

**PREPARING FOR YOUR CAREER IN:**

**MACHINE TOOL TECHNOLOGY  
ASSOCIATE IN APPLIED SCIENCE DEGREE 69 Semester Hrs Min**

**at ILLINOIS CENTRAL COLLEGE**

*Morton High School*

<i>Subject</i>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>English</b>	<i>LA - 9</i>	<i>LA – 10 Speech</i>	<i>Am Lit Writing 11/12</i>	<i>Adv. Speech Expos. Writing*</i>
<b>Math</b>	<i>Algebra I</i>	<i>Geometry</i>	<i>Algebra II</i>	<i>Pre- Calculus</i>
<b>Science</b>	<i>Biology</i>	<i>Chemistry</i>	<i>Physics</i>	-----
<b>Soc Sci</b>	<i>World Geography</i>	<i>Hist. Ill Civics</i>	<i>U.S. History</i>	-----
<b>Other Required</b>	<i>Arts/Lang</i>	<i>Arts/Lang Dr. Ed.</i>	<i>Consumer Education or Resource Mgt</i>	-----
<b>Tech Emphasis</b>	<i>Production Intro to CAD</i>	<i>Transportation Basic Electronics</i>	<i>Fabrication Automechanics</i>	<i>Autobody</i>
<b>Electives</b>	<i>2-D Art</i>	<i>Communications</i>	<i>Graphic Design</i>	<i>CHI</i>
<b>Phys Ed</b>	<i>PE/Health</i>	<i>PE</i>	<i>PE</i>	<i>PE</i>

\* Dual credit with ICC.

**Tech Prep – Combines secondary school College Prep and Technology Prep courses with a specific curriculum of study at Illinois Central College resulting in an Associate of Applied Science degree. A 2 year apprenticeship or Bachelor degree program would complete a 2 + 2 + 2 sequence. College Credit for high school coursework is possible through approved articulated course agreements or dual credit courses. See college catalog for details.**

**ILLINOIS CENTRAL COLLEGE**

<b>FALL</b>		<b>SPRING</b>
<b>13</b>	<ul style="list-style-type: none"> <li>• Principles of Dimensional Metrology</li> <li>• Geometric Dimensioning &amp; Tolerancing</li> <li>• Intro to Tool Making</li> <li>• Machine Tool Operations I</li> <li>• Composition I <u>or</u> Basic Composition</li> <li>• Applied Mathematics</li> </ul> <p style="text-align: right;"><b>15 Hrs.</b></p>	<ul style="list-style-type: none"> <li>• Intro to Mechanical Computer-Aided Drafting I</li> <li>• 3-D Modeling with CAD</li> <li>• Machine Tool Oper. II</li> <li>• Speech as a Comm. Process</li> <li>• Speaking-A Practical Matter</li> <li>• Technical Writing</li> <li>• Technical Mathematics</li> </ul> <p style="text-align: right;"><b>17 Hrs.</b></p>

**SUMMER:** • Fundamentals of Numerical Control Programming  
• Machining Internship **4 Hrs.**

<b>FALL</b>		<b>SPRING</b>
<b>14</b>	<ul style="list-style-type: none"> <li>• N/C Machining, Lathe</li> <li>• N/C Machining, Mill</li> <li>• Machine Tool Oper. III</li> <li>• Tool Design for Numerical Control</li> <li>• Technical Physics I</li> <li>• Social Science</li> </ul> <p style="text-align: right;"><b>16 Hrs.</b></p>	<ul style="list-style-type: none"> <li>• Special Machining Skills</li> <li>• Materials Science and Metallurgy</li> <li>• Industrial Fluid Power</li> <li>• Statics and Strength of Materials</li> <li>• Welding Processes</li> <li>• Social Science</li> </ul> <p style="text-align: right;"><b>17 Hrs.</b></p>

**FOR INFORMATION CONTACT YOUR HIGH SCHOOL COUNSELOR OR TECH PREP FOR CENTRAL ILLINOIS CONSORTIUM AT ICC (309) 694-5266.**

