

Computer Aided Drafting and Design – Mechanical (Fall 2022)

P_AAS_CADM

61

CAMPUS
CC

Fall Start

First Semester: Fall Start

Course Code New # (Old #)	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 1100 (100)	Print Reading for Computer Aided Drafting	3	
CAD 1101 (101)	Computer Aided Drafting 1	3	CAD 1100 (100) or concurrent
CIS 1018 (118) or CSC 1005 (105)	Introduction to PC Applications (recommended) or Computer Literacy	3	
MAC 1000 (100)	Machine Shop Safety	1	
MAC 1001 (101)	Introduction to Machine Shop	3	MAC 1000 (100) or concurrent enrollment
MTE 1130 (130)	Metrology	3	
		Total	16

Second Semester: Spring

Course Code New # (Old #)	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 1102 (102)	Computer Aided Drafting 2	3	CAD 1100 (1100) and CAD 1101 (101)
CAD 2455 (255)	SolidWorks Mechanical (1 st Bi-semester)	3	CAD 1100 (100)
CAD 2456 (259)	Advanced SolidWorks (2 nd Bi-semester; *Recommended Technical Elective)	3	CAD 2455 (255)
ENG 1020 (131) or higher	Technical Writing or higher ENG course	3	College Reading & Writing Literacy or Co-Req ENG 0077 (077) or Co-req CCR 0094 (094) for ENG 1021 (121)
MAT 1140 (107) or higher	Career Math or higher MAT course	3	College Quantitative Literacy or Co-Req MAT 0140 (087)
		Total	15

Third Semester: Fall

Course Code New # (Old #)	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 2458 (153)	Intro to Creo Basics	3	CAD 1101 (101)
CAD 2660 (262)	3D Printing (*Recommended Technical Elective)	3	CAD 2455 (255) and CAD 2456 (259)
EGT 2303 (103)	Applied Dimensions and Tolerances	3	CAD 1100 (100), CAD 1101 (101), and CAD 1102 (102)
EGT 2305 (205)	Geometric Dimensioning & Tolerance	3	CAD 1100 (100) or MAC 1002 (102), and EGT 2303 (103)
COM 2250 (225)	Organizational Communication	3	College Reading & Writing Literacy (see above)
		Total	15

Fourth Semester: Spring

Course Code New # (Old #)	Course Name	Credit Hours	Course Pre-/Co-Req
CAD 2459 (253)	Creo Advanced (*Recommended Technical Elective)	3	CAD 2458 (153)
BUS 1015 (115) or COM 1250 (125) or PSY 1005 (100)	Introduction to Business or Interpersonal Communication or Psychology of Workplace Relationships	3	College Reading & Writing Literacy (see above)
EGT 2310 (210)	Mechanical Drafting III	3	CAD 2455 (255), CAD 2456 (259), and EGT 2303 (103)
CAD 2661 (266)	Advanced 3D Printing	3	CAD 2660 (262)
MTE 2330 (247)	Strength of Materials	3	CAD 2455 (255), EGT 2303 (103), and MAT 1140 (107) or higher
		Total	15

*Consult with faculty advisor for appropriate technical elective.

Department Chair: Michele Koster Email Preferred: 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.