



# THE EDUCATIONAL SYSTEM OF SCOTLAND

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**TAICEP ANNUAL CONFERENCE 2018**

**KATE FREEMAN**  
SENIOR CREDENTIAL ANALYST

SPANTRAN: THE EVALUATION  
COMPANY

**ALISTAIR WYLIE**  
HEAD OF QUALIFICATIONS

SCOTTISH QUALIFICATIONS  
AUTHORITY

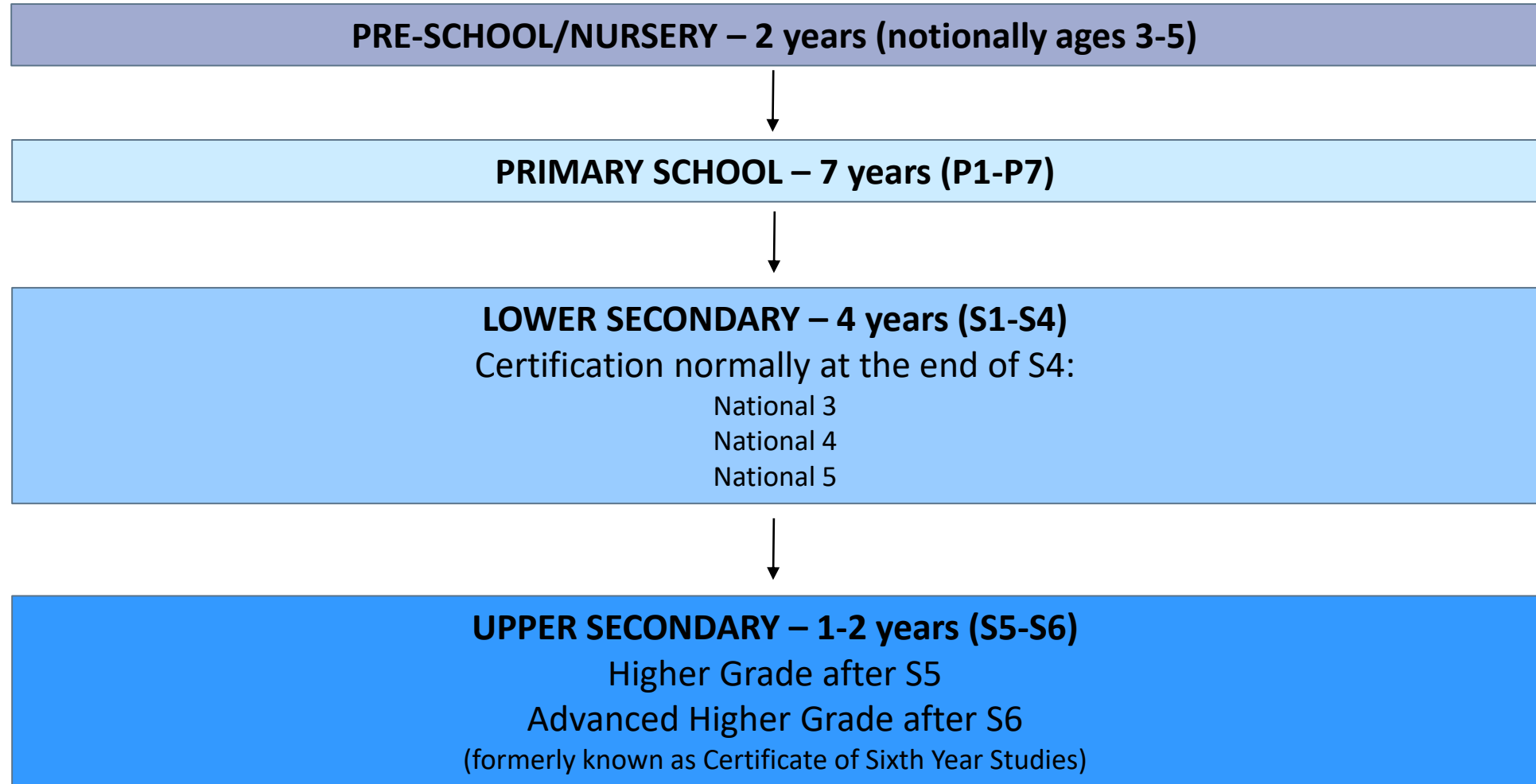




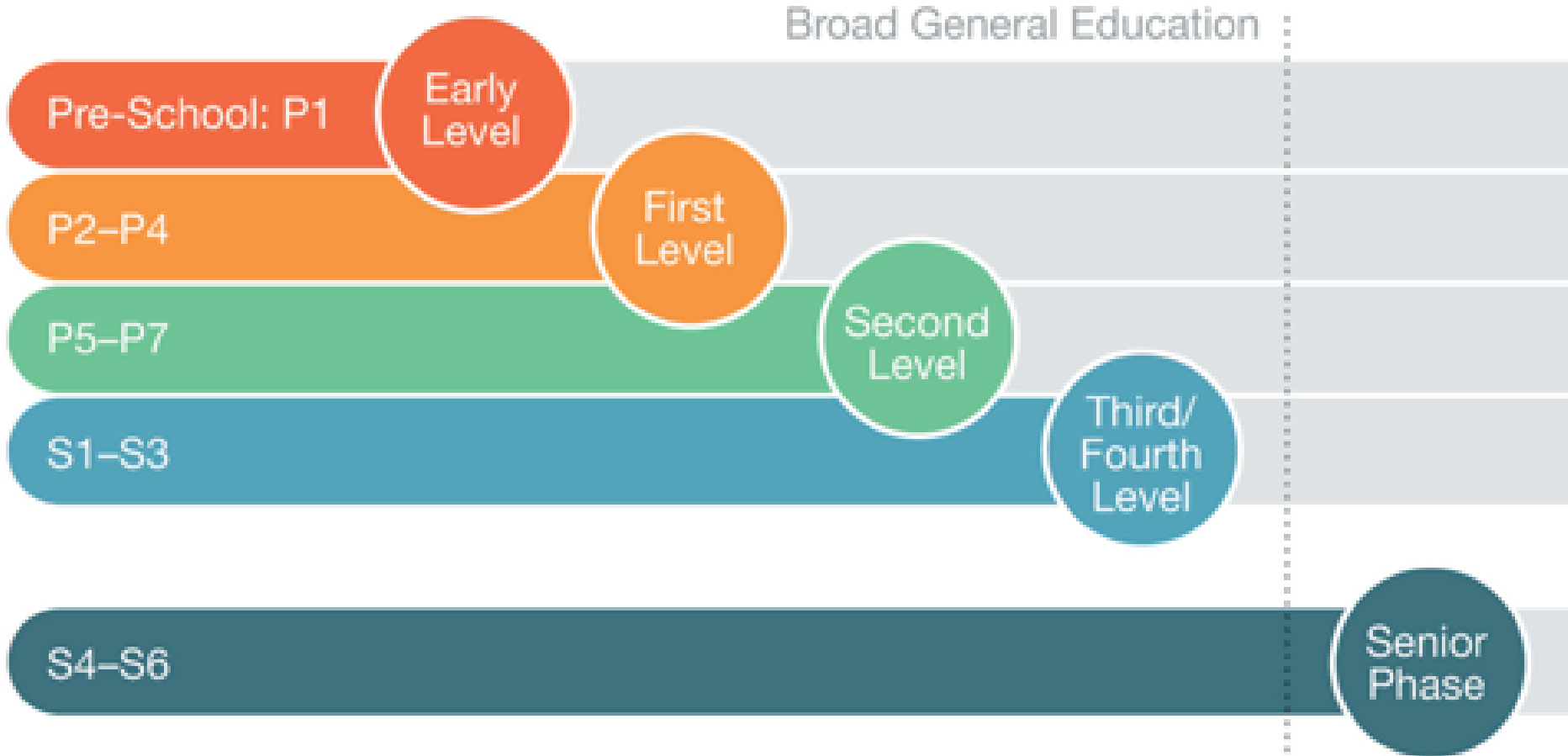
THE EDUCATIONAL SYSTEM OF SCOTLAND IS **NOT** THE SAME AS THE REST OF THE UNITED KINGDOM

- **12 YEARS OF PRIMARY-SECONDARY VS. 11 YEARS**
- **BREADTH OF STUDY AT SECONDARY LEVEL OVER MANY SUBJECTS VS. MORE IN-DEPTH STUDY OVER FEWER SUBJECTS**
- **BACHELOR OF ARTS – 3 YEARS ORDINARY OR 4 YEARS HONOURS OFFERED AT UNIVERSITIES**
- **MASTER OF ARTS AS A FIRST DEGREE AT ANCIENT UNIVERSITIES**

# Primary and Secondary Education



# curriculum for excellence



# curriculum for excellence



The main national qualifications awarded by SQA:

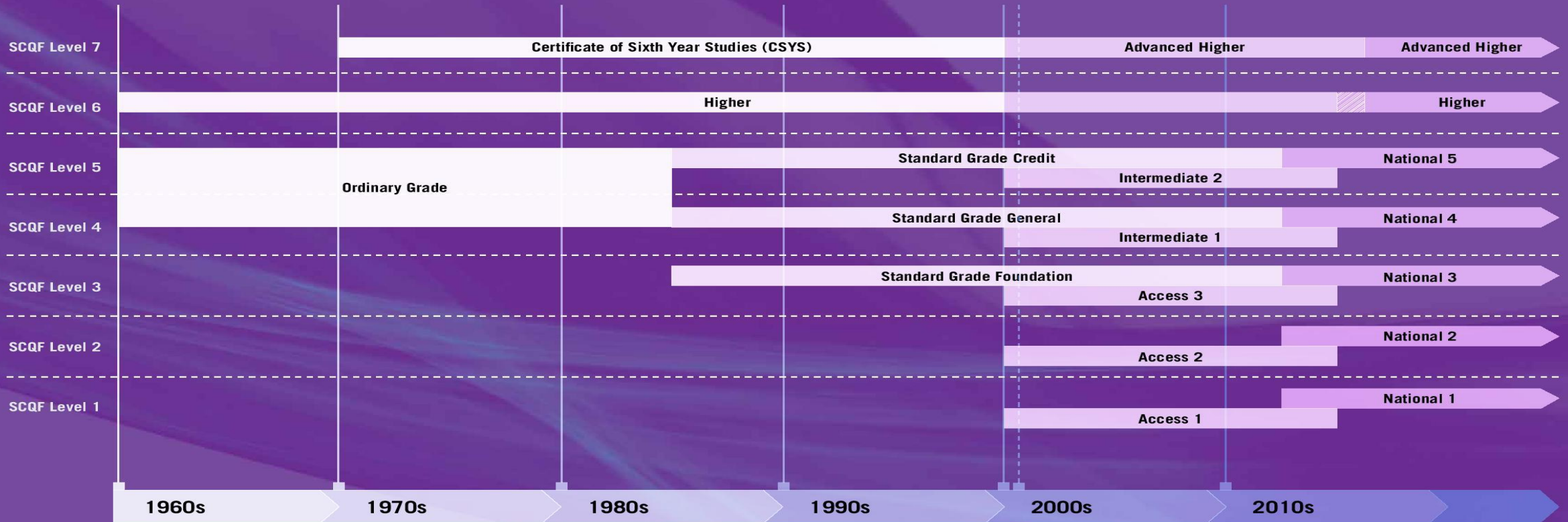
- Nationals – typically awarded for the first time at the end of S4
- Higher – known as the “Gold Standard” and typically awarded for the first time at the end of S5
- Advanced Higher – typically awarded for the first time at the end of S6

Other provision at school level includes:

- National Progression Awards
- National Certificate Awards
- Skills for Work

# SCOTTISH NATIONAL QUALIFICATIONS - SCQF LEVELS AND TIMELINES

This table shows how current and old qualifications relate to one another in terms of their SCQF level. The SCQF level of a qualification provides a way of comparing how demanding or difficult the learning involved in achieving a qualification is. This table can be used by anybody with a need to understand National Qualifications (normally awarded at school), for example employers when recruiting. More information on the SCQF can be found on our website ([www.scqf.org.uk](http://www.scqf.org.uk)). More information on current qualifications in the table can be found by visiting the SQA website ([www.sqa.org.uk/cfe](http://www.sqa.org.uk/cfe)).



2001: Creation of Scottish Credit and Qualifications Framework. All levels are approximate for qualifications delivered prior to this date.

# Primary and lower secondary education

## *Primary school 7 years (P1 – P7)*

- compulsory
- no certificate awarded
- national, standardized assessments introduced in 2017 after P1, P4, and P7
- English language of instruction; some schools use Gaelic as primary language of instruction

## *Lower secondary 4 years (S1 – S4)*

- compulsory
- offered at secondary schools
- **National 4 and National 5** qualifications are typically awarded for the first time at the end of S4
- S1-S3 is known as Broad General Education (BGE) with S4 marking the start of the Qualifications Stage in secondary school



# Lower and upper secondary qualifications framework

SCQF level	New National Qualification	Previous National Qualification
1	National 1	Access 1
2	National 2	Access 2
3	National 3	Access 3/Standard Grade (Foundation level)
4	National 4	Standard Grade (General level) / Intermediate 1
5	National 5	Standard Grade (Credit level) / Intermediate 2
6	Higher (new)	Higher
7	Advanced Higher (new)	Advanced Higher

National 2 and 3 courses consist of units that are not graded, but assessed as pass or fail

National 4 courses consist of units, plus an Added Value Unit, that are not graded, but assessed as pass or fail

National 5, Higher, and Advanced courses consist of units, plus a course assessment; units graded internally; course assessment graded externally by SQA; grading scale of A – D or “no award”

# Secondary education grading

- Grading only occurs in the qualifications phase from S4 onwards
- Course grading is certificated as follows:
  - Grade A >70%
  - Grade B 60-70%
  - Grade C 50-60%
  - Grade D 40-50% (note that under RNQ the Grade D has been extended from a 5% range to a 10% range and that whilst Grade D is not a pass, it is considered to be an award)
  - Bands 1-9 exist within the grading structure i.e. Grade A covers Bands 1 and 2, Grade B covers Bands 3 and 4 etc.

# Upper secondary education (senior phase)

- Optional
- Offered at secondary schools and sometimes in collaboration with further education colleges
- S5 – S6
- Scottish Qualifications Higher Grade Certificate awarded after S5
- S6 optional enrichment program (increasingly most students who complete S5 also remain for S6)
  - Scottish Qualifications Authority Advanced Higher Certificate (2000 to present)
  - Formerly Certificate of Sixth Year Studies (1970-2002)
  - Transfer credit/advanced standing usually not awarded for Advanced Higher subjects
  - Selective universities may give preference to Advanced Higher holders with preference over English A-Level qualifications

# Revised National Qualifications (RNQ) program running from 2018-2020

- Government instruction to SQA in September 2016 to commence work on removing Units from National 5 and Higher Courses
- Revisions taking place to National 5, Higher and Advanced Higher Courses and being implemented:
  - National 5 – Session 2017-2018
  - Higher – Session 2018-19
  - Advanced Higher – Session 2019-2020
- Impact of the removal of units:
  - Pass/fail of course now based on high stakes final examination plus submission of coursework (much of this coursework is now externally marked – previously internally assessed)
  - Strengthening of course assessment to maintain the validity and credibility of the qualifications

# Upper secondary education

## *Scottish Baccalaureates*

- Introduced in 2009
- S5 and S6
- Science, languages, expressive arts, social sciences
- Mandatory and other components
- 2 Advanced Highers, 2 Higher plus interdisciplinary project (Advanced Higher)

## Grading

- **Distinction:**
  - Grade A in one eligible Advanced Higher course
  - Grade A in one other components
  - Grade B or higher in all other mandatory components
- **Pass:**
  - Grade C or higher in all mandatory components and who do not meet distinction criteria



## Scottish Certificate of Education

The Scottish Examination Board hereby certifies that **1**

presented for the Scottish Certificate of Education in 1995 by **MONTROSE ACADEMY**

gained the following award(s):

Subject	Grade	Award	Profile of Performance (Standard Grade Only)
ENGLISH (REVISED)	Higher	C	
GEOGRAPHY	Higher	D	

  
Chief Executive

Scottish Certificate of Education Higher Grade



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### Test Sample A Certificate 12

SCN: 995045184

#### Summary of attainment up to August 2018

Qualification	Grade	Date	SCQF Level
<b>National Courses</b>			
Higher Drama	A	08/2018	6
Higher Mathematics	A	08/2018	6
Higher Physics	A	08/2018	6
Higher English	B	08/2018	6
Higher History	B	08/2018	6

  
Dr Janet Brown  
Chief Executive  
Scottish Qualifications Authority



1 of 1



SCOTTISH  
QUALIFICATIONS  
AUTHORITY

### Test Sample A Certificate 12

SCN: 995045184

#### Detailed record of attainment in August 2018

Code	Qualification	Grade	Date	SCQF Level	SCQF Credit Points
<b>National Courses</b>					
<b>CB21 76</b>	<b>Higher Drama</b>	<b>A</b>	<b>08/2018</b>	<b>6</b>	
XB21 76	Drama External Assessment	A	08/2018	6	24
<b>CB47 76</b>	<b>Higher Mathematics</b>	<b>A</b>	<b>08/2018</b>	<b>6</b>	
XB47 76	Mathematics External Assessment	A	08/2018	6	24
<b>CB57 76</b>	<b>Higher Physics</b>	<b>A</b>	<b>08/2018</b>	<b>6</b>	
XB57 76	Physics External Assessment	A	08/2018	6	24
<b>CB24 76</b>	<b>Higher English</b>	<b>B</b>	<b>08/2018</b>	<b>6</b>	
XB24 76	English External Assessment	B	08/2018	6	24
J001 76	English: Spoken Language	B	08/2018	6	
The Higher English Course includes a demonstration of skills in Spoken Language (Talking and Listening)					
<b>CB37 76</b>	<b>Higher History</b>	<b>B</b>	<b>08/2018</b>	<b>6</b>	
XB37 76	History External Assessment	B	08/2018	6	24

  
Dr Janet Brown  
Chief Executive  
Scottish Qualifications Authority



1 of 1



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### Test Sample A Certificate 12

SCN: 995045184

#### Profiles up to August 2018

Core Skills	SCQF Level	Date
<b>Core Skill - Communication</b>		
Oral Communication	6	08/2018
Written Communication	6	08/2018
<b>Core Skill - Numeracy</b>		
Using Graphical Information	6	08/2018
Using Number	6	08/2018
<b>Scottish Credit and Qualifications Framework</b>	<b>SCQF Level</b>	<b>Date</b>
<b>Credit Points</b>		
120	6	08/2018

  
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Chief Executive  
Scottish Qualifications Authority



1 of 1

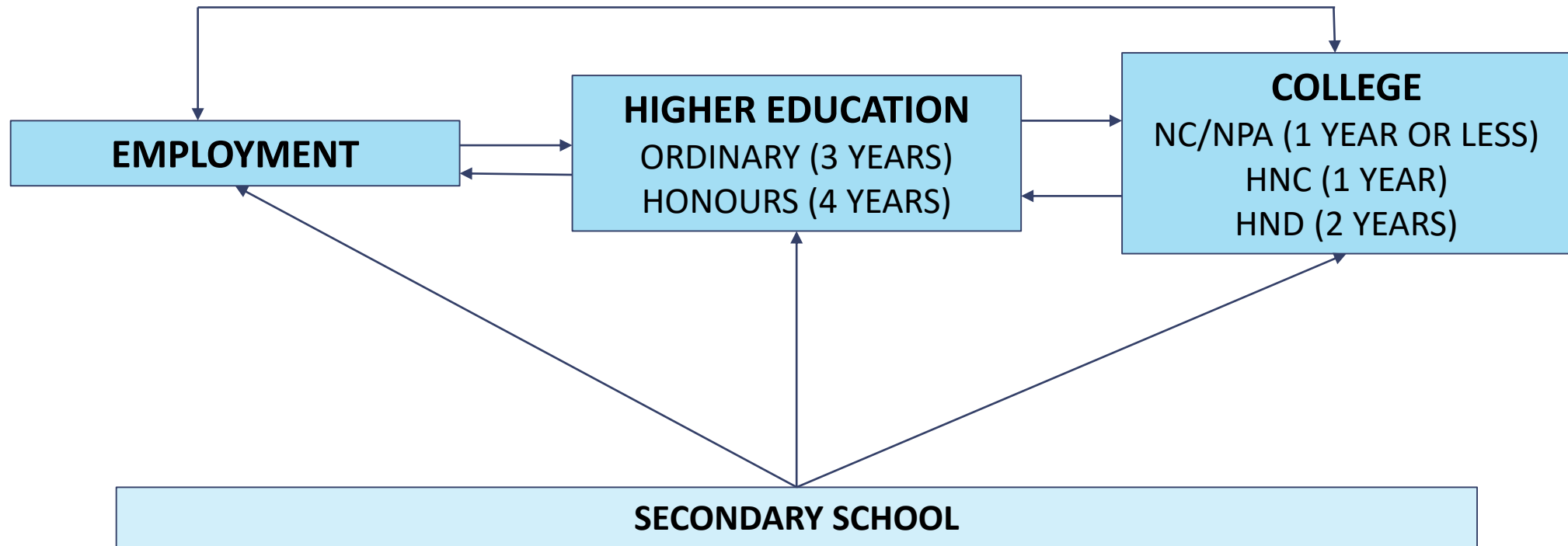
Scottish Qualifications Authority Higher Grade Certificate

# Vocational secondary

- Vocational qualifications are offered in secondary school – often delivered in partnership with further education colleges
- These qualifications are not graded
- Typically sit at SCQF levels 4, 5 and 6
- Provides alternative provision and pathways outwith the usual National Qualifications – National 5, Higher, Advanced Higher
- Examples of areas include computer game design, cyber security, data science, beauty therapy, photography.

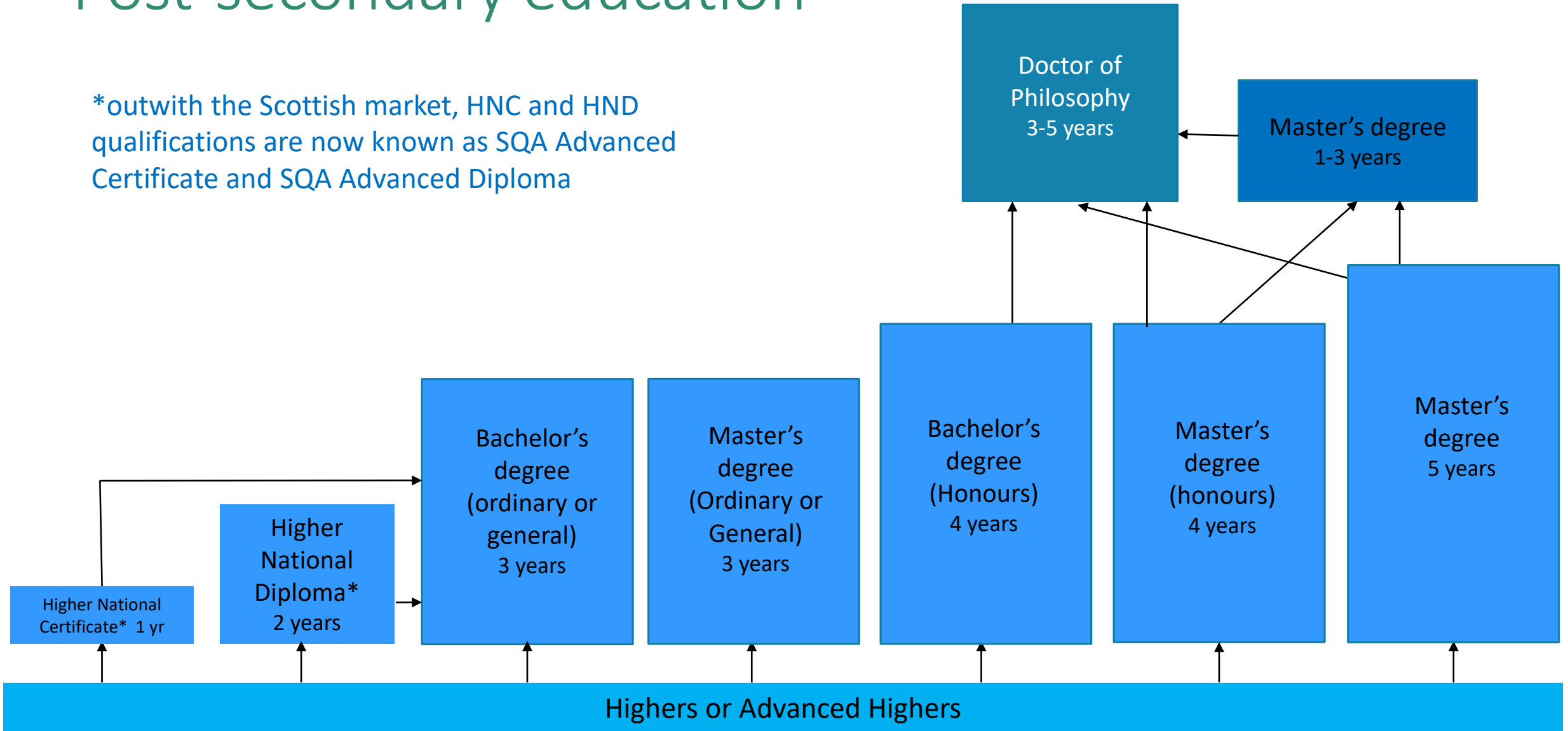


# Post-secondary options



# Post-secondary education

\*outwith the Scottish market, HNC and HND qualifications are now known as SQA Advanced Certificate and SQA Advanced Diploma



# SQA Advanced Certificates and Diplomas

- As of 1 January 2019, all centres outside Scotland must enter students for:
  - SQA Advanced Certificate (previously HNC)
  - SQA Advanced Diploma (previously HND)
- Students already entered for HNC and HND programmes will continue to be certificated as such up until 31 December 2021
- Merely a title change outwith Scotland
- Aims, principles, standards etc remain the same

# Post-secondary education

26 colleges

- Vocational
- Further education
- Higher education
- 13 college regions
- Higher National qualifications
- Degrees
- In 2018, there were 235,737 students participating in learning in Scotland's colleges
- 97% of all learning hours lead to a recognized qualification
- 95% of those achieving qualifications progress to a positive destination
- 75% continue to further studies

# Higher National Qualifications

## Introduced in the 1920s

- Offered at further education colleges, some universities, and training centers
- Practical and theoretical training
- 250 courses (business, engineering, hospitality, paralegal, ...)
- Designed to prepare middle managers and technicians

## Higher National Certificate

- 1 year
- Leads to employment and may lead to direct entry to 2<sup>nd</sup> year of degree program

## Higher National Diploma

- 2 years
- Partnership with colleges, universities and employers
- Leads to employment and may lead to direct entry to 3<sup>rd</sup> year of degree program



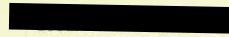
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AUTHORITY

**HIGHER NATIONAL CERTIFICATE**

IN

**MUSICAL THEATRE**

**AWARDED TO**



JUNE 2012

Chief Executive  
Scottish Qualifications Authority

Code: G812 15  
SCN: 054730144



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This document is issued to certify that



has achieved the

**Higher National Diploma**

**Graphic Design for Print and New Media**

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Chief Executive  
Scottish Qualifications Authority

Scottish Candidate Number:

Issued: 18 September 2002



# Universities

19 autonomous higher education institutions

- 14 universities; 1 distance-learning university, 1 educational partnership, 1 art school, 1 conservatory, 1 agricultural college

Autonomous, but all public and funded by the Scottish Funding Council

2015-16: 235,565 university students

- 66% Scotland
- 13% non-European Union
- 12% England, Wales, Northern Ireland
- 9% European Union
- 76% undergraduate
- 24% graduate
- 75% full-time

2015: #2 in number of universities ranked in top 200 per capita

No fees for Scottish and EU full-time undergraduates (up to £9,000 for rest of UK)

# Universities

## Ancient universities:

- University of St. Andrews (1411)
- University of Glasgow (1451)
- University of Aberdeen (1495)
- University of Edinburgh (1582)

## Old universities:

- Heriot-Watt University (1821)
- University of Dundee (1881)
- University of Strathclyde (1964)
- University of Stirling (1967)
- The Open University in Scotland (1969)

## 1992 universities:

- University of Abertay Dundee
- Glasgow Caledonian University
- Napier University
- University of Paisley
- The Robert Gordon University

## 2001

- University of the Highlands and Islands (federation of 13 colleges and research institutions)



# Undergraduate

## *Intermediate awards*

- Awarded after sufficient credits have been earned in a program
- Not automatically awarded; must apply for and pay a fee

## **Certificate of Higher Education**

- 1 year/120 SCQF credits

## **Diploma of Higher Education**

- 2 years/240 SCQF credits



# The University of Dundee

In exercise of powers granted by Royal Charter and with the authority of the Senatus Academicus the University has conferred the Diploma of Higher Education in Nursing

in ADULT NURSING

upon



In witness whereof the  
Common Seal of the University  
is affixed hereto

9 July 1999

*John Lee*  
Secretary

## Diploma of Higher Education



### School of Nursing and Health Sciences University of Dundee

#### ACADEMIC TRANSCRIPT

Student Name

Date of Birth 25 June 1971 Professional Identification Number 96B00415

Course of Study DIPLOMA OF HIGHER EDUCATION IN NURSING (ADULT NURSING)

Period of Study Commenced: 26 February 1996  
Completed: 19 February 1999 Mode of Course Full Time

Site University of Dundee, School of Nursing and Midwifery

#### COMPONENTS OF COURSE ACHIEVED

Term	Theory (Hours)	Practice (Hours)	Assessment	Credit
One	344	315	Neighbourhood Study	40 SHE1
Two	376	285	Life Sciences Exam Paper Social Science Essay	60 SHE1
Three/Four	472	830	Nurse Care Study Life Sciences Essay Two Examination Papers	20 SHE1 40 SHE2
Five	360	242.5	Care Study or Nursing Essay	40 SHE2
Six	336	247.5	Social Sciences Essay Care Study or Nursing Essay	40 SHE2
Seven	280	525	Health Project/Package	30 SHE3
Eight	176	735	Two Examination Papers	30 SHE3

#### Total Academic Credit within the Scottish Credit & Qualifications Framework:

Scottish Higher Education Level 1/Scottish Credit & Qualifications Framework Level 7:	120
Scottish Higher Education Level 2/Scottish Credit & Qualifications Framework Level 8:	120
Scottish Higher Education Level 3/Scottish Credit & Qualifications Framework Level 9:	60

Signature *John Lee*  
Mr. John Lee. Head of Undergraduate Studies

Date of Issue 26 June 2018

# Undergraduate

## **Bachelor's degree/Master's degree (Ordinary or General)**

- 3 years
- Study different subjects without specialization

## **Bachelor's degree (Honours)**

- 4 years
- More in-depth with specialization in Year 4

## **Master of Arts (Honours), Master of Science (Honours)**

- Awarded by ancient universities and University of Dundee
- 4 years
  - 3 subjects in year 1, 2 subjects in year 2
  - 3<sup>rd</sup> and 4<sup>th</sup> years – specialization in 1 subject
  - Specialization in 2 subjects = Joint Honours degree

## **Master's degree**

- 5 years
- Awarded in languages (includes a year abroad) and rigorous, enhanced engineering and science programs



# UNIVERSITY OF ABERDEEN

By authority of the Senatus Academicus  
the Degree of

## Bachelor of Science

DESIGNATED

ANIMAL CARE

was conferred upon



on 8 July 2003

Replacement Issued 5 February 2014

Principal & Vice-Chancellor

University Secretary



# UNIVERSITY OF ABERDEEN

Telephone 01224 273580 Fax 01224 272050 Email: studentrecords@abdn.ac.uk

PLEASE KEEP THIS DOCUMENT SAFELY - IT CANNOT BE EASILY REPLACED

## STUDENT TRANSCRIPT

Name: SCRIMSHAW Date of Birth: 14 JUN 1982  
Student Id Number:  
UK Higher Education Unique Student Identifier:  
Programme Of Study: DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN ANIMAL CARE  
Period(s) of Registration: 01 OCT 2000 - 08 JUL 2003  
Date of Graduation: 08 JUL 2003  
Classification:

Session	Class Title	Credit Value	CAS Mark	Merit Certificate
2000	AG1503 SCIENCE OR RENEWABLE RESOURCES; FOOD, TIMBER AND THE CONSUMER	20	10	
2000	BI1003 ORGANISMS AND THEIR ENVIRONMENT	20	09	
2000	CL1001 SMALL ANIMAL NUTRITION (1480778)	8	13	
2000	CL1002 ANIMALS IN SOCIETY (1550097)	4	17	2ND CLASS
2000	CL1003 ANIMAL HEALTH AND WELFARE (1550107)	8	17	2ND CLASS
2000	CL1004 MICROBIOLOGY: AN INTRODUCTION (7612377)	8	16	2ND CLASS
2000	CL1005 ANIMAL ANATOMY & PHYSIOLOGY (DC5604)	16	14	
2000	CL1006 SUPERVISION AND MANAGEMENT (6400159)	8	12	
2000	CL1008 CUSTOMER CARE (6660015)	8	12	
2000	CS1508 INFORMATION TECHNOLOGY 1	10	11	
2000	CS1801 INFORMATION TECHNOLOGY 2	10	13	
2001	BI2021 VERTEBRATE ZOOLOGY	15	11	
2001	BI2504 INFECTION, DISEASE AND DEFENCE	15	13	
2001	BI25A2 NUTRITION AND THE FOOD CHAIN	15	13	
2001	CL2001 ANIMAL NURSING: AN INTRODUCTION (1550117)	8	16	2ND CLASS
2001	CL2002 ANIMAL NURSING (1550127)	8	18	1ST CLASS
2001	CL2003 ANIMAL PHARMACOLOGY (1550137)	8	16	2ND CLASS
2001	CL2004 BREEDING COMPANION ANIMALS (7350055)	8	15	2ND CLASS
2001	CL2005 INTRODUCTION TO GENETICS (7611846)	8	11	
2001	CL2007 SPECIALIST ANIMAL CARE: REPTILES AND AMPHIBIANS (1550168)	4	16	2ND CLASS
2001	CL2011 SPECIALIST ANIMAL CARE: ANIMAL COLLECTIONS (1550208)	8	13	

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The University of Aberdeen is a charity registered in Scotland, No: SC013683



# UNIVERSITY OF ABERDEEN

Telephone 01224 273580 Fax 01224 272050 Email: studentrecords@abdn.ac.uk

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## STUDENT TRANSCRIPT

Session	Class Title	Credit Value	CAS Mark	Merit Certificate
2001	CL2014 PLANNING OF ANIMAL CARE FACILITIES (4640678)	8	14	
2002	AG3027 ANIMAL NUTRITION SCIENCE	15	12	
2002	AG3028 ANIMAL WELFARE	15	11	
2002	AG3530 ANIMAL HEALTH	15	15	2ND CLASS
2002	AG3810 EQUINE SCIENCE	15	13	
2002	AG3811 ANIMAL CARE	15	12	
2002	BI20M2 FOUNDATION MICROBIOLOGY	15	09	
2002	CL3001 CLINTERTY WORK PLACEMENT (7650506)	16	16	2ND CLASS
2002	LM3504 SKILLS FOR LAND MANAGERS	15	17	2ND CLASS
2002	ZO3302 ENVIRONMENTAL PHYSIOLOGY	15	14	

Signed:

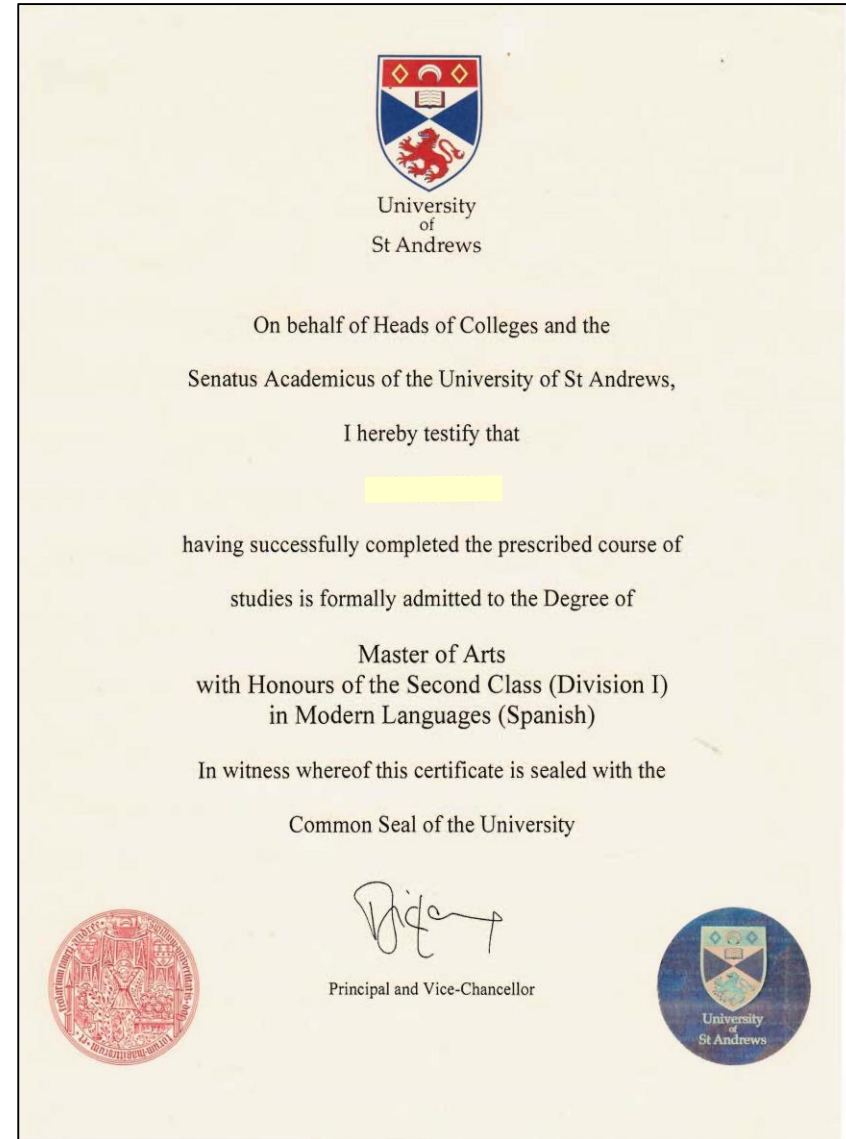
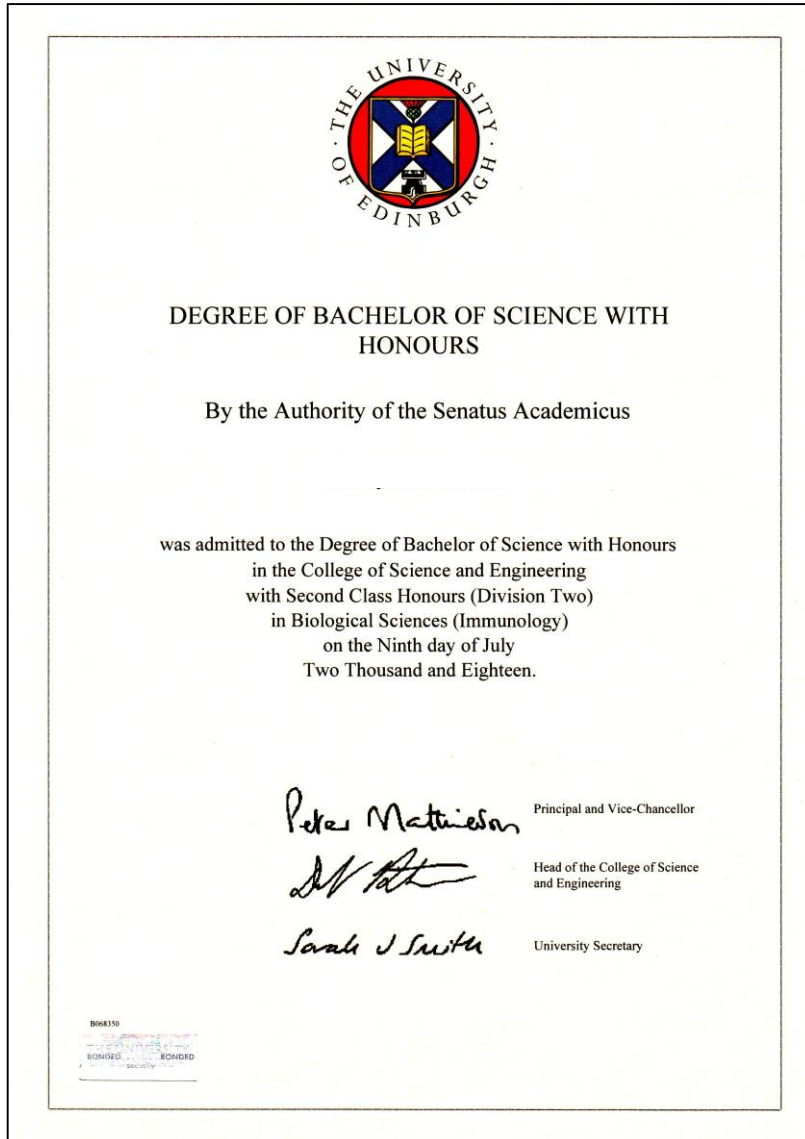
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## Bachelor of Science - years



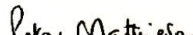
Bachelor of Science Honours from an ancient university    Master of Arts Honours from an ancient university




DEGREE OF BACHELOR OF SCIENCE WITH  
HONOURS

By the Authority of the Senatus Academicus

was admitted to the Degree of Bachelor of Science with Honours  
in the College of Science and Engineering  
with Second Class Honours (Division Two)  
in Biological Sciences (Immunology)  
on the Ninth day of July  
Two Thousand and Eighteen.

 Principal and Vice-Chancellor

 Head of the College of Science  
and Engineering

 University Secretary



HE  
AR | Higher  
Education  
Achievement  
Report

Date Produced: 17/08/2018

Information identifying the holder of the qualification

Full Name:

Date of Birth:

Matric / HUSID Number:

HUSID (HESA Unique Student Identifier) is the unique identifying number for students registered at a UK university. It is defined by the UK's Higher Education Statistics Agency

Information identifying the qualification

Name of qualification and (if applicable) title conferred: Bachelor of Science with Honours; Second Class, Division 2  
(The power to award degrees is regulated by law in the UK.)

Main field(s) of study for the qualification: Biological Sciences (Immunology)

Name and status of awarding institution: The University of Edinburgh  
(The University of Edinburgh is a recognised body granted powers by the Privy Council to award degrees.)

Language(s) of instruction/examination: English

Information on the level of the qualification

Level of qualification: SCQF level 10

Official length of programme: 4 Years

Access requirement(s): Detailed information regarding admission to the programme is available in the University's  
[Prospectus](#)

Information on the contents and results gained

Mode of study: Full-time

Programme requirements: <http://www.drps.ed.ac.uk/17-18/dps/utbsimm.htm>

Information on the function of the qualification

Access to further study:

Professional status (if applicable): Not applicable

Further Information Sources

Further information sources: <http://www.ed.ac.uk/schools-departments/biology>

Any enquiries regarding the above should be addressed to: Biology Teaching Organisation, School of Biological Sciences, Room 2105, James Clerk Maxwell Building, King's Buildings, Peter Guthrie Tait Road, Edinburgh, EH9 3FD; Tele: +44 (0) 131 650 8638; Web: <http://www.ed.ac.uk/schools-departments/biology>; email: [bto@ed.ac.uk](mailto:bto@ed.ac.uk)

Further information regarding the University of Edinburgh HEAR: <http://www.ed.ac.uk/schools-departments/student-administration/other-info/overview>

This Higher Education Achievement Report incorporates the model developed by the European Commission, Council of Europe and UNESCO/CEPS for the European Diploma Supplement. The purpose of the report is to provide sufficient recognition of qualifications (diplomas, degrees, certificates etc). It is designed to provide a description of the nature, level, context and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this report should be appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should be given.

Date Produced: 17/08/2018

Programme details, and the individual grades/marks/credits obtained

Programme Start Date: 15 September 2014

Qualification Conferred Date: 9 July 2018

Qualification Conferred: Bachelor of Science with Honours

Qualification Subject: Biological Sciences (Immunology)

Overall Classification of the Qualification: Second Class, Division 2

Academic Year	Code	Name	Mark	Grade	Result	SCQF Level	No. of attempts	Credits Achieved*
2014/15	BILG08001	Origin and Diversity of Life 1	69	B	P	08	1	20
2014/15	BILG08008	Quantification in the Life Sciences 1	46	D	P	08	1	20
2014/15	BILG08015	Molecules, Genes and Cells 1	57	C	P	08	1	20
2014/15	BIME08004	Medical Biology 1	61	B	P	08	1	20
2014/15	CHEM07001	Introductory Chemistry for Biologists	62	B	P	07	1	20
2014/15	CHEM08023	Biological Chemistry 1B	46	D	P	08	1	20
								Sub Total: 120
2015/16	BILG08003	Genes and Gene Action 2	49	D	P	08	1	20
2015/16	BILG08009	The Dynamic Cell 2	58	C	P	08	1	20
2015/16	BIME08007	Biomedical Sciences 2	57	C	P	08	1	40
2015/16	BIME08011	Cells to Organisms 2	72	A3	P	08	1	20
2015/16	BIME08012	Microorganisms, Infection and Immunity 2	57	C	P	08	1	20
2015/16	ELCG07009	Foundation German Language 1	64	B	P	07	1	20
								Sub Total: 140
2016/17	BILG09007	Immunology 3	66	B	P	09	1	20
2016/17	BILG09013	Molecular Microbiology 3	57	C	P	09	1	20
2016/17	BIME09002	Medical Microbiology 3	63	B	P	09	1	20
2016/17	BIME09008	Biomedical Sciences 3	56	C	P	09	1	40
2016/17	MSBM09004	Clinical Immunology and Haematology 3B	53	C	P	09	1	20
								Sub Total: 120
2017/18	IMMU10001	Immunobiology	58	C	P	10	1	10
2017/18	IMMU10003	Molecular Immunology	40	D	P	10	1	10
2017/18	IMMU10009	Immunology Synoptic Examination	55	C	P	10	1	10
2017/18	IMMU10011	Stem cells, haematopoiesis and immune therapy	55	C	P	10	1	10
2017/18	IMMU10012	Therapeutic Immunology	59	C	P	10	1	10
2017/18	IMMU10013	Th2 in Immunity, Allergy and Health	61	B	P	10	1	10
2017/18	IMMU10014	Immunology Research Project	61	B	P	10	1	60
								Sub Total: 120
								Total: 500

\* 1 European Credit Transfer Scheme (ECTS) credit = 2 University of Edinburgh credits

Additional Information

Prizes and Medals: None awarded

Additional Recognised Activities:

2015/16:

2017/18:

2017/18:

Additional Notes: None recorded

Certification:



Lisa Dawson, Head of Student Administration Services



## SCOTTISH VOCATIONAL EDUCATION COUNCIL

### HIGHER NATIONAL DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING

This is to certify that  
has gained the above named award having satisfactorily completed a course of study which comprised the following subjects:

Subject	Grade	Date
132-01 Mathematics III	3	May 1988
132-02 Electrotechnology III	2	May 1988
132-03 Project	2	May 1988
132-04 Complementary Studies III	6	May 1988
132-05 Control Systems	3	May 1988
132-08 Communications	1	May 1988
132-09 Digital Systems & Computer Technology	4	May 1988

Date 19 August 1988

Reference 132/096/8709725

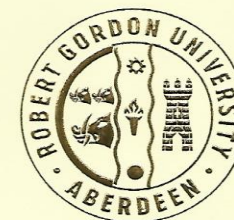
*J. W. Cool*  
Chief Executive

Bachelor of Science with advanced standing awarded for HND



We the undersigned Chancellor and  
Principal and Vice-Chancellor of the University  
certify that

has been awarded the degree of  
BACHELOR OF SCIENCE (ENGINEERING) WITH DISTINCTION  
having followed an approved programme in  
ELECTRONIC AND ELECTRICAL ENGINEERING  
4 June 2009



*Sir Ian Wood*  
Sir Ian Wood  
Chancellor

*R.M. Pittilo*  
Professor R. Michael Pittilo  
Principal and Vice-Chancellor

9834427

Contact: records@rgu.ac.uk

### EUROPEAN DIPLOMA SUPPLEMENT: RECORD OF LEARNING AND ACHIEVEMENT

**Name of Student**  
University Reference  
Course of Study  
School

ELECTRONIC AND ELECTRICAL ENGINEERING  
SCHOOL OF ENGINEERING

Date of Birth  
Language of Instruction  
Language of Assessment  
Mode of Attendance

14/Jun/1967  
ENGLISH  
ENGLISH  
STRUCTURED PT



2007	LEVEL	ELECTRONIC AND ELECTRICAL ENGINEERING	ATTEMPT NO	GRADE	CREDITS		RESULT
					SCQF	ECTS	
EN2562	SCQF8	ELECTRICAL SYSTEMS	1	A	15	7.5	P
EN3510	SCQF9	DIGITAL ELECTRONICS	1	A	15	7.5	P
EN3541	SCQF9	EMBEDDED SYSTEMS	1	A	15	7.5	P
EN3800	SCQF9	PROJECT MANAGEMENT, TEAM-WORKING AND LEADERSHIP	1	C	15	7.5	P

2008	LEVEL	ELECTRONIC AND ELECTRICAL ENGINEERING	ATTEMPT NO	GRADE	CREDITS		RESULT
					SCQF	ECTS	
EN3500	SCQF9	SIGNAL ACQUISITION, INSTRUMENTATION AND CONTROL	1	A	15	7.5	P
EN3511	SCQF9	ANALOGUE ELECTRONICS	1	A	15	7.5	P
EN3531	SCQF9	DATA NETWORKS	1	A	15	7.5	P
EN3602	SCQF9	INTEGRATIVE ENGINEERING PROJECT	1	A	15	7.5	P

Qualification Attained: BACHELOR OF SCIENCE (ENGINEERING) IN ELECTRONIC AND ELECTRICAL ENGINEERING WITH DISTINCTION

**Grades**

**A:** Excellent - Outstanding Performance  
**B:** Commendable/Very Good - Meritorious Performance  
**C:** Good - Highly Competent Performance  
**D:** Satisfactory - Competent Performance  
**E:** Borderline Fail  
**F:** Unsatisfactory - Fail  
**CT:** Credit Transfer  
**NS:** Non-Submission

**Key**

**P:** Pass  
**F:** Fail  
**CP:** Condoned Pass  
**M:** Medical/Mitigating Circumstances  
**Q:** Qualifying Failure  
**D:** Defer  
**R:** Resit/Reassessment  
**TS:** Temporary Suspension of Studies

**WD:** Withdrawn  
**ECTS:** European Credit Scheme  
**SCQF:** Scottish Credit and Qualifications Framework

Date Issued: 30 June 2009

Professor R Michael Pitillo  
Principal and Vice Chancellor

Sir Ian Wood  
Chancellor





ROYAL  
COLLEGE  
OF  
MUSIC

*This is to certify that*

has been admitted to the degree of

Bachelor of Music (Honours)

Lower Second Class

8 July 2005

Director

Clerk to Council

**Bachelor of Music**

# Graduate

*Intermediate awards*

## **Postgraduate Certificate**

- Minimum 60 Scottish credits/120 ECTS credits

## **Postgraduate Diploma**

- Minimum 120 Scottish credits/60 ECTS credits



HERIOT-WATT UNIVERSITY

EDINBURGH BUSINESS SCHOOL

*We, the undersigned Principal and Vice-Chancellor of the University, the Director and Head of the Business School, and the Secretary of the University, certify that*

*duly completed the requirements of an approved course of study on the Twenty-Fifth day of January 2013 and, by resolution of the Senate, has been awarded the intermediate award of the*

**Postgraduate Certificate of Business Administration**

*In witness whereof this certificate is sealed with the Common Seal of the University on the Thirty-First day of January 2013.*



	Principal and Vice-Chancellor
	Director and Head of the Business School
	Secretary of the University

HERIOT-WATT UNIVERSITY IS A MEMBER OF QUALIFICATIONS INSTITUTES OF THE UNITED KINGDOM



POSTGRADUATE DIPLOMA

By the Authority of the Senatus Academicus

was awarded the Postgraduate Diploma

in the College of Humanities and Social Science

in Art, Space and Nature

on the Twenty Eighth day of November

Two Thousand and Seven.

EDINBURGH COLLEGE OF ART DEGREE  
VALIDATED BY THE UNIVERSITY OF EDINBURGH

Principal and Vice-Chancellor

University Secretary

Principal of the Edinburgh College of Art



UNIVERSITY OF  
STRATHCLYDE

## POSTGRADUATE CERTIFICATE

*with distinction*

It is hereby certified that

*Alistair Bell Wylie*

having satisfactorily followed a prescribed course of study  
has been awarded this Postgraduate Certificate in Education (Secondary)



University  
Seal

In witness whereof we have caused  
the Common Seal of the University to  
be impressed upon this document on  
26 June 1995

*John Arbuthnot*  
*Principal*

Principal

*Peter Dew*  
Secretary  
to the University

Post Graduate Certificate of Education (PGCE) (Secondary) – secondary school teaching qualification

UNIVERSITY OF GLASGOW

POSTGRADUATE DIPLOMA IN EDUCATION (SECONDARY)  
WITH TEACHING QUALIFICATION

It is hereby certified that

having completed to the satisfaction of the Senatus Academicus the course of study and assessments prescribed by the University, has been found worthy to receive the Postgraduate Diploma in Education (Secondary) with Teaching Qualification in English

Signed and sealed by authority of the Senatus Academicus, this Eighteenth Day of June Two Thousand and Twelve.

*Anne M Anderson*  
Head of the College of Social Sciences

*[Signature]*

Principal

*Graham D. Caird*  
Clerk of Senate

Higher Education Achievement Report  
(incorporating European Diploma Supplement)



Academic Year 2011-12

Award Programme Course	Description	Level	Credits	ECTS Credits	Grade	Grade Points
EDUC 4014	PGDE With Teaching Qualification: School Experience	10	30	15	P	10
EDUC 5082	Evaluating Learning And Teaching	11	30	15	C3	12
EDUC 5129	Learning And Teaching In The Secondary Curriculum	11	30	15	B3	15
EDUC 5328	Understanding Learning And Teaching	11	30	15	B1	17

Final Award of Postgraduate Diploma in Education  
Awarded on 18 June 2012

Academic Year 2012-13

Award Programme Course	Description	Level	Credits	ECTS Credits	Grade	Grade Points
EDUC 5376	Professional Enquiry And Decision Making	11	30	15	D1	11

5 Qualification - Function and Access to Further Study

This qualification may allow access to further study (at SCQF Level 11 or 12) subject to the individual requirements of the institution concerned.

The following professional bodies or institutions have accredited this qualification:

PGDE with Secondary Teaching Qualification (English)  
No Accreditation information available.  
MA, Comparative Literature/English Literature  
No Accreditation information available.

6 Additional Achievements

Students at the University of Glasgow have the opportunity to engage in extra-curricular activities which may contribute to the life of the University and the wider community as well as to their own personal and professional development. The achievements reported here have been verified by the University of Glasgow.

Formal verified records of additional achievements were first collected for academic session 2011-12. Achievements prior to this will not show here.

None Verified

7 Certification

Date of Transcript 17/03/2014  
Authentication *David Heavin*  
Capacity Head of the Registry



Student: 0601546

Page 4 of 9

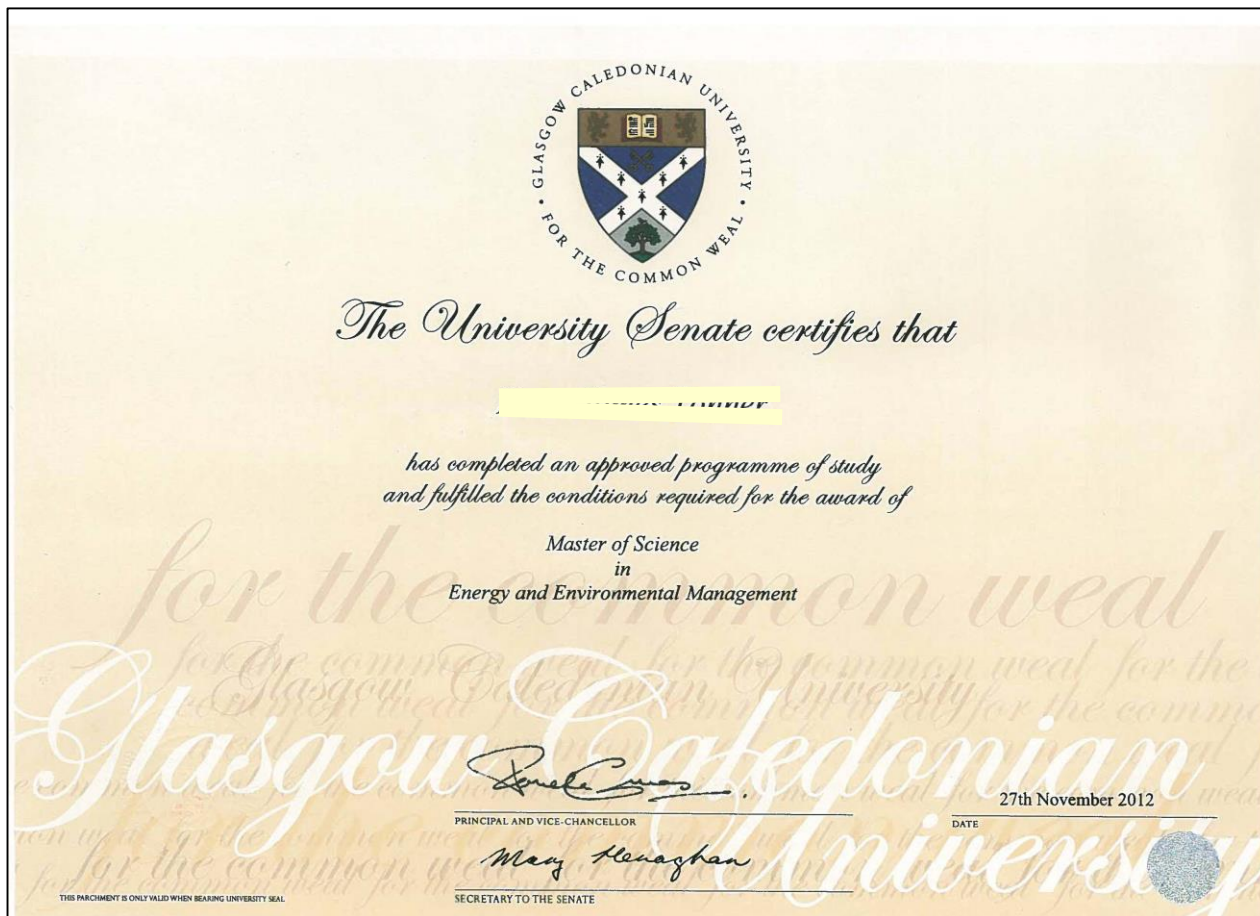
Date of HEAR: 17/03/2014

# Graduate


## *Taught degrees*

- Tutorials and lectures
- 12+ months full-time/2 years part-time
- At least 180 Scottish credits/90 ECTS credits
- Admission requires Honours bachelor's degree or Postgraduate Certificate/Diploma
- Thesis (dissertation) or research project

**Master of Science/MSc, Master of Arts/MArts, Master of Letters/MLitt, Master of Research/MRes, Master of Education/MEd, etc**



Master of Science diploma and transcript



**ACADEMIC TRANSCRIPT**  
**GLASGOW CALEDONIAN UNIVERSITY**

Serial Number: \_\_\_\_\_  
 Family Name(s): \_\_\_\_\_  
 Given Name(s): **Datar Tamas**  
 Date Of Birth: **09/11/1985**  
 Programme of Study: **MSc Energy & Environmental Management (FT)**


Date of Issue: **30/03/2016**  
 Programme Code: **P00961-1FTA-11/12**  
 Student Identifier: **S1130552**  
 HESA Reference: **1111061305520**

**Record of Learning and Achievement**


Level	Session	Module Code	Module Title	Mark (%)	Result	Credit Points	ECTS
SHEM	11/12	MMF721228	HEALTH, SAFETY AND ENVIRONMENTAL MANAGEMENT	69	P	15.00	7.50
	11/12	MMF821239	GIS AND ENVIRONMENTAL MANAGEMENT	75	P	15.00	7.50
	11/12	MMH106215	PROJECT (MSC)	66	P	60.00	30.00
	11/12	MMH121607	ADVANCED WASTE TREATMENT TECHNOLOGIES	75	P	15.00	7.50
	11/12	MMH221229	ENVIRONMENTAL PLANNING AND IMPACT ASSESSMENT	71	P	15.00	7.50
	11/12	MMH221233	CLIMATE CHANGE AND CARBON MANAGEMENT	81	P	15.00	7.50
	11/12	MMH221234	RESOURCES AND SUSTAINABILITY	87	P	15.00	7.50
	11/12	MMH221255	CONTAMINATED LAND AND LANDFILL ENGINEERING	70	P	15.00	7.50
	11/12	MMJ921238	RENEWABLE ENERGY TECHNOLOGIES	70	P	15.00	7.50
<b>Total Scottish Higher Education Credits at this Level</b>						<b>180.00</b>	<b>90.00</b>

Total Credits: **180.00**  
 Award/Classification: **Masters Degree**

**This transcript is an official document. Should confirmation of authenticity be required please contact the University's Examinations Office.**



**Mr Stephen Lopez**  
Academic Registrar



**UNIVERSITY STAMP**

Glasgow Caledonian University, Cowcaddens Road, Glasgow G4 0BA, Scotland, United Kingdom  
 T: +44 (0)141 331 3000 F: +44 (0)141 331 3005 www.gcu.ac.uk  
 Glasgow Caledonian University is a registered Scottish charity, number SC021474

# Graduate

## *Research degrees*

- In-depth study of a specific field
- Supervised research
- Admission requires master's degree or first class or upper second class honours bachelor's; may require a research proposal

## **Master of Philosophy/MPhil, Master of Research/MRes, Master of Science/MSc, etc.**

- 12 months full-time/24 months part-time
- At least 180 Scottish credits/90 ECTS credits

## **Doctor of Philosophy/PhD**

- 36 months full-time/60 months part-time
- At least 540 Scottish credits/270 ECTS credits



VNIVERSITATIS GLASGVENSIS SENATVS

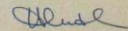
*Noueritis omnes Almam Vniuersitatem Glasguensem alumnam suam*

*Philosophiae Magistrum*

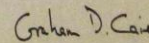
*ita creasse ut omnibus priuilegiis quae ad hunc gradum pertinent iure  
uteretur. In quorum fidem his litteris commune Vniuersitatis sigillum  
apponendum curabamus. Dabamus Glasgae in aedibus academicis  
anno salutis mxcii die xv mensis iunii*

*This document attests that the person named hereon has satisfied  
the requirements of the Senate of the University of Glasgow for  
the award on Fifteenth Day of June Two Thousand and Twelve of the degree of  
Master of Philosophy (M.Phil) at The Glasgow School of Art*

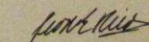
1013274



Principalis



Senatus Academics Scriba



Scholae Artis Glasguensis Praeses

Master of Philosophy



University of  
St Andrews

On behalf of Heads of Colleges and the  
Senatus Academicus of the University of St Andrews,

I hereby testify that

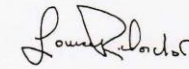
having successfully completed the prescribed course of

studies is formally admitted to the Degree of

Doctor of Philosophy

In witness whereof this certificate is sealed with the

Common Seal of the University



Principal and Vice-Chancellor



St Andrews 23rd June 2011

Doctor of Philosophy (PhD)

# Professional Programs

## *Medicine, Dentistry, Veterinary Medicine*

- **Bachelor of Medicine and Bachelor of Surgery/MBChB**
- **Bachelor of Dental Surgery/BDS**
- **Bachelor of Veterinary Medicine & Surgery/BVMS**
  - 5 years
  - Admission requires 2 Advanced Highers in S5 and 3 Advanced Highers in S6

## *Law*

- **Bachelor of Arts (Honours) in Law/BA (Hons) in Law**
- **Bachelor of Laws/LLB**
  - 4 years
  - Only LLB leads to licensure as an attorney in Scotland



UNIVERSITY OF ABERDEEN

By authority of the Senatus Academicus  
the Degrees of

**Bachelor of Medicine and  
Bachelor of Surgery**

were conferred upon

\_\_\_\_\_

ON 16 AUGUST 1991

DUPLICATE

*C. D. R.*  
Principal & Vice-Chancellor

*[Signature]*  
University Secretary



DEGREES OF BACHELOR OF MEDICINE AND  
BACHELOR OF SURGERY

By the Authority of the Senatus Academicus

*Rana Vajiha Farhadi*

was admitted to the Degrees of Bachelor of Medicine and Bachelor of Surgery  
in the College of Medicine and Veterinary Medicine

on the Fourteenth day of July

Two Thousand and Six

*Timothy M.M. O'Shea* Principal and Vice-Chancellor

*John Savill* Head of the College of Medicine  
and Veterinary Medicine

*[Signature]* University Secretary

268500


Bachelor of Medicine and Bachelor of Surgery/MBChB

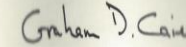
*Noueritis omnes Almam Vniuersitatem Glasguensem alumnam suam*

*Medicinae Chirurgiaeque Veterinariae Baccalaureum*

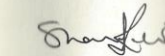
*ita creasse ut omnibus priuilegiis quae ad hunc gradum pertinent iure  
uteretur. In quorum fidem his litteris commune Vniuersitatis sigillum  
apponendum curabamus. Dabamus Glasguae in aedibus academicis  
anno salutis mxx die xxviii mensis iunii.*

*This document attests that the person named hereon has satisfied  
the requirements of the Senate of the University of Glasgow for  
the award on 28th June 2010 of the degree of  
Bachelor of Veterinary Medicine and Surgery (B.V.M.S.) with Commendation*

  
Principalis



Senatus Academici Scriba



Facultatis Medicinae Veterinariae Decanus

0505923

Bachelor of Veterinary Medicine and Surgery/BVMS



UNIVERSITY OF STRATHCLYDE

By virtue of the power to award degrees granted to it by the Charter and Statutes and by the authority of the Senate the University has this day conferred the Degree of

# BACHELOR OF LAWS

with Second Class Honours, upper division

upon

In witness whereof we have caused the Common Seal of the University to be impressed upon this document on

5 July 2002

*James Hamill*  
*Chris Blair*

Principal

Secretary to the University

University Seal



## UNIVERSITY OF ABERDEEN

By authority of the Senatus Academicus  
the Degree of

### Master of Laws

OIL AND GAS LAW

was conferred upon

with Commendation

ON 27 NOVEMBER 2009

*C. D. R.*  
Principal & Vice-Chancellor

*[Signature]*  
University Secretary

# THE SCOTTISH CREDIT AND QUALIFICATIONS FRAMEWORK



scottish credit and qualifications framework

SCQF Levels	SQA Qualifications			Qualifications of Higher Education Institutions	Scottish Vocational Qualifications
12				DOCTORAL DEGREE	
11				INTEGRATED MASTERS DEGREE / MASTERS DEGREE POST GRADUATE DIPLOMA POST GRADUATE CERTIFICATE	SVQ5
10				HONOURS DEGREE GRADUATE DIPLOMA GRADUATE CERTIFICATE	
9			PROFESSIONAL DEVELOPMENT AWARD	BACHELORS / ORDINARY DEGREE GRADUATE DIPLOMA GRADUATE CERTIFICATE	SVQ4
8		HIGHER NATIONAL DIPLOMA		DIPLOMA OF HIGHER EDUCATION	
7	ADVANCED HIGHER SCOTTISH BACCALAUREATE	HIGHER NATIONAL CERTIFICATE		CERTIFICATE OF HIGHER EDUCATION	SVQ3
6	HIGHER				
5	INTERMEDIATE 2 CREDIT STANDARD GRADE				SVQ2
4	INTERMEDIATE 1 GENERAL STANDARD GRADE	NATIONAL CERTIFICATE	NATIONAL PROGRESSION AWARD		SVQ1
3	ACCESS 3 FOUNDATION STANDARD GRADE				
2	ACCESS 2				
1	ACCESS 1				

# Scottish Credit and Qualifications Network/SCQF

National qualifications framework

Created in November 2006

Managed by Scottish Credit and Qualifications Framework Partnership

- Quality Assurance Agency For Higher Education
- College Development Network
- Scottish Qualifications Authority
- Universities Scotland

# Scottish Credit and Qualifications Framework/SCQF

- Developed to make Scottish qualifications system easier to understand
- 12 levels
- All qualifications from Access through Doctorate
- Includes vocational qualifications
- Credits and levels in terms of notional learning hours
  - 1 credit point for each 10 hours of learner effort  
(based on assumption of 1200 learning hours per year)



# Helpful links

- SQA: <http://www.sqa.org.uk/>
- Scottish Credit and Qualifications Framework: <http://scqf.org.uk/>
- SQA Level Descriptors: [http://www.sqa.org.uk/files\\_ccc/SCQF-LevelDescriptors.pdf](http://www.sqa.org.uk/files_ccc/SCQF-LevelDescriptors.pdf)
- Scottish Baccalaureates: [http://www.sqa.org.uk/sqa/files\\_ccc/110412\\_Baccalaureate\\_Web\\_version.pdf](http://www.sqa.org.uk/sqa/files_ccc/110412_Baccalaureate_Web_version.pdf)
- Colleges Scotland: <http://collegesscotland.ac.uk/>
- List of colleges in Scotland: <http://collegesscotland.ac.uk/college-mergers.html>
- Education Scotland: <https://education.gov.scot/>
- Education Scotland National Qualifications: <https://education.gov.scot/NationalQualifications>
- Education Scotland information on national qualifications framework: <https://education.gov.scot/nationalqualifications/about/Current%20qualifications%20framework>



**SPANTRAN**

THE EVALUATION COMPANY