CNC in Robotic Tending and Integration

Certificate in Technical Studies

The CNC Robotic Tending and Integration Certificate in Technical Studies program is a 12 credit program designed to be completed in the course of a year. This CTS will prepare students to apply technical knowledge and skills to plan and integrate robots to tend modern manufacturing systems. This planning and integration includes critical skills in "effector design" and risk management as well as adaptive process automation necessary to the modern application of robotics to machine tending. It is structured so that students may take one or two courses at a time and in any order to allow for ease of access for both current student and incumbent workers.

Spring		**Credits**
DDSN 135	SolidWorks I	3
MCH 242	CNC Probing and Macros	3
Total Credits		6
Summer		**Credits**
MCH 247	CNC Robotic Integration 1	3
Total Credits		3
Fall		**Credits**
MCH 248	Tooling and Work Holding for Robotic Tending	3
Total Credits		3
Total Program Credits		**12**