

All  notated courses complete the Career Pathway Certificate (CPC) built into the AAS (22/23 Catalog Year)

**COMPLETE THE FOLLOWING GENERAL ED REQUIREMENTS (13)**

**ENGLISH:**

WR-101: Communication Skills: Occupational Writing	(3)	<input type="checkbox"/>
--	-----	--------------------------

**MATH:**

MTH-050: Technical Mathematics I  (substitution allowed)	(4)	<input type="checkbox"/>
---	-----	--------------------------




**HUMAN RELATIONS RELATED INSTRUCTION: Complete (3) credits**

Please refer to page 82 of the catalog for a list of approved related instruction courses.		
--	--	--

**PE/HEALTH/SAFETY RELATED INSTRUCTION:**



MFG-107 Industrial Safety & First Aid 	(3)	<input type="checkbox"/>
---	-----	--------------------------

**COMPLETE THE FOLLOWING MANUFACTURING TECHNOLOGY CORE REQUIREMENTS (74)**

MFG-280 (3): Manufacturing Technology/CWE		<b>OR</b>	HD-209 (3): Job Search Skills	
MFG-109: Computer Literacy for Technicians	(3)		MFG-104: Print Reading 	(3)
MFG-106: Advanced Applied Geometric Dimensioning and Tolerancing for Manufacturing	(3)		MFG-218: Lean Manufacturing and Quality Systems	(3)
MFG-264: CMM Set-up and Operation	(2)		MFG-221: Materials Science	(3)
MTH-080: Technical Mathematics II	(3)		MTT-141: CAD/CAM I	(4)
MTT-111: Manual Machining I 	(4)		MTT-241: CAD/CAM II	(4)
MTT-112: Manual Machining II	(4)		MTT-242: CAD/CAM III	(4)
MTT-113: Manual Machining III	(4)		MTT-253: 5-Axis Machining	(3)
MTT-121: CNC I: Set-Up and Operation 	(4)		MTT-254: Mill/Turn Machining	(3)
MTT-122: CNC II: Programming and Operation	(4)		MTT-268: Capstone Machining I	(3)
MTT-123: CNC III: Applied Programming & Operation	(4)		MTT-269: Capstone Machining II	(3)
MTT-252: Macro Programming and Machine Probing	(3)			

**COMPLETE THE FOLLOWING ELECTIVE REQUIREMENTS (9-12)**

Complete (9-12) credits of Machine Tool Technology electives									
- Please refer to the catalog for a complete list of manufacturing technology program electives									

 **All courses with  complete the CNC Operator Career Pathway Certificate (CPC)**  
**18\* Total Credits**  
[Look at potential jobs](#)

\*All Career Pathway Certificate credits apply to the AAS but can lead to an industry recognized credential and/or certificate before completing the AAS

**Total Credits Required for AAS: 96-99**  
 Check out [Career Coach](#) to see the many different job outlooks for all the CCC degree and certificates.

CCC offers stackable credentials to an AAS degree. The **Career Pathway Certificates** complete the first step. There are also **One Year Certificates** imbedded into many AAS degrees that complete the next step before completing the AAS. Talk with your advisor for more info about all the certificate programs CCC offers.