

Computer Aided Drafting and Design – Mechanical (Updated 5/2021)

P_AAS_CADM

61

CAMPUS
CC

Fall Start

First Semester: Fall Start

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 100	Print Reading for Computer Aided Drafting	3	
CAD 101	Computer Aided Drafting 1	3	CAD 100 or concurrent
CIS 118 or CSC 105	Introduction to PC Applications (recommended) or Computer Literacy	3	
MAC 100	Machine Shop Safety	1	
MAC 101	Introduction to Machine Shop	3	MAC 100 or concurrent enrollment
MTE 130	Metrology	3	
		Total	16

Second Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 102	Computer Aided Drafting 2	3	CAD 100 and CAD 101
CAD 255	SolidWorks Mechanical (1 st Bi-semester)	3	CAD 100
CAD 259	Advanced SolidWorks (2 nd Bi-semester; *Recommended Technical Elective)	3	CAD 255
ENG 131 or higher	Technical Writing or higher ENG course	3	College Reading & Writing Literacy or Co-Req ENG 077 or Co-req CCR 094 (for ENG 121)
MAT 107 or higher	Career Math or higher MAT course	3	College Quantitative Literacy or Co-Req MAT 087
		Total	15

Third Semester: Fall

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 153	Intro to Creo Basics (1 st Bi-semester)	3	CAD 101
CAD 262	3D Printing (*Recommended Technical Elective)	3	CAD 255 and CAD 259
EGT 103	Applied Dimensions and Tolerances	3	CAD 100, CAD 101, and CAD 102
EGT 205	Geometric Dimensioning & Tolerance	3	CAD 100 or MAC 102, and EGT 103
COM 225	Organizational Communication	3	College Reading & Writing Literacy
		Total	15

Fourth Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 253	Creo Advanced (*Recommended Technical Elective)	3	CAD 153
BUS 115 or COM 125 or PSY 100	Introduction to Business or Interpersonal Communication or Psychology of Workplace Relationships	3	College Reading & Writing Literacy
EGT 210	Mechanical Drafting III	3	CAD 255, CAD 259, and EGT 103
CAD 266 (was MAC 252)	Advanced 3D Printing (was Practical Metallurgy)	3	CAD 262
MTE 247	Strength of Materials	3	CAD 255, EGT 103, and MAT 107
		Total	15

*Consult with faculty advisor for appropriate technical elective.

Department Chair: Michele Koster michele.koster@ppcc.edu Phone (719) 502-3245

It is highly recommended you meet with your Department Advisor. Contact advisor via email to set up advising appointment.