

Drafting Degree Requirements by Term

2019-20

ONE-YEAR CERTIFICATE				AAS DEGREE			
Fall	First Year		Cr	Fall	First Year		Cr
	gen ed--computers	CIS 101/CS 120	4		gen ed--computers	CS 120	4
	gen ed--HR		3		gen ed--HR		3
	CAD	DRF 160	4	CAD	DRF 160	4	
	gen ed--math	MTH 075	4	gen ed--math	MTH 075	4	
			15			15	
Winter	Construction Codes	CST 122	2	Winter	Construction Codes	CST 122	2
	Mechanical Drafting	DRF 121	4		Mechanical Drafting	DRF 121	4
	Elective		4		Elective		4
	gen ed--math	MTH 085	4		gen ed--math	MTH 085	4
			14			14	
Spring	Solid modeling	DRF 245	4	Spring	Solid Modeling	DRF 245	4
	Shop Practices	ET 121	2		Shop Practices	ET 121	2
	Architectural Plans	DRF 137	4		Architectural Plans	DRF 137	4
	Co-op Seminar	COOP 206	2		Co-op Seminar	COOP 206	2
	gen ed--writing	WR 121	4		gen ed--writing	WR 121	4
			16				16
	Total		45		Total, first year		45
1-year certificate requirements: Math 3 Writing 3 Human Relations 3 + program requirements (Electives are listed below.)				Second Year Fall Structures DRF 205 4 Commercial Buildings DRF 210 4 Mechanical Design Skills DRF 235 4 Hydraulics DS 155 1 gen-ed health/PE 3 16 Winter Strength of Materials DRF 207 4 Machine Elements DRF 236 4 Bldg. Info. Modeling (BIM) DRF 220 4 Technical Writing WR 227 4 16 Spring Elective 3 or 4 Elective 3 or 4 Sustainable Bldg. Systems DRF 211 4 Co-op ENGR 280D 3 15 Total, second year 47			
				Total, both years 90-92			

ELECTIVES:

1-year certificate: Choose any one; must be 4 credits
 AAS degree: Choose any three

CIS, CS, and GIS courses

Digital Earth	GIS 151	4
GIS 1	GIS 245	4
Intro to Oper Sys: Windows	CIS 140W	4
Web Authoring 1	CIS 195	3
Intro to Computer Networks	CS 179	4

Media Arts courses

Three-Dimensional Design	ART 117	3
Digital Design Tools	ART 216	4
Intro to Media Arts	MUL 101	3
Digital Imaging	MUL 212	4

Science or technology courses

Preparatory Chemistry	CH 150	3	
Construction Estimating	CST 116	4	(4 hours, once a week)
Wire Drive Welding 1	WLD 143	4	
Fund of Metallurgy	WLD 151	3	
Safety/Basic Shop Prac	MFG 101	3	(Offered every term. Time is flexible.)
Heavy Duty Braking System	DS 154	3	(Variable credit. Runs 4 days/week)
Diesel Electrical Systems	DS 257	3	(Variable credit. Runs 4 days/week)
Diesel Engines	DS 259	3	(Variable credit. Runs 4 days/week)

AAS requirements:

Math	3
Writing	3
Arts & Letters (writing)	3
Health/PE	3
Human Relations	3
Sci/Math/Computer Science	3
+ program requirements	

Available any term:

gen ed--health/PE	3
gen ed--HR	3
gen ed--writing WR 121	4
Technical Writing WR 227	4
Co-op DRF 280	3

Human Relations courses

Courses which meet HR r
 BA 278
 CG 100
 CG 203
 COMM 130
 COMM 218
 COMM 219

CG 100 and 203 are 3 cre
 All the other HR courses a