

Interests include: electronics, fluid power, mechanical systems, computers and computer-controlled machines.



Name:

High School:

Plan of Study: Electromechanical Technology



Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Career and Technical Courses Central to this Pathway	Other Required Courses, Electives	Student Organizations/ Community Service		
Career Interest Inventory Administered and Program of Study Initiate for all Learners									
9						Required: <ul style="list-style-type: none"> Suggested: <ul style="list-style-type: none"> Algebra and Advanced Algebra CAD Electricity Geometry Physics Welding 			
10									
11									
College Placement Assessments- Academic/ Career Advisement Provided (Accuplacer, ACT, SAT, etc.) Did you participate in a Youth Apprenticeship?									
12									
Articulation/ Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes							Occupations Relating to this Pathway		
General Education Courses					Program Courses		<u>Associate Degree:</u> Electromechanical Technician Industrial Automation Technician Engineering Technician Research and Development Technician Robotics Technician Industrial Maintenance Technician Field Service Technician		
13/14	College Algebra w/Applications College Physics 1	Oral/Interpersonal Communications College Physics 2		Written Communication Economics or Intro to Ethics: Theory & App or Intro to Sociology Psych of Human Relations or Intro to Psych	<ul style="list-style-type: none"> Introduction to Machine Shop DC Circuits Computers for Technicians Electronic Fabrication Fluid Power 1 2D Machine Tool CAD 	<ul style="list-style-type: none"> Programming for Technicians AC Circuits Electronic Devices and Circuits 1 Fluid Power 2 Motor Controls, Actuators & Sensors 	<ul style="list-style-type: none"> Digital Fundamentals & Operational Amplifier Industrial Motors and Power Systems Applied Mechanical Systems Robot Applications Servo & Closed Loop Systems Introduction to Programmable Logic Controller Elective 	<ul style="list-style-type: none"> Advanced Plcs & Computer Integrated Mfg Systems Electromechanical Projects 	<u>Bachelor's Degree:</u> Electrical/Electronic Engineering Technician, Assemblers, Inspectors, Testers, Installers, Repairers Electro-Mechanical Technicians
15/16 NTC is currently working on articulation agreements with post-secondary institutions. Check out the transfer guides with Upper Iowa (Business Administration) at: www.ntc.edu/transferinfo/									