



UNIVERSITY OF ABERDEEN

By authority of the Senatus Academicus
the Degree of

Master in Science

with Second Class Honours (Division One) in

BIOTECHNOLOGY (APPLIED MOLECULAR BIOLOGY)
WITH INDUSTRIAL PLACEMENT

was conferred upon

NAVID SOBHANI

on 2 July 2013

Principal & Vice-Chancellor

University Secretary

1 4 9 5



UNIVERSITY OF ABERDEEN

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

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STUDENT TRANSCRIPT

Name: SOBHANI

NAVID

Date of Birth: 12 NOV 1988

Student Id Number: 08547652
 UK Higher Education Unique Student Identifier: 0811701331623
 Programme Of Study: DEGREE OF MSCI IN BIOTECHNOLOGY(APPD MOLECULAR BIO) WITH IND
 PLACEMENT
 Period(s) of Registration: 23 SEP 2008 - 02 JUL 2013
 Date of Graduation: 02 JUL 2013
 Classification: UPPER SECOND CLASS HONOURS

| Session | Course Code | Credit Value | Course Title | Aberdeen | |
|---------|-------------|--------------|---|----------|-------------------|
| | | | | Grade | Merit Certificate |
| 2008 | BI1004 | 20 | ORGANISMAL BIOLOGY | 19 | 1ST CLASS |
| 2008 | BI1507 | 20 | THE CELL | 19 | 1ST CLASS |
| 2008 | BI1508 | 20 | ECOLOGY AND ENVIRONMENTAL SCIENCE | 16 | 2ND CLASS |
| 2008 | CM1010 | 20 | CHEMISTRY 1A: FUNDAMENTALS | 18 | 1ST CLASS |
| 2008 | CM1506 | 20 | CHEMISTRY 1B: APPLICATIONS IN THE REAL WORLD | 18 | 1ST CLASS |
| 2008 | MA1002 | 20 | CALCULUS A (4) | 18 | 1ST CLASS |
| 2009 | BI2002 | 15 | GENES AND EVOLUTION | 19 | 1ST CLASS |
| 2009 | BI2005 | 15 | FOUNDATION SKILLS FOR LIFE SCIENCES | 18 | 1ST CLASS |
| 2009 | BI20M3 | 15 | MOLECULAR BIOLOGY OF THE GENE | 17 | 2ND CLASS |
| 2009 | BI2506 | 15 | RESEARCH SKILLS FOR LIFE SCIENCES | 18 | 1ST CLASS |
| 2009 | BI25M5 | 15 | MICROBES, INFECTION & IMMUNITY | 14 | |
| 2009 | BI25M6 | 15 | ENERGY FOR LIFE | 18 | 1ST CLASS |
| 2009 | CM2008 | 15 | ENERGETICS OF CHANGE IN CHEMICAL & BIOLOGICAL SYSTEMS | 17 | 2ND CLASS |
| 2009 | CM2512 | 15 | ORGANIC & BIOLOGICAL CHEMISTRY | 17 | 2ND CLASS |
| 2010 | BC3503 | 30 | THE MOLECULAR CONTROL OF CELL FUNCTION | 17 | 2ND CLASS |
| 2010 | BT3006 | 5 | WORKING OUT? PLACEMENT & CAREER SKILLS | 16 | 2ND CLASS |
| 2010 | BT3007 | 30 | CORE MOLECULAR TECHNOLOGIES FOR BIOLOGISTS | 17 | 2ND CLASS |
| 2010 | GN3502 | 30 | GENETICS | 16 | 2ND CLASS |
| 2010 | MB3005 | 30 | THE MOLECULAR BIOLOGY OF THE CELL | 15 | 2ND CLASS |
| 2011 | BT5007 | 120 | INDUSTRIAL PLACEMENT | 17 | 2ND CLASS |
| 2012 | BT4005 | 30 | BIOTECHNOLOGY A | 16 | 2ND CLASS |
| 2012 | BT4507 | 60 | HONOURS BIOTECHNOLOGY B | 17 | 2ND CLASS |
| 2012 | MB4050 | 30 | HONOURS ADVANCED MOLECULAR BIOLOGY | 18 | 1ST CLASS |

Signed: _____

End of Transcript



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University of Aberdeen Diploma Supplement

This Diploma Supplement is based on the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (degrees, diplomas, and certificates etc). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the certificate of award which accompanies this supplement. It should be free from any value judgements, equivalence statements or suggestions about recognition.

The University of Aberdeen Diploma Supplement is comprised of the University of Aberdeen transcript, showing courses satisfactorily completed and passed together with this descriptive annex.

The University of Aberdeen

The University of Aberdeen was founded in 1495 and is one of the four ancient universities in Scotland. The University has degree awarding powers and its governance is prescribed by the Universities (Scotland) Acts of 1858 to 1966.

The University offers degree programmes at both undergraduate and postgraduate level (both taught and research) in seven areas of study: Arts & Social Sciences, Divinity, Education, Engineering, Law, Medicine and Science.

Further information on the University of Aberdeen is available at www.abdn.ac.uk.

Official Length of Programme

Non-Honours undergraduate degree programmes (including Designated degrees) normally require 3 years full-time study; Honours degree programmes require 4 years full-time study; and undergraduate Masters (MChem, MPhys, MSci and MEng) and the MBChB degree programmes 5 years of full-time study. Most postgraduate Masters programmes are of one year duration.

Full-time students normally take courses amounting to 120 credit points per session at undergraduate level taken over a 36 week period, and 180 credit points in a 12 month period at taught postgraduate level. One credit point is equivalent to a workload of 10 hours of notional student effort (including assessments).

Two Aberdeen University credit points are equivalent to one ECTS credit.

Access Requirement(s)

Details of admission requirements to undergraduate and postgraduate programmes are provided in the Undergraduate or Postgraduate Prospectus, which can be accessed at www.abdn.ac.uk/prospectus/. More specific information on admission requirements is provided on the programme specification for the degree, which can be accessed at www.abdn.ac.uk/registry/calendar/

Speakers of English as a second or other language must satisfy a minimum requirement in the written English test of IELTS (International English Language Testing Service examination) or the TOEFL (Test of English as a Foreign Language). Full details of English language requirements can be accessed at: www.abdn.ac.uk/sras/international/english.shtml

Language of Instruction

All courses are taught and examined in English.

Programme Requirements

The University Calendar contains programme specifications for each degree programme including information on the programme aims and learning outcomes, details of accreditation by professional or statutory bodies (where applicable), and programme structure and requirements. The Regulations for each Degree are also available in the University Calendar, which can be accessed at www.abdn.ac.uk/registry/calendar/

Course details (including a short description of each course) are provided in the Catalogue of Courses, which can be accessed at www.abdn.ac.uk/registry/courses/.

Grading Scheme

Common Assessment Scale

All summative assessments and examinations are marked using the Common Assessment Scale (CAS). Points on the scale indicate levels of performance and do not correspond directly to percentages or other marking schemes. The scale comprises 21 discrete points (0-20), which are grouped into seven bands as under:

| Common Assessment Scale Mark | Description for Non-Honours and Postgraduate Courses | Description for Honours Courses |
|------------------------------|--|------------------------------------|
| 20, 19, 18 | Outstanding | First Class Honours |
| 17, 16, 15 | Very Good | Second Class Honours (Division I) |
| 14, 13, 12 | Good | Second Class Honours (Division II) |
| 11, 10, 9* | Pass | Third Class Honours |
| 8, 7, 6 | Fail | Below Third Class Honours |
| 5, 4, 3 | Fail | Below Third Class Honours |
| 2, 1, 0 | Fail | Below Third Class Honours |

* CAS 9 represents the minimum level of performance normally needed for credit to be awarded for an individual course towards a first (undergraduate level) degree or postgraduate qualification. Where a course is shown as satisfactorily completed with a mark of lower than 9, this indicates either that a scheme of compensation, approved by the Senate, has operated or that the qualification for which the student was registered was lower than first degree standard.

Further information on the CAS system is available at www.abdn.ac.uk/registry/quality/appendix7x3.pdf

A first class merit certificate is awarded to students who achieve CAS marks in the band 18-20 and a second class merit certificate is awarded to students achieving CAS marks in the band 15-17. Marks followed by "D" indicate distinctions.

Degree Classification

All Honours degrees awarded by the University are classified as First Class Honours, Second Class Honours (Division I), Second Class Honours (Division II) or Third Class Honours. This classification is determined using the University's *Grade Spectrum*, which can be accessed at: www.abdn.ac.uk/registry/quality/appendix7x4.pdf.

The award of taught postgraduate degrees is determined by the University's *Grade Spectrum* for modularised taught postgraduate programmes of study, which can be accessed at: www.abdn.ac.uk/registry/quality/appendix7x7.pdf. These degrees are not classified but the Postgraduate Diploma and the Master's Degree may be awarded with Commendation or Distinction.

Access to Further Study

The award of an Honours degree (normally at Second Class Honours or above) would normally allow a student entry to taught postgraduate study in a related discipline.

The award of an Honours degree (at Second Class Honours (Division One) or above) or a postgraduate Master's degree would normally allow entry to a PhD programme.

Description of Higher Education in Scotland¹

Introduction

Scotland's distinctive higher education system has 20 higher education institutions (HEIs). The 14 universities, the Open University in Scotland, 2 colleges of higher education, 2 art schools, and a conservatoire are part-funded for research, teaching and learning through the Scottish Funding Council.

The HEIs are independent, self-governing bodies, active in teaching research and scholarship. They decide the degrees they offer; the conditions on which they are awarded and the admissions arrangements. Degrees and other higher education qualifications are legally owned by the awarding institution, not by the state.

The HEIs offer qualifications at undergraduate (Bologna first cycle) and postgraduate (Bologna second and third cycle) levels. In Scotland, the law distinguishes the power to award degrees on the basis of completion of taught programmes from the power to award research degrees. Universities have powers to award taught and research degrees. Some other HEIs have powers to award degrees while others offer programmes leading to degrees awarded by HEIs with degree awarding powers.

Lists of institutions with powers to award degrees and institutions recognised by authorities in Scotland as being able to offer courses leading to a degree of another HEI may be found at www.universities-scotland.ac.uk

A small number of Degrees are available in colleges of further education by the authority of a duly empowered HEI.

Qualifications

The types of qualifications awarded at undergraduate (first cycle) and postgraduate level (second and third cycles) in Scotland are described in the Framework for Higher Education Qualifications in Scotland which includes qualifications descriptors, developed with the higher education sector (<http://www.qaa.ac.uk>). The Framework is an integral part of a wider national framework: the Scottish Credit and Qualifications Framework that covers all forms of programmes and qualifications from school to Doctorates (see table 1 and www.scqf.org.uk).

Institutions use SCQF credit points for students entering or transferring between programmes or institutions, and use ECTS for transfers within the European area.

Admission

Requirements for particular programmes are set by the HEIs which offer a range of routes for entry and/or credit transfer into their programmes, and admit students

whom they believe have the potential to complete their programmes successfully. The Open University is an open entry institution.

The most common qualification for entry to higher education is the Higher or Advanced Higher or, for entrants from the rest of the UK, the General Certificate of Education at 'Advanced' level (including the "advanced supplementary") or comparable qualifications. Four or five Highers are normally taken in the 5th and 6th year of secondary school or at a college of further education and studied in considerable depth, involving coursework and final examinations. Advanced Highers are taken in the 6th year. A major route into Degrees, often with transfer of credit, is from Higher National Qualifications offered in colleges of further education.

Quality Assurance

Standards of qualification and the quality of the student learning experience are maintained by the HEIs using a range of processes including extensive use of external examiners. In some subject areas, Professional and Statutory Bodies have a role to ensure that programmes meet the needs and standards of the particular profession.

HEIs in Scotland demonstrate their public accountability for quality and standards through a national quality assurance framework that has a strong focus on enhancement as follows:

HEIs take account of a QAA published U.K.- wide code of practice for quality assurance, and U.K. subject level 'benchmark statements' on standards (see www.qaa.ac.uk).

Subject level issues are addressed by HEIs internal reviews conducted in accordance with guidance issued by the Scottish Funding Council (see www.sfc.ac.uk).

External reviews are conducted by the Quality Assurance Agency for Higher Education in Scotland (QAA). The Agency is an independent body established to provide public confidence in the quality and standards of higher education. It involves students in its quality enhancement activities. The Agency publishes reports on the outcomes of reviews and the confidence that can be placed in the HEIs' arrangements for assuring and enhancing standards and quality, and for ensuring that they provide public information that is complete, accurate and fair (see www.qaa.ac.uk).

A national development service supports students in their role as active participants in assuring and enhancing quality and standards (see www.sparqs.org.uk).

This national description is endorsed by the Quality Working Group which is a national committee with members from The Quality Assurance Agency for Higher Education, Scotland; The Scottish Funding Council; Universities Scotland and the National Union of Students in Scotland.

¹ Scotland has a distinctive higher education system and also operates under a devolved government, including for higher education. There is a separate Description of Higher Education in England, Wales and Northern Ireland where the system is different to that of Scotland.

Description of Higher Education in Scotland²

TABLE 1

The Scottish Credit and Qualifications Framework (SCQF)

The SCQF covers all the major qualifications in Scotland from school to Doctorate and including work-based Scottish Vocational Qualifications (SVQs)

| SCQF Level | Qualifications of Higher Education Institutions | SQA Higher National and National Units, Courses and Group Awards | SVQs |
|------------|---|--|-------|
| 12 | Doctoral Degrees (Minimum 540 SCQF credits) | | |
| 11 | Masters Degrees (Minimum 180 SCQF credits) | | SVQ 5 |
| | Postgraduate Diploma (Minimum 120 SCQF credits) | | |
| 10 | Bachelors Degree with Honours (Minimum 480 SCQF credits) | | |
| | Graduate Diplomas and Certificates | | |
| 9 | Bachelors Degree (Minimum 360 SCQF credits) | | |
| | Graduate Diplomas and Certificates | | |
| 8 | Diploma of Higher Education (Minimum 240 SCQF credits) | Higher National Diploma | SVQ 4 |
| 7 | Certificate of Higher Education (Minimum 120 SCQF credits) | Advanced Higher Higher National Certificate | |
| 6 | | Higher | SVQ 3 |
| 5 | | Intermediate 2 Credit Standard Grade | SVQ 2 |
| 4 | | Intermediate 1 General Standard Grade | SVQ 1 |
| 3 | | Access 3 Foundation Standard Grade | |
| 2 | | Access 2 | |
| 1 | | Access 1 | |

Notes

- 1 SCQF levels represent increasing complexity and demand in learning outcome.
- 2 One credit represents the outcomes achievable by the average student though 10 notional hours of learner effort. In general terms, one full-time undergraduate year is considered to be 120 credits worth of learning. A postgraduate year is 180 credits. 1 ECTS credit is deemed equivalent to 2 SCQF credits. Research degrees - Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) are not credit rated.
- 3 Graduate Certificates (minimum of 60 SCQF credits) and Graduate Diplomas (minimum of 120 credits) are offered at levels 9 and 10 within the SCQF framework. They are offered for programmes that are for graduates but do not have outcomes that are at postgraduate level.
- 4 The Bachelors Degree (level 9) leads to employment and can give access to postgraduate study particularly when accompanied by relevant work or professional experience.
- 5 At postgraduate levels, the framework and the higher education qualifications are the same as those for the rest of the UK. The Honours Degree levels of the two frameworks are considered to be in broad alignment (the Honours Degree in Scotland normally takes 4 years and that in the rest of the UK takes 3 years). Below Honours level the frameworks reflect the different educational structures of Scotland and the rest of the UK).
- 6 Levels 7, 8, 9 and 10 of the Qualifications of Higher Education Institutions are within the first cycle of the European Qualification Framework for Higher Education, level 11 is within the second cycle and level 12 is within the third cycle.

² Scotland has a distinctive higher education system and also operates under a devolved government, including for higher education. There is a separate Description of Higher Education in England, Wales and Northern Ireland, where the system is different to that of Scotland.



UNIVERSITY OF CAMBRIDGE

This is to certify that
NAVID SOBHANI
of DARWIN COLLEGE
in the University of Cambridge
having diligently attended a course of
postgraduate instruction in Chemical Engineering
and having been admitted to the examination appointed
by the University of Cambridge has been approved
by the Examiners and has been awarded the
CERTIFICATE OF POSTGRADUATE
STUDY IN CHEMICAL ENGINEERING

Witness my hand this
nineteenth day of December, two thousand and fourteen

A handwritten signature in black ink, appearing to read "Green".

Administrative Officer

A handwritten signature in black ink, appearing to read "Jonathan Nicholson".

Registrar of the University

INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

| | |
|---------------------------------------|------------------------------------|
| Surname | Sobhani |
| Forenames | Navid |
| Date of Birth | 12-November-1988 |
| USN | 302574308 |
| Matriculation Date | Michaelmas Term 2013 (01-Oct-2013) |
| HESA unique student identifier | 0811701331623 |

DEGREES CONFERRED

| | |
|---|------------------|
| Certificate of Postgraduate Study in Chemical Engineering | 19-December-2014 |
|---|------------------|

INFORMATION IDENTIFYING THE QUALIFICATION(S)

| | |
|---|------------------------------------|
| Name and status of awarding institution | University of Cambridge |
| College | Darwin College |
| Name of Qualification | Cert of Postgraduate Study |
| Level of Qualification | Graduate (Full-Time) |
| Main field(s) of study for the qualification | Chemical Engineering |
| Official length of Program | One Year |
| Course Start Date | Michaelmas Term 2013 (01-Oct-2013) |
| Language of Instruction and Examination | English |

ACADEMIC RECORD

Subject of Research : Biomarker discovery for neuropsychiatric disorders
 Approved for the Cert of Postgraduate Study on 14-Oct-2014

CERTIFICATION OF THE DOCUMENT

Signature

Jonathan Nicholas

Date: 15-April-2015

Title of Office: Registry

FURTHER INFORMATION

For further information please refer to the programme specification at <http://www.admin.cam.ac.uk/univ/camdata/archive.html>

Where available, this will contain information on:

- Access Requirements
- Professional Status
- Grading Schemes and Degree Classification
- Access to further study

INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

Programme specifications as found on: <http://www.admin.cam.ac.uk/univ/camdata/archive.html>, for all courses, include an indication of the level of the course in the context of the Framework for Higher Education Qualification in England, Wales and Northern Ireland, published by the Quality Assurance Agency (QAA). Full descriptors of the levels of the Framework can be viewed on the QAA website: <http://www.qaa.ac.uk/AssuringStandardsAndQuality/quality-code/Pages/default.aspx>