

**SA COUNCIL FOR PROFESSIONAL AND TECHNICAL SURVEYORS
GUIDELINES FOR MINIMUM QUALIFICATION REQUIREMENTS FOR GISc REGISTRATION**

To be used in conjunction with knowledge area (KA) content specifications

Date Approved: 22 April 2015

One credit is considered to be 10 hours of notional learning

KA teaching may be included in more than one course / module

10% leeway per KA is allowed as long as there is no material impact on the qualification

Draft GISc academic model

	Technician		Technologist		Professional	
	NQF Level 6		NQF Level 7		NQF Level 8	
Knowledge area (KA)	KA total credits	%	KA total credits	%	KA total credits	%
Fundamental KAs						
GSc: Geographical science	24	10	24	7	24	5
MS: Mathematics and statistics	24	10	48	13	48	10
PS: Physical science	12	5	12	3	12	3
Core KAs						
AM: Analytical methods	18	8	32	9	48	10
CF: Conceptual Foundation	12	5	16	4	24	5
CV: Cartography and visualization	24	10	24	7	24	5
DA: Design Aspects	12	5	12	3	24	5
DM: Data modelling	12	5	24	7	36	8
DN: Data manipulation	12	5	24	7	24	5
GC: Geocomputation	12	5	24	7	36	8
GD: Geospatial data	36	15	56	16	72	15
GS: GI S&T and society	12	5	12	3	12	3
OI: Organizational and institutional aspects	12	5	12	3	12	3
Credits for specialisation in a maximum of three core KAs	10	4	20	6	48	10
Non-core KAs						
RM: Research Metodology	8	3	20	6	36	8
Total	240	100	360	100	480	100

Additional credits required at NQF level 7

120

Additional credits required at NQF level 8

120

Important changes to note:

1. The model include credits at under graduate and post graduate levels to cater for specialisation in a maximum of three KAs in addition to the 10% leeway per KA.

2. Research Methodology requires a technical report at Technician level, a project and report at technologist level and a mini thesis at professional level.