



# Engineering Technology with Washtenaw Community College

## Associates Degree: Engineering Technologist - Manufacturing: 64 Credits

Can begin in either a Machine tool program and can earn an Intro to Manufacturing processes cert (8 credits).

11 <sup>th</sup> Grade					
Fall Semester			Winter Semester		
Machine tool	Artic. Credit	Howell HS or Pinckney HS	Machine tool	Artic. Credit	Howell HS or Pinckney HS

Articulates to: MEC 100 (3), MTT 102 (2), NCT 101 (2)

See your counselor for additional High School graduation requirements

12 <sup>th</sup> Grade					
Fall Semester			Winter Semester		
MEC 101	2 Credits	WCC	NCT 221	4 Credits	WCC
NCT 110	2 Credits	WCC	ROB 101	2 Credits	WCC
COM 101	3 Credits	WCC	ENG 107	3 Credits	WCC
NCT 120	2 Credits	WCC	MTT 111	4 Credits	WCC
NCT 121	4 Credits	WCC	NCT 123	2 Credits	WCC

See your counselor for additional High School graduation requirements

13 <sup>th</sup> Grade					
Fall Semester			Winter Semester		
NCT 255	4 Credits	WCC	MEC 120	4 Credits	WCC
NCT 259	4 Credits	WCC	NCT 269	4 Credits	WCC
MTH 178	3 Credits	WCC	ART 150	3 Credits	WCC
PHY 111	4 Credits	WCC	ECO 110	3 Credits	WCC



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## MMC grad requirements

VPAA, 4th Math Experience, 3rd Science, 2nd Foreign Language: Machine Tool

English: ENG 107

English: COM 101

Math: MTH 178

Science: PHY 111

Economics: ECO 110

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MEC 100 Materials and Processes (3)

MEC 101 3 D Modeling and Blueprint Reading (2)

MTT 102 Machining for the Technologies (2)

NCT 101 Intro to Computerized Machining (CNC)- I (2)

NCT 110 Intro to Computerized Machining (CNC) -II

ROB 101 Robotics I (2)

COM 101 Fundamentals of Speaking (3)

MTH 178 Gneral Trigonometry (3)

MTT 111 Machine Shop Theory and Practice (4)

NCT 120 Intro to 2D CAD CAM Programming and Applications (2)

NCT 121 Manual Programming and NC Tool Operation (4)

NCT 123 2D CAD CAM CNC Progammig for Mills and Lathes (2)

NCT 221 Advanced Manual Programming and NC Tool Operation (4)

ART 150 Monuments and Cultures (3)

PHY 111 General Physicss (4)

ECO 110 Intro to Economics (3)

NCT 255 Probes, Macros and Conversational Programming for CNC (4)

NCT 259 Master CAM 2D and 3D CAM CNC Programming for Mills (4)

ENG 107 Technical Writing Fundamentals (3)

MEC 120 3D- Printing: Machine, Process and Innovation (4)

NCT 269 4 and 5 axis Machining for the CNC Vertical Mills (4)

*Italicized* - May be taken online or hybrid