

PREPARING FOR YOUR CAREER IN:
at ILLINOIS CENTRAL COLLEGE

**MANUFACTURING TECHNOLOGY
MACHINING OPTION
ASSOCIATE IN APPLIED SCIENCE DEGREE 69 Semester Hrs Minimum**

MIDLAND HIGH SCHOOL

<i>Subject</i>	9	10	11	12
English	English I	English II	English III	English IV
Math	Pre-Alg.	Algebra I	Geometry	Alg. II or Elective
Science	Biology	PSAA/BSAA	Chemistry	Elective
Soc Sci	Geography	Elective	US History	Elective
Other Required	Health	Dr. Ed.	Consumer Ed.	
Tech Emphasis	-Intro to Ag. Mech.	Welding/ Metals	-Adv. Ag. Mech. -WBL	-Adv. Ag. Mech. -Auto Mech -WBL
Electives				Co-Op
Phys Ed	Required	Required	Required	Required

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

FALL		SPRING
13	<ul style="list-style-type: none"> • Print Reading – Mechanical <u>or</u> Technical Drafting • Principles of Dimensional Metrology <u>or</u> Mechanical Systems I • Technical Mathematics <u>or</u> Applied Geom. and Trig. • Composition I <u>or</u> Basic Composition • Speech as a Communicative Process <p style="text-align: right;">15-18 Hrs</p>	<ul style="list-style-type: none"> • Manuf. Processes I • Technical Math <u>or</u> Technical Math • Technical Physics <u>or</u> Pre-Technical Physics • Welding Processes <u>or</u> Welding for Maint. Mechanics • Technical Writing <p style="text-align: right;">15-18 Hrs</p>

SUMMER: • Machine Tool Operation I
 • Machine Tool Operation II

FALL		SPRING
14	<ul style="list-style-type: none"> • Machine Tool Oper. III • Special Machining Skills • Manuf. Processes II • NC Machining Lathe • NC Machining Mill • Fundamentals of Numerical Control Programming • Social Science Elective <p style="text-align: right;">17 Hrs</p>	<ul style="list-style-type: none"> • Materials Science & Physical Metallurgy • Graphic NC Programming • Tool Design for NC • Elective • Social Science Elective <p style="text-align: right;">15-16 Hrs</p>

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

