

CIVIL ENGINEERING AND SURVEYING TECHNICIAN, AAS
Applied Water Quality Technology Option

Prerequisites and Course Availability per Term
 (for complete information, see 2016-2017 UCC Catalogue)

REVISED 06/26/16

	Course No. and Course Name	Term Offered				Credits	Prerequisites/Notes			
		F	W	S	S					
Term 1	DRF 112	Computer Aided Drafting (CAD) I	x				3			
	ENGR 111	Engineering Orientation I	x				3	MTH 65 Elementary Algebra		
	GIS 203	The Digital Earth	x				4			
	WR 121	English Composition, Intro to Argument	x	x	x	x	4			
									14	
Term 2	DRF 113	Computer Aided Drafting (CAD) II		x			3	DRF 112 CAD I		
	ENGR 112	Problem Solving & Technology		x			3	ENGR 112 Engineering Orientation I		
	GIS 234	Intro to Geographic Information Systems (GIS)		x			4			
	MTH 111	Algebra	x	x	x	x	5	MTH 95 Pre-Algebra		
		Approved Human Relations Elective	x	x	x	x	3			
									18	
Term 3	CIV 214	CAD - Civil 3D			x		3	DRF 113 CAD I		
	ENGR 245	Engineering Graphics			x		3	DRF 112 CAD I		
	GIS 235	GIS Data Integration			x		4	GIS 234		
	MTH 112	Elementary Functions	x	x	x	x	4	MTH 111 Algebra		
	SUR 161	Surveying I			x		4	MTH 95 Pre-Algebra		
									18	
Summer										
									0	
Term 4	CIV, GIS, or WQT 280	CWE/Occupational Skills Training	x	x	x	x	8			
	WQT 261	Water Distribution	x				4	MTH 52		
	WR 227	Technical Report Writing	x	x	x	x	4	WR 121		
									16	
Term 5	CIV, GIS, or WQT 280	CWE/Occupational Skills Training	x	x	x	x	8			
	WQT 227	Wastewater Treatment			x		3	MTH 52		
	WQT 228	Wastewater Collection		x			3	MTH 52		
	CWE 161	CWE Seminar I	x	x	x		1			
									15	
Term 6	CIV, GIS, or WQT 280	CWE/Occupational Skills Training	x	x	x	x	8			
	WQT 260	Water Treatment		x			3	MTH 52		
	SP 111	Fundamentals of Public Speaking	x	x	x		4	WR 095		
									15	
TOTAL AAS DEGREE CREDITS							96			46

* WLD 131 Basic Metallurgy and WLD 140 Blue Print Reading and Sketching can be substituted for 3 credits of CWE 280
 Percentage of base 77%