

Computer Aided Drafting and Design -HVAC (Updated 5/2021)

CAMPUS
CC

P_AAS_CADH

62

Fall or Spring Start

First Semester: Fall or Spring 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	
HVA 102	Basic Refrigeration	4	
HVA 105	Electricity for HVAC/R	4	
		Total	17

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	3	CAD 101
EGT 103	Applied Dimensions and Tolerances	3	CAD 100, CAD 101, and CAD 102 or concurrent
HVA 110	Fundamentals in Gas Heating	4	
HVA 111	Piping Skills for HVA/R	4	
		Total	14

Fourth Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
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	
COM 225	Organizational Communication	3	College Reading & Writing Literacy
HVA 247	Hot Water Heating Systems	4	HVA 105, HVA 110, HVA111
Technical Elective*	CAD 253 recommended	3	CAD 255, CAD 259 and EGT 103
		Total	16

*Consult with faculty advisor for appropriate technical elective.

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