

MANUFACTURING, ENGINEERING, TECHNOLOGY & TRADES (METT)



HIGH SCHOOL COURSES			
9 English 1	10 English 2	11 English 3	12 English 4
Math 1	Math 2	Math 3	Math
Biology	Chemistry	Physics	Science Elective
Human Geography	Western/Non-Western Civilization	US History	Economics / Government
PE/Health	Wellness	Wellness	Wellness

EXPLORE ELECTIVES			
PLTW	Engineering Design and Development Honors (EDD PLTW)		TECH CAMPUS
Introduction to Engineering (IED PLTW)	Digital Electronics (DE PLTW)	Business Structures	Auto-body/Collision and Repair Technology/Technician
Principles of Engineering (POE PLTW)	PLTW LAB TECH	Mobile Makers 1 & 2	Automotive Mechanics Technology/Technician
			Construction Trades
			Welding Technology/ Welder

CLUBS & ACTIVITIES		
Student Council	Robotics	Chess Team
RL Ambassadors	Speech Team	Math Team
SOMOS	Any STEM related club	Women in STEM

COMMUNITY PARTNERS		
Lake County Tech Campus		Maker Faire Lake County
Takeda		Advanced Technology Center of Lake County
Foundation for Fair Contracting	Baxter	CISCO



COLLEGE MAJORS OR PROGRAMS

Aerospace Engineering Air Traffic Controller Architectural Drafting Automotive Engineering Chemical Engineering Civil Engineering Computer Engineering Construction Engineering Electrical Engineering	Energy Management Engineering Physics Engineering Technology Industrial Engineering Manufacturing Technology Mechanical Drafting Mechanical Engineering Nanotechnology Nuclear Engineering	Occupational Safety Technology Plastics Engineering Radiological Engineering Robotics Technology Systems Design Systems Engineering Tool and Die Technology
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CAREERS!

CERTIFICATION/ ASSOCIATES DEGREE

Aerospace Machinist
Aircraft Mechanic
Air Traffic Controller
Architectural Drafter
Assembler
Automotive Technician/Mechanic
Cargo and Freight Agent
Carpenter
Cartographic Technician
Civil Engineering Technician
CNC Programmer/Machinist
Computer Technician
Electrician
Electronic Systems Technician
Engineering Technician
General Contractor/Building
Helicopter Pilot
HVAC Technician
Industrial Machinery Mechanic
Manufacturing Technician/Engineer
Metrology/Measurement
Mold Maker
Nanotechnology Technician
Pipefitter
Plumber
Security Consultant
Sheet Metal Worker
Surveyor
Tool & Die Maker
Warehouse Manager
Welder

BACHELOR DEGREE OR HIGHER

Aeronautical/Aerospace Engineer
Airline Pilot/Co-Pilot
Analytical Chemist
Archaeologist
Anthropologist
Architect
Astronaut
Astronomer
Aviation
Biologist
Botanist
Cartographer
Chemist
Civil Engineer
CNC Applications Engineer
Ecologist
Environmental Scientist
Geologist
Health & Safety Engineer
Industrial Engineer
Industrial Systems Engineer
Interior Designer
Landscape Architect
Manufacturing Engineer
Mechanical Engineer
Nano Scientist
Physicist
Plant Manager
Product Design Engineer
Quality Assurance Inspector
Safety Analyst
Solar Engineer

COLLEGE OF LAKE COUNTY



PROGRAMS	CERTIFICATE/DEGREE	DUAL CREDIT
Automation, Robotics and Mechanics	Smart Automation Certification Alliance (SACA) & A.A.S.	
Automotive Collision Repair	A.A.S. & Automotive Certificate	
Automotive Technology	A.A.S.	
CAD-Drafting Technology	A.A.S. & AutoCAD or SolidWorks Certificate	
Computer Science	Transfer Program	
Electrical Engineering Technology	A.A.S in Electrical Engineering Technology	Math in Trades
Electrician Apprenticeship		
Engineering & Computer Science	Transfer Program	
CDL (Commercial Driver's License)	Commercial Driver's License (Certification)	
Home & Building Inspection	Illinois Home Inspection License	
HVACR Engineering Technology	A.A.S. & HVAC Certificate	
Forklift Operator Training		
Industrial Technology	Transfer Program	
Welding & Fabrication Technology		