Computer Integrated Manufacturing	Unit 1 Overview Computer Integrated Modeling	Unit 2 Programmable Machining	Unit 3 Introduction To Robotics	Unit 4 Computer Integrated Manufacturing
	Student will be able to demonstrate the ability to store, retrieve copy, and output drawing files depending upon system	Student will be able to explain the history of Computer Controlled Machines during the growth of NC and how it has	Student will be able to explain the advantages and disadvantages of CNC Machining	Student will be able to explain the differences between a P.L.C and a computer with interface.
Michigan Grades 9-12 Technology Standards Linked				
TECHNOLOGY GRADES 9-12: http://www.michigan.gov/documents/9-12_150927_7.pdf	X	X	X	X
BASIC OPERATIONS AND CONCEPTS		X	X	X
BOC3. understand the importance of both the predictable and unpredictable impacts of technology				X
BOC4. identify changes in hardware and software systems over time and discuss how these changes might affect the individual personally in his/her role as a lifelong learner		X		X
BOC10. assess and solve hardware and software problems by using online help or other user documentation and support				X
SOCIAL, ETHICAL, AND HUMAN ISSUES			X	
SEHI11. explore career opportunities and identify their related technology skill requirements			X	
TECHNOLOGY PRODUCTIVITY TOOLS	X	X	X	X
TPT4. apply advanced software features such as an application's built-in thesaurus, templates, and styles to improve the appearance of word processing documents, spreadsheets, and presentations				
TPT5. identify technology tools (e.g., authoring tools or other hardware and software resources) that could be used to create a group project	X	X		
TPT8. Use a variety of applications to plan, create, and edit a multimedia product (e.g., model, webcast, presentation,				
TECHNOLOGY PROBLEM-SOLVING AND DECISION-MAKING TOOLS		X	X	X
TPSDMT1. use a variety of technology resources (e.g., educational software, simulations, models) for problem solving and independent learning		X	X	X
TPSDMT2. describe the possible integration of two or more information and communication technology tools or resources to collaborate with peers, community members, and field experts			X	X
TPSDMT3. formulate a research question or hypothesis, then use appropriate information and communication technology resources to collect relevant information, analyze the findings, and report the results to multiple audiences				