LIVINGSTON COUNTY
EARLY COLLEGE

Washtenaw Community College

Mechatronics Pathway with Washtenaw Community College

Associate of Applied Science Mechatronics - Industrial Electronics Specialty

11th Grade					
Fall Semester			**Winter Semester**		
Robotics/Mechatronics	artic. Credit	Pinckney HS	Robotics/Mechatronics	artic. Credit	Pinckney HS

See your counselor for additional High School graduation requirements

12th Grade					
Fall Semester			**Winter Semester**		
Adv. Robotics/ Mechatronics	artic. Credit	Pinckney HS	Adv. Robotics/ Mechatronics	artic. Credit	Pinckney HS
*NCT 110	2 Credits	WCC	ELE 211	4 Credits	WCC
*NCT 101	2 Credits	WCC	MEC 201	2 Credits	WCC
ENG 111	4 Credits	WCC	MEC 100	3 Credits	WCC
ELE 111	4 Credits	WCC	COM 101	3 Credits	WCC

* Deonotes 7 week course
See your counselor for additional High School graduation requirements

13th Grade					
Fall Semester			**Winter Semester**		
*FLP 101	2 Credits	WCC	ELE 254	4 Credits	WCC
*FLP 110	2 Credits	WCC	Natural Science	3 Credits	WCC
Humanities	3 Credits	WCC	*Soc Sci.*	3 Credits	WCC
*ROB 222	2 Credits	WCC	*MEC 224*	4 Credits	WCC
MTH 160 or MTH 125	4 Credits	WCC			
*ROB 223	2 Credits	WCC			

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Washtenaw Community College

MMC grad requirements

VPAA: Robotics/Mechatronics

4th Math Experience, 3rd Science, 2nd Foreign Language: Adv. Robotics/Mechatronics

English: ENG 111

English: COM 101

Math: MTH 125, MTH 160, or MTH 176

ENG 111 4 CR Composition

COM 101 3 CR Fundamentals of Speaking

MTH 160 4 CR Basic Statistics

MTH 125 4 CR Everyday College Math

MTH 176 4 CR College Algebra

Nat Sci, Humanities, Soc. Science - Options available

MEC 100 3 CR Materials and Processes

MEC 101 2 CR 3D modeling and Blueprint Reading

MEC 201 2 CR Mechanisms

MEC 224 4 CR Robotics IV

ELE 111 4 CR Electronic Fundamentals

ELE 211 4 CR Basic Electronics

ELE 224 4 CR Programmable Controllers (PLCs 1)

ELE 254 4 CR Programmable Controllers (PLCs 2)

ROB 101 2 CR Robotics I

ROB 110 2 CR Robotics I-II

ROB 212 4 CR Robotics II

MTT 102 2 CR Machinging for the Technologies

ROB 222 2 CR Robotics Simulation

ROB 223 2 CR Robotics III

NCT 101 2 CR Intro to Computerized Machining (CNC-1)

NCT 102 2 CR Intro to Computerized Machining (CNC-2)

NCT 120 4 CR Intro to 2D CAD CAM Programming & Applications

NCT 121 4 CR Manual Programming and NC Tool Operation

NCT 123 4 CR 2D CAD CAM CNC Programming Mills and Lathes

NCT 221 4 CR Advanced Manual Programming and NC Tool Operation

FLP 101 2 CR Fluid Power Fundamentals I

FLP 110 2 CR Fluid Power Fundamentals II

Italicized - May be taken online or hybrid