



AND GLADLY TECHE

MACQUARIE UNIVERSITY

By authority of the Council

Stephen Robert Kingham

was admitted to the degree of

Bachelor of Science

on the ninth day of May 1991



Sydney, Australia

Vice-Chancellor

Registrar and Vice-Principal

MACQUARIE UNIVERSITY ACADEMIC RECORD

This academic record is produced by computer and contains no alteration or erasures

3 JUN 91

STEPHEN ROBERT KINGHAM

Student Number 83158693

e/Diploma BSC

Awarded 9 MAY 91

First Bachelor Degree Enrolment

Year	Course	School/Centre	Credit Points Gained/Enrolled
1983	BSC	MATH PHYS COMP +ELEC	11/11
1984	BSC	MATH PHYS COMP +ELEC	14/17
1985	BSC	MATH PHYS COMP +ELEC	7/ 7
	DISCONTINUED 16 AUG		
1986	BSC	MATH PHYS COMP +ELEC	10/10
1987	BSC	MATH PHYS COMP +ELEC	12/15
1988	BSC	MATH PHYS COMP +ELEC	7/ 7
1989	BSC	MATH PHYS COMP +ELEC	2/ 6
	DISCONTINUED 15 SEP		
1990	BSC	MATH PHYS COMP +ELEC	5/ 5
	SATISFIED REQUIREMENTS FOR BSC SENATE 20 DEC 90		

Unit Year	Enrolments Unit	Cr Pts	Unit Name	Grade	Cr Pts Gained
1983	COMP122	3	COMPUTING I	B	3
1983	ELEC190	3	ELECTRONICS I	A	3
1986	ELEC290	3	ELECTRONICS II	B	3
1987	ELEC372	4	DIGITAL DESIGN	C	4
1987	ELEC390	4	ELECTRONICS III	C	4
1990	ELEC266	2	SOUND AND VIDEO SYSTEMS	C	2
1984	GEO 213	3	CLIMATOLOGY	C	3
1987	GEO 393	4	APPLIED CLIMATOLOGY	C	4
1989	GEOS113	4	EARTH MATERIALS	F	
1989	GEOS229	2	INTRODUCTION TO SURVEYING	C	2
1990	GEOS112	3	THE PLANET EARTH	C	3
1986	GMN 130		BASIC SPOKEN GERMAN	W	
1983	MATH135	3	MATHEMATICS IA	C	3
1984	MATH136	3	MATHEMATICS IB	C	3
1984	MATH235	3	MATHEMATICS IIA	F	
1986	MATH235	3	MATHEMATICS IIA	B	3
1987	MATH236	3	MATHEMATICS IIB	F	

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3 JUN 91

SHEET 2

STEPHEN ROBERT KINGHAM

Student Number 83158693

e/Diploma
Awarded

First Bachelor Degree Enrolment (Continued)

Unit Year	Enrolments Unit	Cr Pts	Unit Name	Grade	Cr Pts Gained
1984	PHYS140	3	PHYSICS IA	B	3
1984	PHYS143	3	PHYSICS IB	C	3
1984	PHYS277	2	ASTRONOMY	B	2
1985	PHYS261	4	PHYSICS IIA	C	4
1986	PHYS262	4	PHYSICS IIB	C	4
1988	PHYS353	4	SOLID STATE PHYSICS	C	4
1983	STAT120	2	INTRODUCTORY STATISTICS	A	2
1985	STAT278	3	COMPUTER SIMULATION	B	3
1988	STAT378	3	STATISTICAL COMPUTING	CQ	3

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** END OF TRANSCRIPT

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B.J.SPENCER

Registrar and Vice-Principal

AND GLADLY TECHE

MACQUARIE UNIVERSITY – ACADEMIC RECORD

DEGREES AND DIPLOMAS AWARDED

The academic record shows the date on which the degree or the diploma was awarded by the University Council.

BACHELOR DEGREE COURSES

Requirements for each course are set out in the Bachelor Degree Regulations in the University Calendar.

Advanced Standing: Where a student has been granted credit for units completed in another tertiary institution or in Macquarie University as non-degree or non-award, the record shows the credit points granted and where relevant, the credit points to count towards particular awards.

Credit Points: Each undergraduate unit is given a credit point rating based on an assessment of the workload it involved. A full-time student normally enrolls in about 24 credit points in each year. Progress towards graduation is measured in terms of accumulated credit points.

Summary of Enrolment: For each year of pass bachelor degree enrolment, the course for which the student was enrolled, the School of Registration and the credit points gained and entered are shown. Academic comments appear after the year to which they relate.

Unit enrolments: The units in which the student was enrolled are grouped by the subject area of the unit (see CODING OF UNITS).

HIGHER DEGREE, GRADUATE DIPLOMA OR BACHELOR HONOURS COURSES

Higher degree programs of study and research are offered leading to the degree of Doctor of Philosophy, the degree of Doctor of Education, an honours degree of Master and a degree of Master. Master's degree are usually by coursework but may include a dissertation on a special topic. In some Schools a Master's degree may be undertaken mainly by research. A number of graduate diplomas are offered. Requirements for each course are set out in the University Calendar. Students may be required to undertake qualifying programs before admission to candidature for a higher degree or diploma.

The honours degrees in Arts, Economics, Science and Technology are separate degrees. Candidates must qualify for the BA, BEc, BSc or B.Tech before being admitted to the respective honours program. The classes of honours awarded are I (H1), II Division 1 (H21), II Division 2 (H22), and III (H3).

Course: A separate block of information is printed for each course undertaken.

Summary of Enrolment: For each year of enrolment in the course the attendance is shown together with any academic comments relating to that year.

Unit enrolments: The units in which the student was enrolled are grouped by subject area of the unit (see CODING OF UNITS).

NON-DEGREE AND NON-AWARD ENROLMENT

When a student has enrolled in one or more units which do not count for a degree or diploma these are shown in a separate block.

CODING OF UNITS

Each unit is identified by a code made up as follows –

(i)

(a) For units offered by Macquarie University, three or four letters to represent the subject area of the unit.

ACCG	Accounting	ECPR	Early Childhood Practicum	LAW	Law	POL	Politics
ACST	Actuarial Studies	EDPG	Education (postgraduate units)	LING	Linguistics	PSY	Psychology
ANCS	Anthropology and Comparative Sociology	EDUC	Education	LIT	Literature	PSYC	Psychology
AUDL	Audiology	ELEC	Electronics	LNED	Language Education	PSYP	Psychology
BHS	Behavioural Sciences – general units	ELM	English and Linguistics – general units	MAMS	Medieval Studies	RSN	Russian
BIOL	Biology	ENGL	English Literature	MAPH	Mathematics and Physics	SLN	Slovenian
BUSL	Business Law	ENV	Environmental Studies	MAS	Mass Communications	SLS	Slavonic Studies
CEU	Environmental and Urban Studies	EPG	Education (postgraduate units)	MATH	Mathematics	SOC	Sociology
CHEM	Chemistry	FRN	French	MCD	Macedonian	SRB	Serbian
CHIR	Chiropractic	GEO	Earth Sciences	MDLG	Modern Languages – general units	STAT	Statistics
CHN	Chinese	GEOS	Earth Sciences	MEDE	Early and Medieval English	TEP	Teacher Education
COMP	Computing	GMN	German	MGK	Modern Greek	THAI	Thai
CRO	Croatian	HIST	History	MGT	Management	TRS	Transport
DCL	Children's Literature	HPG	History (postgraduate)	MGTD	Management	UKR	Ukrainian
DEM	Demography	HPP	History, Philosophy and Politics – general units	MGTF	Management	URB	Urban Studies
ECED	Early Childhood Education	INDN	Indonesian	MIGR	Migration Studies	WST	Women's Studies
ECFS	Economical and Finance Studies – general units	ITL	Italian	OPTO	Optoelectronics		
ECON	Economics	JPN	Japanese	PHIL	Philosophy		
				PHYS	Physics		
				PLH	Polish		

(b) For units offered by other tertiary institutions, three or four letters to represent the institution.

ANU	Australian National University	UCB	University of California, Berkeley
CURT	Curtin University	UCLA	University of California, Los Angeles
CSU	Charles Sturt University	UCSB	University of California, Santa Barbara
DEAK	Deakin University	UCSD	University of California, San Diego
FLN	Flinders University	UNE	University of New England
KUR	Ku-ring-gai College of Advanced Education	UNSW	University of New South Wales
MURD	Murdoch University	UTS	University of Technology, Sydney
NWIT	New South Wales Institute of Technology	UWS	University of Western Sydney
QLD	University of Queensland	WOLL	University of Wollongong
SYD	University of Sydney		
SYDA	University of Sydney		

(ii) one digit to represent the level of the unit –

1 = 100 level (first year)	3 = 300 level (third year)	5 = 500 level (fifth year)
2 = 200 level (second year)	4 = 400 level (fourth year)	8 = 800 level postgraduate
	or BA/BEc/BSc, BTech (Honours)	

Grading System

(a) For units offered by Macquarie University.

Grade A denotes work of superior quality. This may be demonstrated in areas such as criticism, logical argument, interpretation of materials or use of methodology. This grade may also be awarded to recognise particular originality or creativity in student performance. Grade B denotes work of predominantly good quality, demonstrating a sound grasp of content together with efficient organisation, selectivity and use of techniques. Grade C denotes a clear pass and satisfactory achievement of unit objectives.

Grade CQ denotes, for a unit taken after 1982, a pass which is marginal.

Grade F indicates that the student has failed to complete the unit satisfactorily.

The letter I indicates that the unit is incomplete. The letter W denotes withdrawn without penalty.

Grade P represents a pass in a unit for which only one grade of pass is used.

Grade S represents attendance and satisfactory participation in a postgraduate seminar unit in which an examination was not required.

The letter K indicates that enrolment in a postgraduate unit or honours program continued over more than one calendar year.

The letter Z indicates that a thesis has been submitted and is being assessed.

(b) For units offered by other tertiary institutions.

Grade P indicates that the student has completed the unit satisfactorily. For specific grades refer to the transcript from that institution.

Grade F indicates that the student has failed to complete the unit satisfactorily.

The letter I indicates that the unit is incomplete. The letter W denotes withdrawn without penalty.

INSTITUTE OF EARLY CHILDHOOD

In 1990 the Institute of Early Childhood of the Sydney College of Advanced Education amalgamated with Macquarie University. There is a separate academic record for students enrolled in courses at the Institute prior to 1990.