

Courses						
Required Courses	Cr.	Term Offerings*				Pre-Requisite(s) and Notes
		Su	F	W	S	
Drafting AAS Degree Requirements:						
CST 122 Construction Codes	2			X		
DRF 121 Mechanical Drafting	4			X		<i>DRF 160</i>
DRF 137 Architectural Plans	4				X	<i>DRF 160</i>
DRF 160 Computer-Aided Drafting and Design	4		X	X	X	
DRF 203 Electrical Drafting	2				X	<i>DRF 160</i>
DRF 245 Solid Modeling	4				X	<i>DRF 160</i>
Program Electives; Complete 4-6 credits						
APR 101 Trade Skills Fundamentals	4				X	
APR 105 Electrical Wiring for the Trades	4				X	
APR 106 Plumbing Trade Introduction	2				X	
ART 117 Basic Design: 3-Dimensional	3		X	X	X	
ART 216 Digital Design Tools	3	X	X	X	X	
BA 101 Introduction to Business	4	X	X	X	X	
BT 165 Introduction to the Accounting Cycle	4	X	X	X	X	
CH 150 Preparatory Chemistry	3		X			
CIS 140W Introduction to Operating Systems: Windows Clients	4		X			<i>Digital Literacy</i>
CIS 195 Web Authoring 1	4		X	X	X	
COOP 206 Co-op Ed: Internship Seminar						
CS 120 Concepts of Computing: Information Processing	4	X	X	X	X	
CS 179 Introduction to Computer Networks	4	X	X	X	X	
CST 110 Blueprint Reading 1	3		X	X	X	<i>RD 087 and EL 115 OR prior college OR placement test</i>
CST 111 Construction Orientation and Environment	2		X			<i>RD 087 and EL 115 OR prior college OR placement test</i>
CST 116 Construction Estimating	4				X	<i>CST 110</i>
CST 118 Building Construction	5		X	X	X	<i>RD 087 and EL 115 OR prior college OR placement test</i>
CST 119 Building Construction Surveying	3				X	
CST 201 Sustainable Building Practices	3			X		
CST 211 Blueprint Reading 2	3		X	X	X	<i>CST 110</i>

DRF 160 Computer-Aided Drafting and Design	4		X	X	X	<i>Does not count as elective due to already being required for certificate</i>
DRF 205 Drafting: Structures	4		X			<u>DRF 160</u> , <u>MTH 075</u> and <u>MTH 085</u> , or instructor consent
DRF 207 Drafting: Strength of Materials	4			X		<u>MTH 075</u> , <u>MTH 085</u> , and <u>DRF 205</u>
DRF 210 Commercial Buildings	4		X			<u>DRF 160</u>
DRF 220 Building Information Modeling	4			X		
DS 154 Heavy Duty Braking Systems	1-12			X		
DS 257 Diesel Electrical Systems	1-12			X		
DS 259 Diesel Engines and Engine Overhaul	1-12				X	
ET 129 Electrical Theory 1	4		X			<u>RD 087</u> and <u>EL 115</u> OR prior college OR placement test
ET 130 Electrical Theory 2	4			X		<u>ET 129</u>
G 101 Earth's Dynamic Interior	4		X	X		
G 102 Earth's Dynamic Surface	4			X	X	
G 103 Evolving Earth	4				X	
GIS 151 Digital Earth	4		X			<u>MTH 060</u> or higher
GIS 245 GIS 1	4			X		<u>GIS 151</u>
HE 152 Drugs, Society, and Behavior	3	X	X	X	X	
HE 252 First Aid	3		X	X	X	
MFG 101 Safety and Basic Shop Practice	3		X	X	X	
MTH 060 Beginning Algebra	4		X	X	X	<u>MTH 020</u> OR placement test
MTH 075 Applied Algebra for Technicians	4		X		X	<u>MTH 020</u> OR placement test
MTH 085 Applied Geometry for Technicians	4	X	X	X	X	<u>MTH 075</u>
MTH 095 Intermediate Algebra	5	X	X	X	X	<u>MTH 065</u> OR <u>MTH 070</u> OR placement test
MUL 101 Introduction to Media Arts	3		X		X	
MUL 212 Digital Imaging	4		X	X	X	<u>ART 216</u>
NRG 121 Air Conditioning System Analysis	3				X	<u>PH 101</u> OR <u>PH 102</u>
NRG 124 Energy Efficiency Methods	4				X	<u>PH 102</u>
PH 101 Fundamentals of Physics	4		X			<u>MTH 052</u> or above OR placement test
PH 102 Fundamentals of Physics	4			X		<u>MTH 052</u> or above OR placement test
PH 103 Fundamentals of Physics	4				X	<u>MTH 052</u> or above OR placement test
PH 201 General Physics	5		X			<u>MTH 112</u> or above OR placement test
PH 202 General Physics	5			X		<u>PH 201</u>
PH 203 General Physics	5				X	<u>PH 202</u>

Fall	
DRF 160 Computer-Aided Drafting and Design	4
CS 120 Concepts of Computing	4
Winter	
CST 112 Construction Codes	2
DRF 121 Mechanical Drafting	4
Spring	
DRF 203 Electrical Drafting	2
DRF 245 Solid Modeling	4
DRF 137 Architectural Plans	4
Co-op 206 Co-op Ed: Internship Seminar	2
Summer	
NOTES:	
Grade Requirements: C- or better, or Pass.	
Students are encouraged to meet with academic advisor for term by term planning and review of myGrad plan	