

SA COUNCIL FOR PROFESSIONAL AND TECHNICAL SURVEYORS

GUIDELINES FOR MINIMUM QUALIFICATION REQUIREMENTS FOR SURVEY/GEOMATICS REGISTRATION

To be used in conjunction with subject area content specifications

Date Approved: April 2015

One credit is considered to be 10 hours of notional learning.

Subject area teaching may be included in more than one course

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

		Technician		Surveyor		Eng. Surveyor		Land Surveyor	
		NQF LEVEL 6		NQF LEVEL 7		NQF LEVEL 8		NQF LEVEL 8	
SUBJECT AREA		Credits	%	Credits	%	Credits	%	Credits	%
Common Subject Areas									
1	Mathematics, Applied Mathematics and Statistics	36	15	48	13	60	13	60	13
2	Physics	12	5	12	3	24	5	24	5
3	Surveying	54	23	60	17	60	13	60	13
4	Information Technology	18	8	24	7	30	6	30	6
5	Geo-spatial Information Science	18	8	18	5	24	5	24	5
6	Photogrammetry and Remote Sensing	18	8	24	7	36	8	36	8
7	Coordinate Systems and Map Projections	12	5	18	5	18	4	18	4
8	Adjustments and Error Theory	12	5	24	7	36	8	30	6
9	Earth and Environmental Science	12	5	18	5	24	5	24	5
10	Business and Project Management	6	3	12	3	12	3	12	3
11	Professional Practice and Ethics	6	3	12	3	12	3	12	3
12	Category Specific Project / Research	30	13	36	10	36	8	36	8
13	Cadastral Studies and Land Tenure	6	3	12	3	12	3	36	8
14	Satellite Surveying and Geodesy			12	3	24	5	24	5
15	Land Management and Planning					12	3	18	4
16	Precise Engineering Surveying			24	7	48	10	24	5
17	3D Modelling /Cartography/visualisation			6	2	12	3	12	3
Total		240	100	360	100	480	100	480	100