

**Program Completion Guide**  
**CIP Code - 15.0613**  
**Mechatronics - Industrial Maintenance - ADM Certificate**  
**2023-2024**

**Area I: Written Composition (3 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ENG101		

**Area II: Humanities and Fine Arts (3 Semester Hours Total)**

Courses	Courses Taken	Hours Earned
ART100, ENG251, ENG252, ENG261, ENG262, ENG271, ENG272, MUS101, PHL206, REL100, REL151, REL152, SPH107		

**Area III: Natural Science and Mathematics (6 Semester Hours Total)**

**Note:** CIS146 and MTH100 are required.

Courses	Courses Taken	Hours Earned
CIS146		
MTH100 or Higher MTH110, MTH112, MTH113, MTH115, MTH120, MTH125, MTH126, MTH227		

**Area IV: History, Social, and Behavioral Sciences (0 Semester Hours Total)**

Courses	Courses Taken	Hours Earned

**Area V: Pre-Professional, Major, and Elective Courses (29 Semester Hours Total)**

Courses	Credit Hours	Courses Taken	Hours Earned
<b>Major Core Concentration (27 Semester Hours)</b>			
ADM101 - Precision Measurement	3		
ADM106 - Quality Control	3		
ADM111 - Manufacturing Safety Practices	3		
INT101/ELT108 - DC Fundamentals	3		
INT103/ELT109 - AC Fundamentals	3		
INT118/ADM105 - Fundamentals of Industrial Hydraulics And Pneumatics	3		
MTT139 - Basic Computer Numerical Control	3		
MTT147 - Introduction to Machine Shop I	3		
WDT157 - Consumable Welding Processes	3		
<b>Institutional Requirements (2 Semester Hours)</b>			
ORI101 Take in the first semester unless student has 12 transfer credit hours			
BSS220 Take in last semester of program			

*In Area I through Area IV, transfer credits are accepted in accordance to ACCS policy.*



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For additional courses see [http://stars.troy.edu/approved\\_courses.html](http://stars.troy.edu/approved_courses.html)

**Total Semester Hours Required for Certificate: 41**

<b>Student Name:</b>	<b>Signature of Advisor:</b>
<b>Student Number:</b>	<b>Date of Advising:</b>
<b>Total Credit Hours Earned:</b>	<b>Date Audited by Admissions:</b>