



Computer Numerical Control Operators: Certificate

<http://catalog.ivcc.edu/guidesheet/certificate/computernumericalcontroloperators/>



This Career Pathway Plan of Study is to serve as a guide as coursework may change. Other career planning materials may be used as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	Career and Technical Courses and/or Degree Major Courses	SAMPLE Occupations Relating to This Pathway
SECONDARY	9	English I	Algebra I Geometry	Physical Science	World History	Consumer Ed, Am. Gov., Speech		<ul style="list-style-type: none"> •Assembler •Blacksmith •Gunsmith •Industrial Machinery Mechanic •Manufacturing Machine Operator •Mechanical Engineering Technician •Millwright •Model Maker •Sheet Metal Worker •Tool and Die Maker •Welder
	10	English II	Geometry Algebra II	Biology			Machine Skills I	
	11	AP English Language English III	Algebra II Pre-Calculus	Chemistry	US History	11th grade; Take IVCC Placement test	Machine Skills II	
	12	English IV	Pre-Calculus Calculus	Physics			DUAL CREDIT COURSES* (see high school counselor) The following courses may be offered as dual credit at the Area Career Center & some high schools MET 1202	
To view detailed descriptions of the below courses, go to: http://catalog.ivcc.edu/courses/								
POSTSECONDARY	13		SPRING MTH 1206** Technical Mathematics I			<u>REQUIRED COURSES</u> FALL CSP 1210** Basic Computer Skills for The Workplace	SUMMER DFT 1203 Machine Blueprint Reading FALL CNC 1200 Fundamentals of CNC Operations MET 1202* Manufacturing Materials & Processes I SPRING CNC 1202 CNC Milling Machine Operations MET 1200 Inspection, Measurement & Quality	
	14						FALL CNC 1204 CNC Turning Center Operations I MET 2201 Statistical Quality Control Techniques SPRING CNC 1206 CNC Turning Machine Operations II	
Year 15 Continue to Associate in Applied Science Degree								

** Go to www.catalog.ivcc.edu/autosubstitutions/ to view allowed substitutions for required courses that may be offered as Dual Credit/Dual Enrollment at area high schools 2/16/16