



# MECHATRONICS, TECHNICAL CERTIFICATE

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**Program Code:** 6369

**Career Pathway:** Industry, Manufacturing, Construction & Transportation

**Program Entrance Requirements:** HS Diploma or GED.

**Program Description:** This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Manufacturing career cluster.

Course	Title	Credits
EET1084C	INTRODUCTION TO ELECTRONICS	3.00
ETD1320C	BASIC CAD	3.00
ETI1420	PROCESSES AND MATERIALS	3.00
ETI1701	SAFETY	3.00
ETM1010C	MEASUREMENT AND INSTRUMENTATION	3.00
ETS2542C	PROGRAMMABLE LOGIC CONTROLLERS	3.00
ETI2644	PRODUCTION AND INVENTORY CONTROL	3.00
ETM2315C	HYDRAULICS AND PNEUMATICS	3.00
ETS2527	ELECTROMECHANICAL SYSTEMS	3.00
ETI2535C	AUTOMATED PROCESS CONTROL	3.00
<b>Total Credits</b>		<b>30</b>

Students are strongly encouraged to meet with an advisor (<https://students.broward.edu/resources/advising/>) to create a personalized educational plan.