Machine Repair - Automated Systems Technology Specialized Diploma (2023-2024 Catalog)

	complete	Course #	Course Title	Credits	Pre-requisites / Co-requisites
Semester 1	☐	COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA
	☐	ELTC101	Electrical Fundamentals	3	
	☐	EMEC105	Introduction to Fluid Power	3	
	☐	EMEC114	Mechanical Skills for the Trades	2	
	☐	CADM117	Technical Drawings & Specifications	3	
			Total Semester Credits:	12	
Semester 2	☐	EMEC110	Mechanical Components	3	PRE or CO: CADM117
	☐	ELTC135	Electrical Motors and Controls	4	PRE: ELTC101
	☐	EMEC140	Sensors, Wiring, and Troubleshooting	1	PRE: ELTC101
	☐	EMEC251	Mechanical Systems	3	PRE or CO: EMEC105, EMEC110, and ELTC135
	☐	OSAH101 or OSAH102*	Construction Industry Outreach Safety Education or General Industry Safety Education	1	* OSAH102 is recommended
			Total Semester Credits:	12	
			Total Degree Credits	24	

This program does not need placement information for English or math; however, if a student chooses to continue with another degree, placement documentation would be needed. Placement in English and/or Mathematics must first be determined by official transcripts and/or placement testing. Developmental education courses are only taken if needed based on a student's placement; these courses would be in addition to the courses outlined below. Developmental education courses may extend the timeline to degree completion.

Transferring credits into NCC: Official transcripts are required; awarded credit will appear in Workday's Academic Progress.

*It is the student's responsibility to be knowledgeable of NCC graduation requirements and, if applicable, to verify transfer requirements with the 4-year institution. Courses listed on the program map are based upon the assumption that prerequisites and courses taken in previous semesters will be successfully completed.