

18 Months Credits Required for Graduation: 72  
 Associate of Applied Science (A.A.S.) Degree

2009 – 2010 Revised: 7/09

**First Year – Fall Semester**

Course Number	Course Title	Clock Hours	Credits
<a href="#">MTT 101</a>	Machine Tool Theory I	28	1
<a href="#">MTT 106</a>	Blueprint Reading	28	1
<a href="#">MTT 110</a>	Precision Measuring	28	1
<a href="#">MTT 118</a>	Turning/Milling Theory	28	1
<a href="#">MTT 129</a>	Lathe and Mill Operations	126	5.5
<a href="#">MTT 134</a>	Machine Tool Lab	28	1
<a href="#">MTT 167</a>	Introduction to Computer Numerical Control (CNC)	28	1
<a href="#">AED 100</a>	Automated External Defibrillator	14	.5
<a href="#">CIS 102</a>	Windows Applications for Technicians	48	3
• Selected Mathematics Course		48	3
Total		404	18

**Spring Semester**

Course Number	Course Title	Clock Hours	Credits
<a href="#">MTT 117</a>	Applied Trigonometry	28	1
<a href="#">MTT 152</a>	Advanced Lathe and Mill Theory	28	1
<a href="#">MTT 158</a>	Advanced Lathe and Mill Operations	140	5
<a href="#">MTT 168</a>	Precision Grinding	56	2
<a href="#">MTT 172</a>	Fryer CNC Turning Center	84	3
<a href="#">MTT 185</a>	Miltronics Computer Numerical Control (CNC) Operations	84	3
• Selected Behavioral Science Course		48	3
Total		468	18

**Second Year – Fall Semester**

Course Number	Course Title	Clock Hours	Credits
<a href="#">MTT 207</a>	Advanced Computer Numerical Control (CNC) Theory	56	2
<a href="#">MTT 208</a>	Advanced Computer Numerical Control (CNC) Operations	84	3
<a href="#">MTT 217</a>	Electrical Discharge Machines Operations	28	1
<a href="#">MTT 221</a>	Fixture-Making Theory	28	1
<a href="#">MTT 222</a>	Fixture-Making Applications	56	2
<a href="#">MTT 226</a>	Die-Making Theory	28	1
<a href="#">MTT 227</a>	Die-Making Lab	112	4
<a href="#">MTT 236</a>	Coordinate Measuring Machine	28	1
• Selected Social Science Course		48	3
Total		468	18

**Spring Semester**

Course Number	Course Title	Clock Hours	Credits
<a href="#">MTT 212</a>	CAD CAM	28	1
<a href="#">MTT 218</a>	Advanced Electrical Discharge Machines Operations	28	1
<a href="#">MTT 261</a>	Basic Molding Processes	28	1
<a href="#">MTT 267</a>	Basic Molding Operations	112	4
<a href="#">MTT 272</a>	Advanced CNC Theory	28	1
<a href="#">MTT 274</a>	Advanced CNC Operations	112	4
<a href="#">MTT 277</a>	Project	84	3
• Selected Communications Course		48	3
Total		468	18

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk can be transferred directly to the university system under the terms of articulation agreements. Students should speak with an advisor before doing so.

**Behavioral Science**

[PSYC 100](#) – Psychology of Human Relations  
[PSYC 101](#) – General Psychology \*

**Communications**

[COMM 101](#) – Contemporary Communication  
[ENGL 101](#) – Composition \*  
[SPCM 101](#) – Fundamentals of Speech \*

**Mathematics**

[MATH 100](#) – Applied General Math  
[MATH 101](#) – Intermediate Algebra  
[MATH 102](#) – College Algebra \*

**Social Science**

[ECON 105](#) – Leadership in the Global Workplace  
[ECON 201](#) – Principles of Microeconomics I \*  
[ECON 202](#) – Principles of Macroeconomics II \*  
[SOC 100](#) – Introduction to Sociology \*