; approved humanities/fine arts	3	<i>See MCC advisor</i>
	See MTA; approved humanities/fine arts	3	<i>See MCC advisor</i>
Mathematics	MATH 1760 Analytic Geom/Calculus I	4	MAT 2010
Sciences	PHYS 2220 Analytical Physics 1	5	PHY 2170/71
	PHYS 2230 Analytical Physics 2	5	PHY 2180/81
Social Sciences <i>Must be different disciplines</i>	See MTA; approved social science	3	<i>See MCC advisor</i>
	See MTA; approved social science	3	<i>See MCC advisor</i>

TOTAL CREDITS 32-34 (30 minimum)

Note: PHYS 2220 and 2230 will satisfy MTA, per MCC.

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



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Required courses

Course	Credits	WSU Equivalent
MATH 2200 Discrete Math (<i>recommend taking with ITCS 2550</i>)	4	CSC 1500
ITCS 2530 C++ Programming 1	4	CSC 1100
ITCS 2550 C+++ Programming 2	3	CSC 2110
ITCS 2700 Data Structures	4	CSC 2200
ITCS 1140 Intro to Design & Implementation	4	BE 1600
Computer Science electives: * ITCS 2140, ITCS 2520, ITCS 2830, and ITWP 1000 (<i>satisfy WSU 3000-level electives</i>)	13	CSC 3XXX
ENGR 1000 Intro to Engineering or PRDE 2100 Design Intent	3	BE 1200

TOTAL CREDITS 35

*If interested in AGRADE, please contact WSU advisor before taking computer science electives at MCC (WSU equivalent, CSC 3XXX).

Transfer credit summary

	Credits
Michigan Transfer Agreement (MTA)	32-34
Required courses	35
Electives	0-3

TOTAL TRANSFER CREDITS 67-72 (min.)

Note: Some course(s) not included in the pathway may satisfy WSU requirements. See advisors for details.

Wayne State University

Bachelor of Science (BS) in Computer Science

Course	Credit	Macomb Course
ENG 3060 Technical Communication II	3	
CSC 3010 Ethics in Computer Science	3	
CSC 3020 Java Programming	3	
CSC 3100 Computer Architecture and Organization	4	
CSC 3110 Algorithm Design and Analysis	3	
CSC 4110 Software Engineering	4	
CSC 4420 Computer Operating Systems	4	
CSC 4500 Introduction to Theoretical Computer Science	3	
CSC 4710 Introduction to Database Management Systems	3	
CSC 4996 Senior Capstone Project	4	
BE 2100 Basic Engineering III: Prob & Statistics Engineering	3	
MAT 2020 Calculus II	4	MATH 1770
MAT 2030 Calculus III	4	MATH 2760
MAT 2250 Elementary Linear Algebra	3	MATH 2000



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TOTAL CREDITS 48

Wayne State credit summary

	<i>Credits</i>
Major and electives and/or degree enhancements <ul style="list-style-type: none"> • Accelerated Graduate Enrollment (AGRADE) (see advisor) • Honors • Student innovation hub • Minor • Research opportunities 	48-53
TOTAL WAYNE STATE CREDITS	48-60

TOTAL WAYNE STATE and TRANSFER CREDITS 120 (min.)

Note: minimum 30 credits in residency, 28 of which must be CSC coursework.

Wayne State electives and degree enhancements

Consider electives as 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:

- Interdisciplinary project-based learning and fieldwork
- 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 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.
- 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.



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- These pathways do not replace the importance of Macomb and Wayne State academic advising. The pathway provides a general roadmap to degree completion.
 - See WSU computer science advisor to consider Reverse Transfer to maximize WSU opportunities, such as AGRADE, honors, research, and internships.