



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Hallam Rhys Roberts

has been admitted by the Council to the Degree of

Bachelor of Computer Science
with Distinction

Game and Mobile Development

on this day

13 December 2022

C. F. McKeoughlin

Chancellor

P. Davidson

Vice-Chancellor





The Australian Higher Education Graduation Statement is provided by Australian higher education institutions to graduating students on completion of the requirements for a particular higher education award. It provides a description of the nature, level, context and status of studies that were pursued by the individual named. Its purpose is to assist in both national and international recognition of Australian qualifications and to promote international mobility and professional recognition of graduates.

1. The Graduate

Family Name: Roberts

Given Name(s): Hallam Rhys

Student Number: 6799899

2. The Award

Name of Award

**Bachelor of Computer Science
Game and Mobile Development**

Detail

This Bachelor's Pass degree, taught in English, normally takes three (3) to three and a half (3.5) years of full-time study or the equivalent part-time study. Information about the Australian Qualifications Framework and the AQF level of this award, admission requirements and course rules are available online. Please refer to the links:

www.uow.edu.au/student/graduation/ahegs/ and

www.uow.edu.au/study/

3. Awarding Institution

The University of Wollongong is a public university recognised for excellence in teaching and research excellence. The University was established under the NSW University of Wollongong Act 1989. The University has been an autonomous entity since 1975 but traces its origins back to 1951 when it was a division of the then NSW University of Technology. The University is listed as an Australian University on the Tertiary Education Quality and Standards Agency's National Register of Higher Education Providers. The University's Commonwealth Register of Institutions and Courses for Overseas Students number is 00102E. For more information about the University of Wollongong please visit www.uow.edu.au.

AHEGS:14122022

SN:6799899 Hallam Rhys Roberts

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong.
The authenticity of this document can be verified online, at www.myequals.net

Certified

Date: 13-December-2022

Director, Student Administration
Services Division



4. Graduate's Academic Achievements

Course details

Degree: Bachelor of Computer Science
Major: Game and Mobile Development
Course Year: 2020
Date Qualified: 30/11/2022
Date Awarded: 13/12/2022

Subject Code Subject Name

2020

Autumn

CSIT111 Programming Fundamentals
CSIT113 Problem Solving
CSIT114 System Analysis
CSIT115 Data Management and Security

2020

Spring

CSIT121 Object Oriented Design and Programming
CSIT127 Networks and Communications
CSIT128 Introduction to Web Technology
CSIT226 Human Computer Interaction

2021

Autumn

CSCI251 Advanced Programming
CSIT110 Fundamental Programming with Python
CSIT242 Mobile Application Development
MATH221 Mathematics for Computer Science

2021

Spring

CSCI203 Algorithms and Data Structures
CSCI235 Database Systems
CSIT214 IT Project Management
PHYS295 Astronomy - Concepts of the Universe

2022

Annual

CSIT321 Project

2022

Autumn

CSCI336 Interactive Computer Graphics
CSIT314 Software Development Methodologies

2022

Spring

CSCI218 Foundations of Artificial Intelligence
CSCI356 Game Engine Essentials
CSCI369 Ethical Hacking
CSCI376 Multicore and GPU Programming

CP	Mark	Grade
6	99	High Dist.
6	92	High Dist.
6	89	High Dist.
6	95	High Dist.
6	87	High Dist.
6	79	Distinction
6	100	High Dist.
6	87	High Dist.
6	89	High Dist.
6	90	High Dist.
6	88	High Dist.
6	75	Distinction
6	91	High Dist.
6	76	Distinction
6	66	Credit
6	86	High Dist.
12	89	High Dist.
6	94	High Dist.
6	85	High Dist.
6	87	High Dist.
6	81	Distinction
6	72	Credit
6	86	High Dist.

End of Transcript

AHEGS:14122022

SN:6799899 Hallam Rhys Roberts

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong.
The authenticity of this document can be verified online, at www.myequals.net



Special achievements, recognition and prizes

Awards

Awarded with Distinction

Prizes

2020 Dean's Merit List - Faculty of Engineering and Information Science BCompSc

5. Description of the Australian Higher Education System

INTRODUCTION

The Australian higher education system consists of self-governing public and private universities and higher education institutions that award higher education qualifications.

THE AUSTRALIAN QUALIFICATIONS FRAMEWORK

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools.



The AQF has 10 levels, each with defined criteria based on a taxonomy of learning outcomes. Higher education qualifications are placed between level 5 (the Diploma) and level 10 (the Doctoral Degree). The Bachelor Degree is at level 7. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of the knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type. The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

The main AQF qualifications awarded by higher education institutions are Bachelor Degrees, Masters Degrees and Doctoral Degrees. There are also three qualifications at the sub-degree level: the Diploma, the Advanced Diploma and the Associate Degree. At the graduate level but below the Masters Degree are the Graduate Certificate and Graduate Diploma. The Undergraduate Certificate, which was added to the AQF in 2020, is a higher education qualification that is not allocated to a single AQF level, but recognises completion of a short course, equivalent to half a year's study (0.5 Equivalent Full Time Study Load) toward an existing qualification at AQF level 5, 6 or 7.

AHEGS:14122022

SN:6799899 Hallam Rhys Roberts

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong.
The authenticity of this document can be verified online, at www.myequals.net



Level	Qualification Type	Summary
-	Senior Secondary	Graduates with this qualification will have knowledge, skills and values for diverse pathways to further learning, work and effective participation in civic life.
Level 1	Certificate of Education Certificate I	Graduates at this level will have knowledge and skills for initial work, community involvement and/or further learning
Level 2	Certificate II	Graduates at this level will have knowledge and skills for work in a defined context and/or further learning
Level 3	Certificate III	Graduates at this level will have theoretical and practical knowledge and skills for work and/or further learning
Level 4	Certificate IV	Graduates at this level will have theoretical and practical knowledge and skills for specialised and/or skilled work and/or further learning
Level 5	Diploma	Graduates at this level will have specialised knowledge and skills for skilled/paraprofessional work and/or further learning
Level 6	Advanced Diploma	Graduates at this level will have broad knowledge and skills for paraprofessional/highly skilled work and/or further learning
Level 7	Associate Degree Bachelor Degree	Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning
Level 5 - 7	Undergraduate Certificate*	Graduates with this qualification will have foundational knowledge and skills for further study, professional upskilling, work and participation in lifelong learning.
Level 8	Bachelor Honours Degree Graduate Certificate Graduate Diploma	Graduates at this level will have advanced knowledge and skills for professional highly skilled work and/or further learning
Level 9	Masters Degree	Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning
Level 10	Doctoral Degree	Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice

*As at the publication of this document, the Undergraduate Certificate qualification type must not be conferred after 30 June 2025. Undergraduate Certificates that have been issued prior to this date will continue to be recognised as valid AQF qualifications.

ADMISSION

Requirements for admission to particular awards are set by higher education institutions and provide a range of routes for entry and only admit those students considered to have potential to complete an award successfully. Admission of school leavers to undergraduate awards is typically on the basis of the level of achievement in Year 12 secondary education, although some institutions and awards also use interviews, portfolios or demonstrated interest or aptitude. Most institutions also provide alternative entry provisions via bridging or foundation programs for mature age students or other special provisions, such as recognition of prior learning from previous study. Admission to post-graduate awards is generally based on the level of achievement in previous higher education studies and in most cases, admission to PhD awards is based on high achievement in a Masters Degree (Research) or by achieving a Bachelor Honours Degree with first class honours or second class division A honours.

QUALITY

Quality assurance and stringent approval requirements for higher education institutions ensure that Australia has an international reputation for high quality education.

AHEGS:14122022

SN:6799899 Hallam Rhys Roberts

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong. The authenticity of this document can be verified online, at www.myequals.net



UNIVERSITY
OF WOLLONGONG
AUSTRALIA



The Tertiary Education Quality and Standards Agency (TEQSA) was established on 30 July 2011 as a new national regulator and quality assurance agency for higher education. TEQSA is an independent body with the powers to regulate university and non-university higher education institutions and monitor quality against standards. Its purpose is to protect student interests and the reputation of Australia's higher education sector through a proportionate, risk-reflective approach to quality assurance that supports diversity, innovation and excellence.

From 29 January 2012 TEQSA assumed responsibility for registering and re-registering providers and accrediting and re-accrediting awards for higher education providers that do not have authority to accredit their own awards. At the time of registration, re-registration, accreditation and/or re-accreditation, TEQSA evaluates the performance of a higher education provider against the Higher Education Standards Framework. The framework specifies the minimum standards that all higher education providers must meet and continue to meet in order to remain registered.

TEQSA also monitors provider risks and performance and identifies good practice to support continuous improvement within the sector, guide sectoral quality enhancement and inform policy and research.

The Higher Education Standards Panel, which is independent from TEQSA, is responsible for advising the Minister for Education and TEQSA on the development, monitoring and interpretation of the Higher Education Standards Framework.

All higher education institutions receiving Australian Government financial support must meet quality and accountability requirements that are set out in the Higher Education Support Act 2003. The Australian Government also uses a range of tools to measure and monitor the quality of outcomes, while the interests of international students are protected by the Education Services for Overseas Students Act 2000 and the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS), providing tuition assurance and ensuring that institutions listed on CRICOS meet defined minimum standards.

AHEGS:14122022

SN:6799899 Hallam Rhys Roberts

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong.
The authenticity of this document can be verified online, at www.myequals.net

AUSTRALIAN HIGHER EDUCATION GRADUATION STATEMENT



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

LEGEND OF GRADES

ABBREVIATION	GRADE	RANGE OF MARKS
High Dist.	High Distinction	85% – 100%
Distinction	Distinction	75% – 84%
Credit	Credit	65% – 74%
Pass	Pass	50% – 64%
Pass Supp.	Pass Supplementary	50% (implemented 2012)
Pass Conc.	Pass Conceded	45% – 49% (discontinued 2012)
Pass Restr.	Pass Restricted	45% – 49% (discontinued 2012)
Fail	Fail	0% – 49%
Complete	Complete	
Not Complete	Not Complete	(discontinued 2008)
Satisfactory	Satisfactory	
Unsatisfactory	Unsatisfactory	
Excellent	Excellent	Grade applicable to Graduate Medicine subjects only
Technical Fail	Technical Fail	No mark will be presented on the student record. The allocated mark of 49 will be used as the weighted average mark calculation for subjects at all levels.
In progress	In progress	

For further information regarding the application of these grades, and for information on the University of Wollongong historic legend of grades, please refer to www.uow.edu.au/student/exams/results

HONOURS AWARDS	METHOD OF CALCULATION
HONOURS CLASS I	For each Honours degree, one of four methods must be adopted to determine the Honours grade – refer to the Coursework Rules, located at: https://uow.info/honours-policy
HONOURS CLASS II, DIVISION 1	
HONOURS CLASS II, DIVISION 2	
HONOURS CLASS III	

CREDIT FOR PRIOR LEARNING

Results for subjects where credit has been granted are not recorded on this Graduation Statement. Please refer to the Transcript of Academic Record for this information. The University of Wollongong cannot provide results for any subjects undertaken at other institutions and for which credit has been granted by the University of Wollongong.

TRANSCRIPT OF ACADEMIC RECORD

The Australian Higher Education Graduation Statement contains information related to the specific Course Award only. Please refer to the Transcript of Academic Record for the complete history of results obtained.

COURSE/SUBJECT INFORMATION

Please refer to the Course Handbook for the year indicated, for detailed information relating to individual courses/subjects listed on this Graduation Statement.

EXAMINATION OF HDR THESES

Please refer to the HDR Award Rules regarding the examination of theses: <https://uow.info/hdr-award-rules>

DOCUMENT SECURITY

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong. The secure original document resides online at www.myequals.net where the authenticity of the document can be verified. The owner of this document can provide you with an access link. For more information, visit: www.uow.edu.au/education-verifications or www.myequals.edu.au/receiving-documents

AHEGS WEBSITE

Please see the website for further information: www.uow.edu.au/student/graduation/ahegs



NAME: Mr Hallam Rhys Roberts

STUDENT NUMBER: 6799899

COURSE OF STUDY BCompSc
DATE QUALIFIED 30/11/2022
DATE AWARDED 13/12/2022

Credit points accrued to date 144

YEAR/ SESSION	SUBJECT NUMBER	SUBJECT NAME	MARK / GRADE	CREDIT POINTS	
		* COURSE - Bachelor of Computer Science			
		Major - Game and Mobile Development			
2020 Autumn	CSIT111	Programming Fundamentals	99 High Dist.	6	
	CSIT113	Problem Solving	92 High Dist.	6	
	CSIT114	System Analysis	89 High Dist.	6	
	CSIT115	Data Management and Security	95 High Dist.	6	
	Spring	CSIT121	Object Oriented Design and Programming	87 High Dist.	6
		CSIT127	Networks and Communications	79 Distinction	6
		CSIT128	Introduction to Web Technology	100 High Dist.	6
		CSIT226	Human Computer Interaction	87 High Dist.	6 48
Dean's Merit List - Faculty of Engineering and Information Science			BCompSc		
2021 Autumn	CSCI251	Advanced Programming	89 High Dist.	6	
	CSIT110	Fundamental Programming with Python	90 High Dist.	6	
	CSIT242	Mobile Application Development	88 High Dist.	6	
	MATH221	Mathematics for Computer Science	75 Distinction	6	
	Spring	CSCI203	Algorithms and Data Structures	91 High Dist.	6
		CSCI235	Database Systems	76 Distinction	6
		CSIT214	IT Project Management	66 Credit	6
		PHYS295	Astronomy - Concepts of the Universe	86 High Dist.	6 48
2022 Annual	CSIT321	Project	89 High Dist.	12	
	Autumn	CSCI336	Interactive Computer Graphics	94 High Dist.	6
		CSIT314	Software Development Methodologies	85 High Dist.	6
	Spring	CSCI218	Foundations of Artificial Intelligence	87 High Dist.	6
		CSCI356	Game Engine Essentials	81 Distinction	6
		CSCI369	Ethical Hacking	72 Credit	6
		CSCI376	Multicore and GPU Programming	86 High Dist.	6 48

* AWARDED WITH DISTINCTION

* Satisfied the University's Independent Learners Introductory Program

*
*
*

To be continued

Dated this 14th day of December, 2022
no alterations or erasures

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong.
The authenticity of this document can be verified online, at www.myequals.net



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

**TRANSCRIPT OF
ACADEMIC RECORD**

NAME: Mr Hallam Rhys Roberts

STUDENT NUMBER: 6799899

* Continuation of Transcript*

YEAR/ SESSION	SUBJECT NUMBER	SUBJECT NAME	MARK / GRADE	CREDIT POINTS
--------------------------	---------------------------	---------------------	---------------------	--------------------------

END OF TRANSCRIPT



Dated this 14th day of December, 2022
no alterations or erasures

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong.
The authenticity of this document can be verified online, at www.myequals.net

UNIVERSITY OF WOLLONGONG NSW 2522 AUSTRALIA

Telephone +61 2 4221 3555 Facsimile +61 2 4221 4322
www.uow.edu.au

Page 2 of 2

TRANSCRIPT OF ACADEMIC RECORD



UNIVERSITY
OF WOLLONGONG
AUSTRALIA

LEGEND OF GRADES

ABBREVIATION	GRADE	RANGE OF MARKS
High Dist.	High Distinction	85% – 100%
Distinction	Distinction	75% – 84%
Credit	Credit	65% – 74%
Pass	Pass	50% – 64%
Pass Supp.	Pass Supplementary	50% (implemented 2012)
Pass Conc.	Pass Conceded	45% – 49% (discontinued 2012)
Pass Restr.	Pass Restricted	45% – 49% (discontinued 2012)
Fail	Fail	0% – 49%
Complete	Complete	
Not Complete	Not Complete	(discontinued 2008)
Satisfactory	Satisfactory	
Unsatisfactory	Unsatisfactory	
Excellent	Excellent	Grade applicable to Graduate Medicine subjects only
Technical Fail	Technical Fail	No mark will be presented on the student record. The allocated mark of 49 will be used as the weighted average mark calculation for subjects at all levels.
In progress	In progress	

For further information regarding the application of these grades, and for information on the University of Wollongong historic legend of grades, please refer to www.uow.edu.au/student/exams/results

DOCUMENT SECURITY

You are viewing a PDF (or print) copy document that was generated by the University of Wollongong. The secure original document resides online at www.myequals.net, where the authenticity of the document can be verified. The owner of this document can provide you with an access link. For more information: www.uow.edu.au/education-verifications or www.myequals.edu.au/receiving-documents