

EDUCATION FOR EMPLOYMENT PROGRAM OF STUDY			
Major area of study: Drafting Technology/Computer Aided Design			
HIGH SCHOOL		COLLEGE	
EFE Program: Drafting Technology		Associate of Applied Science Degree: Computer Aided Design	
CIP Code: 15.1301		CIP Code: 15.1302	
HIGH SCHOOL SCHEDULE			
9 <sup>TH</sup> GRADE	Graduation Requirements: Electives (2), English, Foreign Language, Health, Math (Algebra), Physical Education, Science (Biology), Social Studies (US History/Geography)		
10 <sup>th</sup> GRADE	Graduation Requirements: Electives (2), English, Foreign Language, Math (Geometry), Science (Chemistry/Physics), Social Studies (Government/Econ)		
11 <sup>th</sup> GRADE	Graduation Requirements: Electives (3), English, Math (Algebra II), Science (3 <sup>rd</sup> ), Social Studies (World History/Geography)	EFE High School Program Drafting Technology  Kalamazoo Valley Community College Credit DRFT 130: Technical Drawing (3CR) DRFT 135: Auto CAD (3CR)	
12 <sup>th</sup> GRADE	Graduation Requirements: Electives (5), English, Fine Arts (Drafting equivalent credit), Math (Drafting equivalent credit)		
Delete two electives a year for a 6 hour day; delete three electives a year for a five hour day.			
High School courses listed above in red bold (yellow highlight) provide an opportunity to earn FREE COLLEGE CREDIT for the college course(s) listed below in black bold (yellow highlight). Students must maintain a B or higher per semester/trimester to earn credit.			
COLLEGE SCHEDULE			
Program Requirements for an Associate of Applied Science Degree			
DRFT 110 (2CR) Analytical Apps Tech Careers I DRFT 112 (2CR) Analytical Apps Tech Careers II	DRFT 175 (3CR) Fundamentals of Design	DRFT 225 (3CR) Computer Aided Simulation with FEA	ENG 110 (3CR) College Writing I ENG 127 (3CR) Technical Writing
DRFT 130 (3CR) Technical Drawing DRFT 135 (3CR) Auto CAD	DRFT 180 (3CR) Design for Manufacturability	DRFT 235 (3CR) Mold Design DRFT 245 (4CR) Machine Design	Political Science Minimum 3 Credits
DRFT 140 (3CR) Production Drafting DG & T	DRFT 210 (3CR) Kinematics of Mechanisms	MACH 101 (3CR) Trends in Manufacturing	Social Science Minimum 3 Credits
DRFT 160 (3CR) PRO-E	DRFT 215 (4CR) Statics & Strength Materials	MSM 120 (2CR) Basic Fluid Power MSM 260 (4CR) Metallurgy/Mechanical Testing	Wellness/Physical Education Minimum 2 Credits
Required Credit Hours:	62	Average Salary Range: \$30,000 - \$80,000	
Earned College Credit Hours:	3-6	Occupations:  Architect, Tool and Die Designer, Engineer, CAD Operator, Designer, Drafter, CAD Manager, Project Manager, Tool Designer, BIM Manager, Interior Designer	
Hours Remaining to Obtain Degree:	56-59		
Average College Savings:	\$459.00		
*Subject to change – tuition rates based at \$76.50/Credit (CR)			