CIVIL ENGINEERING AND SURVEYING TECHNICIAN, AAS

Prerequisites and Course Availability per Term

(for complete information, see 2015-2016 UCC Catalogue) **REVISED 02/10/15**

	Course No. and Course Name		Term Offered F	W	S	S	Credits	Prerequisites/Notes
Term 1	DRF 112	Computer Aided Drafting (CAD) I	x				3	
	ENGR 111	Engineering Orientation I	x				3	MTH 65 Elementary Algebra
	MTH 95	Intermediate Algebra	x	x	x	x	4	MTH 65 Elementary Algebra
	WR 121	English Composition, Intro to Argument	x	x	x	x	4	
		Human Relations Elective	x	x	x	x	3	
Term 2	DRF 113	Computer Aided Drafting (CAD) II		x			3	DRF 112 CAD I
	GIS 134	Intro to Geographic Information Systems (GIS)		x			3	
	ENGR 112	Engineering Orientation II		x			3	ENGR 112 Engineering Orientation I
	MTH 111	Algebra	x	x	x	x	5	MTH 95 Pre-Algebra
Term 3	CIV 114	CAD - Civil 3D			x		3	DRF 113 CAD I
	DRF 116	Structural Drafting			x		3	DRF 113 CAD II
	ENGR 245	Engineering Graphics			x		3	DRF 112 CAD I
	MTH 112	Elementary Functions	x	x	x	x	4	MTH 111 Algebra
	SUR 161	Surveying I			x		4	MTH 95 Pre-Algebra
Summer	CIV 280 or WQT 290	Cooperative Work Experience or In-Plant Practicum	x	x	x	x	3	
Term 4	ENGR 211	Statics	x				4	MTH 112
	SUR 162	Surveying	x				5	SUR 161
	WQT 261	Water Distribution	x				4	MTH 95
	CWE 161	CWE Seminar I	x	x	x		1	
		See Note Below						
Term 5	SUR 163	Surveying III		x			5	SUR 162
	WQT 227	Wastewater Treatment		x			3	MTH 95
	WQT 228	Wastewater Collection		x			3	MTH 95
	WR 227	Technical Report Writing	x	x	x	x	4	WR 122
		See Note Below						
Term 6	CIV 215	Contract Documents			x		3	ENGR 111
	CIV 223	Properties of Materials			x		4	MTH 95
	CIV 225	Municipal Engineering			x		3	DRF 114
	WQT 260	Water Treatment			x		3	MTH 95
	SUR 242	Land Descriptions & Cadastre			x		3	MTH 112
		TOTAL DEGREE CREDITS					96	

*A grade of "C" or better is required in all courses.

Program Advisor: Clay Baumgartner 541-440-4683 clay.baumgartner@umpqua.edu

NOTES:
Recommended that students consider taking MTH 251 Calculus I and MTH 252 Calculus II if potentially considering future transfer. Calculus is a pre-requisite for many engineering transfer courses, and provides students with additional problem solving skills and increased math aptitude

Last updated 3/12/2015