

Cleveland High School

Robotics Academy Post-Secondary Alignments



Electromechanical

Mechatronics

<p><u>Robotics 1</u> (Principles of Manufacturing)</p>	<p><u>ENST 1370:</u> Manufacturing Processes (3hrs)</p>	<p><u>INFS 1010:</u> Computer Applications (3hrs) <u>ENST 1300:</u> Technical Calculations (3hrs)</p>		<p>Dual Credit: MD 184: Manufacturing Processes <i>(Test taken after any 2 or more "Robotics"/Mechatronics courses)</i></p>
<p><u>Robotics 2</u> (Robotics and Automation)</p>	<p><u>ENST 1300:</u> Technical Calculations (3hrs)</p>	<p><u>MECH 1310:</u> Electrical Components (3hrs) <u>MECH 1320:</u> Mechanical Components (3hrs)</p>		
<p><u>Robotics 3</u> (Mechatronics 1)</p>	<p><u>EETC 1370:</u> Transformers and Rotating Machines (3hrs)</p>	<p><u>MECH 1330:</u> Electro-Pneumatic & Hydraulic Control (3hrs) <u>MECH 1340:</u> Digital Fundamentals and PLC's (3hrs)</p>	<p><u>Electromechanical Course Credit</u></p>	
<p><u>Robotics 4</u> (Mechatronics 2) (Mechatronics Practicum)</p>	<p>OSHA 10/ FANUC Certifications Industry Internship/ Practicum (3hrs)</p>	<p><u>MECH 2320:</u> Motor Controls OSHA 10/ FANUC Certifications Fall 2018 Siemens Level 1 Certification</p>	<p><u>Electromechanical Course Credit</u></p>	