Rev 2/2015

Computerized Manufacturing & Machining
CNC Machinist
Semester Plan

FIRST YEAR COURSE SCHEDULE

✓	Fall Semester	Credits	✓	Spring Semester	Credits
	^CMM 114-Fundamentals of Machine Tools	6		^CMM124-Applied Machining	6
	^MAT 116-Technical Mathematics or Higher	3		^CMM134-Manual Programming CAD/CAM/CNC	6
	^BRX 112-Blueprint Reading for Machinist	4		Computer/Digital Literacy Course[3]	3
	^CMM 118-Metrology/Control Charts	2			
	Total Credit Hours	**15**		**Total Credit Hours CNC Machinist** **Machinist**	**15** **15**

SECOND YEAR COURSE SCHEDULE

✓	Fall Semester	Credits	✓	Spring Semester	Credits
	^CMM 214-Industrial Machining	6		CMM 224-Advanced Industrial Machining	6
	General Education[2]	3		Elective[4]	1
	^CMM 230-Conversational Programming (CNN Machinist)[1]	6		^CMM 240-Intro to 3-D Programming (CNC Machinist)	6
	Total Credit Hours CNC Machinist **Machinist**	**15** **9**		**Total Credit Hours**	**13**
				Total Credit Hours Diploma CNC Machinist **Machinist**	**56-59** **41-47**

Completion of Diploma or Additional Requirements for AAS/GOTS Degree

General Education Component	Credits	Technical Component	Credits
^MAT 116 Technical Mathematics	**3**	**Technical Core	**49-52**
OR Higher Quantitative Reasoning	**(3)**	**Total Credits for Degree (including General Education)**	**64-67**
Natural Sciences	**3**	Note:	
Social/Behavioral Sciences	**3**	*Please refer to the course catalog for complete listing of required Technical courses	
Heritage/Humanities	**3**	**The student must have a plan of study on file in the academic affairs office.	
ENG 101-Writing I	**3**	***A combination of general education and technical courses should not exceed 68 credits.	
Subtotal	**15**		

Curriculum in the KCTCS system is constantly being reviewed and updated to ensure quality and relevance. This check sheet should be used only as a guide for meeting the course requirements for each credential. See your advisor to confirm course requirements.

Note: Credit earned through certificate and diploma program will be applicable toward the Associate of Applied Science in General Occupational/Technical Studies degree when consistent with the objectives of the student's individual plan of study.

^Indicates possible course substitutions

^BRX 110 & 210 may be substituted for BRX 112
^CMM 110 & 112 may be substituted for CMM 114
^CMM 120 & 122 may be substituted for CMM 124
^CMM 210 & 212 may be substituted for CMM 214
^CMM 220 & 222 may be substituted for CMM 224
^MAT 126 Technical Algebra & Trigonometry or higher may be substituted for MAT 116
^CMM 130 may be substituted for CMM 134 (Machinist only)
^CMM 130 & 132 may be substituted for CMM 134 (CNC Machinist only)
^CMM 2301 & 2302 may be substituted for CMM 230 (CNC Machinist only)
^CMM 2401 & 2402 may be substituted for CMM 240 (CNC Machinist only)

[1] Only those following the CNC Machinist plan will need this course. *Please note that this plan follows two diploma options (CNC Machinist & Machinist) under the Computerized Manufacturing & Machining program. When a course is required for one area but not the other it will be noted in ( ) indicating the required area.
[2] Both CNC Machinist & Machinist are required to have a general education course from the following area:
Area 1 (written communication, oral communication, or heritage/humanities). Please see your advisor for a list of approved courses.
[3] Computer/Digital Literacy must be demonstrated either by competency exam or by completing a computer/ digital literacy course.
[4] Electives* CNC Machinist are required to take a minimum of 1 credit hour of general education or technical elective.
Machinist is required to take a Co-op or Practicum with a minimum requirement of 1 credit hour. Please check with your advisor for an approved course.

Students must achieve a minimum grade of "C" in each technical course.