

Degree of Bachelor of Science in Land Surveying

AES-BLS1 Structure of the degree

- (a) In order to complete the qualification a student shall obtain not less than 576 credits and shall complete the modules described in Rule AES-BL2.
- (b) Students registered for the first time from 2014 must pass or obtain credit for the ZULN101, unless otherwise exempted in terms of Rule GR8.

AES-BLS2 Bachelor of Science in Land Surveying Programme

Candidates shall obtain credit for the following modules:

Bachelor of Science in Land Surveying (Howard College)

YEAR 1

Semester 1		Semester 2	
ENCH1TC Tech. Comm. for Engineers	(8)	ENSV1G2 Geomatics 2	(16)
ENSV1G1 Geomatics 1	(16)	ENSV1GM Introduction to Geomorphology	(8)
MATH131 Mathematics 1A (Eng)	(16)	MATH141 Mathematics 1B (Eng)	(16)
MATH132 Applied Mathematics 1A (Eng)	(16)	MATH142 Applied Mathematics 1B (Eng)	(16)
PHYS151 Engineering Physics 1A	(16)	PHYS152 Engineering Physics 1B	(16)

YEAR 2

Semester 1	Semester 2
ENSV2SV Spatial Modelling and Visualisation (16)	ENSV2T2 Theory of Adjustments 2 (16)
ENSV2LY Layout Design (16C)	ENVS211 GIS (16)
ENSV2T1 Theory of Adjustments 1 (16)	LAWS2PR Property (16C)
MATH238 Mathematics 2A Eng (16)	ZULUN101 Basic isiZulu Language Studies A or Elective (16)
PHYS251 Optics and Wave Motion (8)	ENSV2SC Survey Camp 2 (in July vacation) (8)

YEAR 3

Semester 1	Semester 2
ENEL2CA Computer Methods 1 (8) or ENME2CF Computer Fundamentals (8)	ENSV3CS Cadastral Surveying 2 (16)
ENSV2CS Cadastral Surveying 1 (16)	ENSV3SE Engineering Surveying 2 (16)
ENSV2HY Hydrographic Surveying (16)	ENSV3SS Satellite Surveying (16)
ENVS316 GIS & Remote Sensing (16)	ENSV3CG Co-ord Systems & Geodetic Projs (16)
ENSV3PO Photogrammetry (16)	ENSV3SC Survey Camp 3 (in July vacation) (8)

YEAR 4

Semester 1	Semester 2
ENPD7PP Professional Practice (8)	ENEL4EB Engineering Business (8) or ENEL4EE Engineering Entrepreneurship (8)
ENSV4GY Geodesy (16)	ENSV4PE Precise Engineering Surveying (16)
ENSV4TN Land Tenure (16)	ENSV4PO Photogrammetry 2 (16)
ENPD3PL Project Planning (16)	ENSV4SP Surveying and Mapping Project (32)
ENSV4RM Research Methodology (8)	
ENSV4PL Planning Law (8)	