

Machine Shop

Associate of Applied Science in Machine Shop - Machinist Option—MC2

FIRST SEMESTER

—	MCHN	1391	Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
—	MCHN	1452	Intermediate Machining I	4
—	TECM	1341	Technical Algebra	3
—	ITSC	1309	Integrated Software Applications I	3
—	----	----	Natural Science	4

SCH

SECOND SEMESTER

—	MCHN	1454	Intermediate Machining II	4
—	MCHN	2441	Advanced Machining I	4
—	TECM	1349	Technical Math Applications	3
—	ENGL	----	Written Communication	3
—	----	----	Humanities/Fine Arts	3

17

THIRD SEMESTER

—	MCHN	2445	Advanced Machining II	4
—	ENGL	----	Written Communication	3
—	SPCH	----	Oral Communications	3
—	MCHN	2403	Fundamentals of Computer Numerical Controlled (CNC) Machine Controls	4
—	----	----	Elective*	3

17

FOURTH SEMESTER

—	MCHN	2434	Operation of CNC Machining Centers	4
—	●MCHN	1416	Machine Tool Repair	4
—	----	----	Social/Behavioral Science	3

11

Total Semester Credit Hours for Degree

62

* May choose MCHN 1343.

Associate of Applied Science in Machine Shop - Millwright Option—MW2

FIRST SEMESTER

—	MCHN	1391	Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
—	MCHN	1425	Millwright I	4
—	TECM	1341	Technical Algebra	3
—	ITSC	1309	Integrated Software Applications I	3
—	----	----	Natural Science	4

SCH

SECOND SEMESTER

—	MCHN	1429	Millwright II	4
—	MCHN	2405	Millwright III	4
—	TECM	1349	Technical Math Applications	3
—	ENGL	----	Written Communication	3
—	----	----	Humanities/Fine Arts	3

17

THIRD SEMESTER

—	HYDR	1345	Hydraulics & Pneumatics	3
—	MCHN	2407	Millwright IV	4
—	ENGL	----	Written Communication	3
—	SPCH	----	Oral Communications	3
—	MCHN	1343	Machine Shop Mathematics	3

16

FOURTH SEMESTER

—	●MCHN	2412	Millwright V	4
—	----	----	Elective *	3
—	----	----	Social/Behavioral Science	3
—	----	----	Elective	3

SCH

13

Total Semester Credit Hours for Degree

63

Certificate of Completion in Machine Shop - Machinist Option—MC1

FIRST SEMESTER

—	MCHN	1391	Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
—	MCHN	1452	Intermediate Machining I	4

SCH

7

SECOND SEMESTER

—	MCHN	1454	Intermediate Machining II	4
—	MCHN	2441	Advanced Machining I	4
—	MCHN	2445	Advanced Machining II	4

12

THIRD SEMESTER

—	●MCHN	1416	Machine Tool Repair	4
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4

Total Semester Credit Hours for Certificate

23

Certificate of Completion in Machine Shop - Millwright Option—MW1

FIRST SEMESTER

—	MCHN	1391	Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
—	MCHN	2405	Millwright III	4
—	MCHN	1343	Machine Shop Mathematics	3

SCH

10

SECOND SEMESTER

—	HYDR	1345	Hydraulics & Pneumatics	3
—	MCHN	2407	Millwright IV	4

7

THIRD SEMESTER

—	●MCHN	2412	Millwright V	4
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4

Total Semester Credit Hours for Certificate

21

Certificate of Completion in Machine Shop - Millwright Helper Option—MH1

FIRST SEMESTER

—	MCHN	1391	Special Topics in Machinist/Machine Technologist: Machine Parts Metrology & Design	3
—	MCHN	1425	Millwright I	4

SCH

7

SECOND SEMESTER

—	MCHN	1429	Millwright II	4
—	●MCHN	2405	Millwright III	4

8

Total Semester Credit Hours for Certificate

15

● Students should plan to take this capstone course in their last semester and should speak with their advisor prior to registering for the final semester. Core curriculum courses are shown in bold type. Field of Study (FOS) courses are underlined. Core and Field of Study courses are shown in bold and underline type.

◆ Students completing a high school Tech Prep Program may receive credit for indicated courses.