



## Mechanical Engineering Technology

### Curriculum Code A40320

Grade	Course Number	Course Title	Prerequisites/ Corequisites	Class	Lab	Credit
<b>Year 1</b>		<b>First Semester: Fall</b>				
	ACA 111	College Student Success <sup>1</sup>		1	0	1
	BPR 111	Print Reading		1	2	2
	CIS 110	Introduction to Computers <sup>2</sup>		2	2	3
	DFT 151	CAD I		2	3	3
	HYD 110	Hydraulics / Pneumatics I		2	3	3
	MEC 161	Manufacturing Processes I	MEC 161A	3	0	3
	MEC 161A	Manufacturing Processes I Lab	MEC 161	0	3	1
		<b>Semester Totals</b>		<b>11</b>	<b>13</b>	<b>16</b>
<b>Year 1</b>		<b>Second Semester: Spring</b>				
	DFT 154	Intro Solid Modeling		2	3	3
	ENG 111	Writing & Inquiry	See Catalog	3	0	3
	MAC 111	Machining Technology I		2	12	6
	MAC 178	CNC Turning: Operator	MAC 179	0	2	1
	MAC 179	CNC Milling: Operator	MAC 178	0	2	1
	MAT 121	Algebra/Trigonometry I	See Catalog	2	2	3
		<b>Semester Totals</b>		<b>9</b>	<b>21</b>	<b>17</b>
<b>Year 1</b>		<b>Third Semester: Summer</b>				
	MEC 128	CNC Machining Processes <sup>3</sup>		2	4	4
	MEC 145	Mfg. Materials I		2	3	3
		<b>Semester Totals</b>		<b>4</b>	<b>7</b>	<b>7</b>
<b>Year 2</b>		<b>Fourth Semester: Fall</b>				
	DFT 111	Technical Drafting I	DFT 111A	1	3	2
	DFT 111A	Technical Drafting I Lab	DFT 111	0	3	1
	MAC 234A	Advanced Multi-Axis Machining Lab		0	3	1
	MAT 122	Algebra/Trigonometry II	See Catalog	2	2	3
	MEC 110	Introduction to CAD/CAM		1	2	2
	PHY 131	Physics-Mechanics		3	2	4
	PSY 118	Interpersonal Psychology <sup>4</sup>		3	0	3
		<b>Semester Totals</b>		<b>10</b>	<b>15</b>	<b>16</b>
<b>Year 2</b>		<b>Fifth Semester: Spring</b>				
	DFT 112	Technical Drafting II	DFT 112A	1	3	2
	DFT 112A	Technical Drafting II Lab	DFT 112	0	3	1
	EGR 250	Statics/Strength of Mater		4	3	5
	EGR 285	Design Project		0	4	2
	ENG 114	Professional Research & Reporting <sup>5</sup>	See Catalog	3	0	3
	HUM/FINE ARTS	Humanities/Fine Arts <i>(Select One)</i> <sup>6</sup>		3	0	3
		<b>Semester Totals</b>		<b>11</b>	<b>13</b>	<b>16</b>
		<b>Cumulative Totals</b>		<b>43</b>	<b>69</b>	<b>72</b>

<sup>1</sup>ACA 115, ACA 118 or ACA 122 may be substituted.

<sup>2</sup>CIS 111 or CIS 113 may be substituted.

<sup>3</sup>Students may substitute 4 hours Work-Based Learning Experience – WBL 112, WBL 114, or WBL 122

<sup>4</sup>PSY 150 may be substituted.

<sup>5</sup>ENG 112 or ENG 113 may be substituted.

<sup>6</sup>ART 111, ART 114, ART 115, DRA 111, ENG 131, ENG 231, ENG 232, ENG 241, ENG 242, HUM 115, HUM 120, HUM 121, HUM 122, HUM 150, HUM 160, MUS 110, MUS 112, MUS 210, PHI 215, PHI 240, REL 110, REL 211, REL 212