



# Computer Aided Drafting & Design Associate in Applied Science Degree (220)

BEGIN

## SEMESTER 1 – FALL

	CREDITS	PREREQUISITE
<input type="checkbox"/> FYS 101 First Year Experience	1 credit	Prerequisite: see catalog
<input type="checkbox"/> DRAF 101 Engineering Graphics	4 credits	
<input type="checkbox"/> OIT 161 Applications Software	3 credits	Prerequisite: see catalog
<input type="checkbox"/> ENGL 151 Freshman Composition	3 credits	Prerequisite: see catalog
<input type="checkbox"/> Global Awareness Elective (see note)	3 credits	
<input type="checkbox"/> Healthy Living Elective (see note)	2-3 credits	

### SEMESTER TOTAL CREDITS 15-16

## SEMESTER 2 – SPRING

	CREDITS	PREREQUISITE
<input type="checkbox"/> DRAF 120 Machine Drafting	3 credits	Prerequisite: DRAF 101
<input type="checkbox"/> DRAF 181 Applications in AutoCAD	3 credits	Prerequisite: DRAF 101
<input type="checkbox"/> DRAF 234 SolidWorks	3 credits	Prerequisite: DRAF 101
<input type="checkbox"/> MATH 118 Applied Algebra and Trigonometry 1	3 credits	Prerequisite: see catalog
<input type="checkbox"/> ENTE 160 Manufacturing Processes	3 credits	Prerequisite: ENTE 160

### SEMESTER TOTAL CREDITS 15

## SEMESTER 3 – SUMMER

	CREDITS	PREREQUISITE
<input type="checkbox"/> ENTE 170 CNC and CAM	3 credits	Prerequisite: ENTE 160
<input type="checkbox"/> Creativity Elective (see note)	3 credits	

### SEMESTER TOTAL CREDITS 6

## SEMESTER 4 – FALL

	CREDITS	PREREQUISITE
<input type="checkbox"/> DRAF 141 Descriptive Geometry	3 credits	Prerequisite: DRAF 101
<input type="checkbox"/> DRAF 221 Architectural Drafting	3 credits	Prerequisite: DRAF 101
<input type="checkbox"/> DRAF 252 Advanced SolidWorks	3 credits	Prerequisite: DRAF 234
<input type="checkbox"/> ENTE 215 Material Science	3 credits	
<input type="checkbox"/> MATH 119 Applied Algebra and Trigonometry 2	3 credits	Prerequisite: MATH 118

### SEMESTER TOTAL CREDITS 15

## SEMESTER 5 – SPRING

	CREDITS	PREREQUISITE
<input type="checkbox"/> DRAF 211 Dimensioning and Tolerancing	3 credits	Prerequisite: DRAF 120 & 234
<input type="checkbox"/> DRAF 262 Engineering Design	3 credits	Prerequisite: DRAF 252
<input type="checkbox"/> ENTE 220 Statics and Strengths of Materials	3 credits	Prerequisite: see catalog
<input type="checkbox"/> PHYS 111 College Physics 1	4 credits	Prerequisite: see catalog
<input type="checkbox"/> COMM 101 Foundations of Interpersonal Communication, OR COMM 111 Business and Technical Communication, OR COMM 207 Public Speaking	3 credits	Prerequisite: see catalog

### SEMESTER TOTAL CREDITS 16

**You're Finished! TOTAL CREDITS 67-68**

## NOTES

Check the KCC online Academic Catalog for degree and prerequisite criteria.

Note: ART 110 is recommended as the Creativity elective for Ferris State University's Product Design Engineering program. COMM 207 is the only transferable communication course for Ferris State University's Product Design Engineering Program. HIST 221 or HIST 222 are recommended as the Global Awareness elective for Ferris State University's Product Design Engineering program. PSYC 201 is recommended for the Healthy Living elective for Ferris State University's Product Design Engineering program.

Students should seek advice from their Academic Advisor to ensure they are meeting program requirements.

It is the student's responsibility to verify the Michigan Transfer Agreement and all transfer courses with the transfer institution.

Information contained in the mapping document was, to the best knowledge of Kellogg Community College staff, considered correct when published. However, this mapping document should not be considered a contract between Kellogg Community College and any student.