

**Associate in Applied Science**  
**General Technology**  
**Machine Tool Technology (AAS.GT.GTMTT 35318)**

**Total Credit Hours: 64**  
**Effective: Fall 2017**

**Graduation Plan**

<b>General Education – Complete All</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Done</b>
ECO 101 Basic Economics	3.0	Co-requisite: ENG 032 or equivalent	<input type="checkbox"/>
*ENG 155 Communications I	3.0	Co-requisite: ENG 032 or equivalent – minimum grade of C	<input type="checkbox"/>
HSS 205 Technology and Society	3.0	ENG 032 or equivalent	<input type="checkbox"/>
*MAT 155 Contemporary Mathematics	3.0	MAT 032 or equivalent – Minimum grade of C	<input type="checkbox"/>
PSY 105 Personal/Interpersonal Psychology	3.0	Co-requisite: ENG 032 or equivalent	<input type="checkbox"/>
<b>TOTAL</b>	<b>15.0</b>		
<b>Primary Technical Specialty – Complete All</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Done</b>
*MTT 111 Machine Tool Theory & Practice	5.0		<input type="checkbox"/>
*MTT 112 Machine Tool Theory & Practice II	5.0	MTT 111	
*MTT 141 Metals and Heat Treatment	3.3		<input type="checkbox"/>
*MTT 147 Tool and Cutter Grinding	2.0		<input type="checkbox"/>
*MTT 215 Tool Room Machining I	4.0	MTT 112	<input type="checkbox"/>
*MTT 254 CNC Programming I	3.0	MTT 124 and RDG 031 or equivalent	<input type="checkbox"/>
*MTT 255 CNC Programming II	3.0	MTT 254	<input type="checkbox"/>
<b>TOTAL</b>	<b>25.0</b>		
<b>Secondary Technical Specialty – Must Complete a minimum of 12 Credit Hours</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Done</b>
*EGR 170 Engineering Materials	3.0	ENG 031 or equivalent	<input type="checkbox"/>
*EGR 175 Manufacturing Processes	3.0	ENG 031 or equivalent - minimum grade of C or equivalent	<input type="checkbox"/>
*EGR 270 Introduction to Engineering	3.0	ENG 031 or equivalent	<input type="checkbox"/>
*EGR 275 Introduction to Engineering/ Computer Graphics	3.0	ENG 031 or equivalent	<input type="checkbox"/>
*EGT 110 Engineering Graphics I	4.0	ENG 031 or equivalent; Co-requisite: MAT 105	<input type="checkbox"/>
*EGT 115 Engineering Graphics II	4.0	EGT 110 or equivalent - minimum grade of C	<input type="checkbox"/>
*EGT 210 Engineering Graphics III	4.0	EGT 115 or equivalent - minimum grade of C	<input type="checkbox"/>
*EGT 252 Advanced CAD	4.0	EGT 115 or equivalent - minimum grade of C	<input type="checkbox"/>
*IMT 102 Industrial Safety	2.0	RDG 031 or equivalent; MAT 033 or equivalent	<input type="checkbox"/>
*IMT 104 Schematics	2.0		<input type="checkbox"/>
*IMT 114 Benchwork and Assembly	2.0	RDG 031 or equivalent;	<input type="checkbox"/>

\* Courses in this program that require a minimum grade of "C."

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		MAT 033 or equivalent	
*IMT 120 Mechanical Installations	5.0	RDG 031 or equivalent; MAT 033 or equivalent	<input type="checkbox"/>
*IMT 131 Hydraulics and Pneumatics	4.0	RDG 031 or equivalent; MAT 033 or equivalent	<input type="checkbox"/>
*IMT 151 Piping Systems	3.0	RDG 031 or equivalent; MAT 033 or equivalent	<input type="checkbox"/>
*IMT 161 Mechanical Power Applications	4.0	RDG 031 or equivalent; MAT 033 or equivalent	<input type="checkbox"/>
*WLD 104 Gas Welding & Cutting	2.0	RDG 031 or equivalent	<input type="checkbox"/>
*WLD 111 Arc Welding I	4.0	RDG 033 or equivalent	<input type="checkbox"/>
*WLD 113 Arc Welding II	4.0	RDG 031 or equivalent and WLD 111	<input type="checkbox"/>
*WLD 136 Advanced Inert Gas Welding	2.0	RDG 031 or equivalent	<input type="checkbox"/>
*WLD 142 Maintenance Welding	3.0	RDG 031 or equivalent; MAT 033 or equivalent	<input type="checkbox"/>
*WLD 152 Tungsten Arc Welding	4.0	RDG 031 or equivalent	<input type="checkbox"/>
<b>TOTAL</b>	<b>12.0</b>		

**Other Hours Required for Graduation – Choose a minimum of 13 Credit Hours.**

**MUST Include COL 101 (1 hour)**

	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Done</b>
*COL 101 College Orientation	1.0		<input type="checkbox"/>
*EGT 128 Machine Tool Print Layout	2.0	RDG 031 or equivalent	<input type="checkbox"/>
*EGT 130 Geometric Dimensioning & Tolerancing Applications	3.0	RDG 031 or equivalent, EGT 128	<input type="checkbox"/>
*EGT 151 Intro to CAD	3.0	EGT 128	<input type="checkbox"/>
*EGT 212 Machine Tool Print Topics	2.0	EGT 128	<input type="checkbox"/>
*MTT 216 Tool Room Machining II	4.0	MTT 124 and MTT 126	<input type="checkbox"/>
*MTT 231 Tool and Die Making I	5.0	ENG 155, MTT 215, MTT 216 and MAT 155	<input type="checkbox"/>
*MTT 232 Tool and Die Making II	5.0	MTT 231	<input type="checkbox"/>
*MTT 241 Jigs and Fixtures I	2.0	MTT 215 and MTT 216	<input type="checkbox"/>
*MTT 242 Jigs and Fixtures II	2.0	MTT 241	<input type="checkbox"/>
*MTT 253 CNC Programming & Operations	3.0	MTT 254 and MTT 255	<input type="checkbox"/>
*MTT 258 Machine Tool CAM	3.0	EGT 145, MAT 155, MTT 111	
*MTT 270 CMM Programming & Operations	3.0	EGT 130, EGT 151, MAT 155, MTT 111	
<b>TOTAL</b>	<b>13.0</b>		

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