

APPENDIX A

DETAILS OF B.SURV.SC. DEGREE

3760

Surveying Science

Bachelor of Surveying Science
BSurvSc

The course consists of a mandatory program of 103 class contact hours including a General Studies program of 12 hours and an Elective Program of at least 77 hours. A student may undertake in any one session a load generally not exceeding 24 hours, comprising subjects from one or more of these programs, provided they are taken in sequence within each subject area and in accordance with their prerequisite and/or co-requisite requirements.

Mandatory Program

The mandatory program consists of the following subjects:

	Hours per week
1.971 Physics I	12
10.011 Mathematics I	12
29.001 Surveying I	4½
29.002 Surveying II	5
29.191 Survey Camp I	3
29.700 Professional Orientation	1½
1.962 Physics of Measurement**	3
10.022 Engineering Mathematics**	8
10.341A Statistics S.U. and B Parts A and B**	4
27.295 Physical Geography for Surveyors**	4
29.003 Surveying III	5
29.121 Electronics for Surveyors**	2
29.151 Survey Computations I	4
29.701 Seminar I	1
29.801 Cartography I	3
29.152 Survey Computations II	4
29.211 Geodesy I	4
29.511 Photogrammetry I	4
29.702 Seminar II	1
29.703 Seminar III	1
6.600 Introduction to Computing	5
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*Offered in Year 1 of the BSurv Course (3740).

†Offered in Year 2 of the BSurv Course (3740).

‡Offered in Year 3 of the BSurv Course (3740).

§Offered in Year 4 of the BSurv Course (3740).

**May be replaced by a similar subject at least equal in coverage of the topic. Any resulting additional contact hours may be used in satisfying the Elective Program.

Elective Program

This program consists of at least 18 hours (or 6 technical electives) selected from elective subjects of the final year of the BSurv course plus any subjects required as prerequisites for these electives and any combination of subjects offered by this University, the University of Sydney or Macquarie University provided that they are approved by the Head of School for the individual program of study. Such approval would require that a student follows a particular sequence of subjects within a selected area. This prescription means in effect that the elective component of the course can be varied to enable the student to choose the specialization that best suits his individual requirements so long as such specialization falls within the general disciplines associated with Surveying. Electives for such specialization may be chosen, for instance, from subject areas such as:

Cartography and Mapping Technology
Geography, Geographic Data Analysis, Mathematical Methods for Spatial Analysis
Town, Urban and Neighbourhood Planning
Geodesy, Geology, Earth Physics, Oceanography and Marine Science
Astronomy
Photogrammetry, Remote Sensing
Land Law, Title Concepts, Cadastral Surveying
Land Inventory
Land Development and Management
Building Economics
Accounting and Computer Applications

Illustrative examples of programs that could be taken are available from the School.

General Studies Program

This program consists normally of 4 General Studies subjects of 3 hours each (or their equivalent) and may be undertaken at any time during Years 2-4 of the Course, subject to the total load for a session (which as a rule should not exceed 24 hours).