

**CIVIL ENGINEERING AND SURVEYING TECHNICIAN, AAS**  
*Applied Surveying 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	MTH 65 Elementary Algebra	
	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		
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 50
Summer									
									0
Term 4	CIV, GIS, or WQT 280	CWE/Occupational Skills Training	x	x	x	x	8		
	SUR 162	Surveying II	x				4	SUR 161	
	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		
	SUR 163	Surveying III		x			4	SUR 162	
	CWE 161	CWE Seminar I	x	x	x		1		13
Term 6	CIV, GIS, or WQT 280	CWE/Occupational Skills Training	x	x	x	x	8		
	SUR 242	Land Descriptions & Cadastre			x		3	MTH 112	
	SP 111	Fundamentals of Public Speaking	x	x	x		4	WR 095	
								15	
<b>TOTAL AAS DEGREE CREDITS</b>							<b>94</b>	<b>44 94</b>	

\* WLD 131 Basic Metallurgy and WLD 140 Blue Print Reading and Sketching can be substituted for 3 credits of CIV 280  
Percentage of base 74%