

# MECHATRONICS - CERTIFICATE OF ACHIEVEMENT (3316)

Division: Mathematics, Engineering Technologies and Computer Sciences  
(METCS) Division

Code	Title	Credits
<b>General Education Requirements (10 Credits)</b>		
<i>Written &amp; Oral Communication (3)</i>		
ENG 101	College Composition I	3
<i>Quantitative/Scientific Knowledge, Skills &amp; Reasoning (7)</i>		
MTH 114	Unified Calculus I	3
PHY 101	College Physics I	4
<b>Major Requirements (17 Credits)</b>		
ELC 115	Electric Circuits I	3
ENR 103	Engr. Graphics & Intro. to CAD	2
MET 202	Modern Manuf. Systems/Robotics	3
MET 211	Machines and Controls	3
MET 215	Fluid Mechanics	3
MET 221	Programmable Logic Controllers	3
<b>Total Credits</b>		<b>27</b>

Notes:

1. For an explanation of why General Education courses are included in this Program, please refer to the Section on General Education for an explanation of its Purpose and Requirements.
2. This plan assumes the student is eligible to enroll in College Level Courses (designated as 100 +, e.g., ACC 102 Prin Accounting II Managerial, HST 131 Latin American History I, MTH 221 Calc with Analytic Geom III). Placement results will determine College Level Readiness in English and Mathematics.