

**PROGRAM: AAS MECHANICAL TECHNOLOGY**  
**Division: Math, Computer, Engineering & Physical Sciences & Technologies**  
**TECH-106 (914) 606-6788**

**64 Credits**

**Curriculum Chair**  
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 TECH-104  
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**Reviewed By:** \_\_\_\_\_  
**Date:** \_\_\_\_\_  
**Approved By Chairperson/Dean:** \_\_\_\_\_

Course #	SEMESTER 1	Credits	✓
CIVIL 103	Introduction to Technology (Tech Elective)	3	
MECH 144	Manufacturing I	3	
MECH 162	CAD I	3	
<b>MATH 135</b>	<b>College Algebra with Trigonometry</b>	<b>4</b>	
<b>ENG 101</b>	<b>Composition &amp; Literature 1</b>	<b>3</b>	
	<b>PE (fitness)-</b>	<b>1</b>	

Course #	SEMESTER 2	Credits	✓
<b>MATH 161</b>	<b>Pre-Calculus</b>	<b>4</b>	
<b>PHYSC 101</b>	<b>Technical Physics I and Technical Physics I Lab</b>	<b>3</b>	
<b>ENG 102</b>	<b>Composition &amp; Literature 2</b>	<b>3</b>	
MECH 145	Manufacturing II	3	
MECH 163	CAD II	3	
	<b>PE (Sport)-</b>	<b>1</b>	

Course #	SEMESTER 3	Credits	✓
<b>PHYSC 102</b>	<b>Technical Physics II w Lab or</b>	<b>3</b>	
<b>PHYSC 165</b>	<b>Principles of Energy</b>		
MECH 122	Mechanisms	3	
MECH 265	CAD 3D Modeling Or Technical Elective*-	3	
ELEC 128	Electrical Circuits	3	
	<b>Behavioral, Social Science or Humanities-</b>	<b>3</b>	

Course #	SEMESTER 4	Credits	✓
MECH 156	Fluids	3	
MECH 289	Manufacturing Processes	3	
MECH 127	Intro to Thermodynamics	3	
CIVIL 201	Elements of Strength of Materials	3	
	<b>Behavioral, Social Science or Humanities-</b>	<b>3</b>	

***Bold italic items are Core Requirements.***

**NOTES:**

\* Or approved substitute by Curriculum Chair

- **Social Science** courses include History (HIS), Political Science (POLSC), Economics (ECON) and Geography (GEOG).
- **Behavioral Science** courses include Sociology (SOC), Psychology (PSYCH), Anthropology (ANTHR) and Geography (GEOG). General Psychology is the prerequisite for all upper level psychology courses.
- **Choose ONLY those courses whose descriptions are labeled as “humanities credits” from:** ART, COMM, DANCE, ENG, MUSIC, FILM, THEAT, ARABC, CHINS, FREN, GER, ITAL, JAPNS, RUSSN, SPAN, PHIL.