

TRANSCRIPT OF ACADEMIC RECORD



Name Charles Douglas Rawstorn
 ID Number 8099989
 Date of birth 30 June 1990
 Entrance qualification Ad Eundem Statum (Credit) 2015
 Qualification(s) completed Bachelor of Science - major subject(s): Computer Science
 (completed November 2017, conferred 16 December 2017)

| 2015 | Bachelor of Science | | | Full-time | | |
|------|---------------------|------------|---|-----------|----|-------|
| | Semester | Paper code | Paper title | Points | % | Grade |
| | S1 | BSNS102 | Quantitative Analysis for Business | 18 | 92 | A+ |
| | S1 | BSNS106 | Information and Communication in Organisations | 18 | 85 | A |
| | S1 | COMP150 | Practical Programming | 18 | 65 | B- |
| | S2 | COMO101 | Computational Mathematics | 18 | 67 | B- |
| | S2 | COMP160 | General Programming | 18 | 88 | A |
| | S2 | ENGL127 | Effective Writing | 18 | 79 | B+ |
| 2016 | Bachelor of Science | | | Full-time | | |
| | Semester | Paper code | Paper title | Points | % | Grade |
| | S1 | COMP112 | Web Development and Digital Media | 18 | 86 | A |
| | S1 | COSC241 | Programming and Problem Solving | 18 | 84 | A- |
| | S1 | COSC243 | Computer Architecture and Operating Systems | 18 | 70 | B |
| | S1 | INFO211 | Systems Analysis, Design and Modelling | 18 | 75 | B+ |
| | S2 | COSC212 | Advanced Web Development | 18 | 88 | A |
| | S2 | COSC242 | Algorithms and Data Structures | 18 | 81 | A- |
| | S2 | COSC244 | Data-communications, Networks, Internet | 18 | 80 | A- |
| 2017 | Bachelor of Science | | | Full-time | | |
| | Semester | Paper code | Paper title | Points | % | Grade |
| | S1 | COSC301 | Network Management | 18 | 80 | A- |
| | S1 | COSC343 | Artificial Intelligence | 18 | 67 | B- |
| | S2 | COSC326 | Effective Programming | 18 | | Pass |
| | S2 | COSC344 | Database Theory and Applications | 18 | 75 | B+ |
| | S2 | COSC346 | Object-oriented Programming and User Interfaces | 18 | 80 | A- |
| | FY | COSC345 | Software Engineering | 18 | 81 | A- |

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UNIVERSITY
of
OTAGO
Te Whare Wānanga o Ōtāgo
NEW ZEALAND

Credit for study elsewhere

| | |
|----------|---|
| May 2017 | Credited with unspecified PHSE 100 level 36 pts (Private Training Establishment, 2013). |
|----------|---|

Grade Point Average

Based on a 9-point scale.

| | |
|------------|-----|
| Cumulative | 6.6 |
| For 2015 | 6.5 |
| For 2016 | 6.9 |
| For 2017 | 6.2 |

--- *End of Transcript* ---

Certified correct

D. J. Cross
Manager, Student Administration
Date 16 January 2018

The attached last page is a key to grades and abbreviations and should be read in conjunction with this transcript.

KEY TO GRADES AND ABBREVIATIONS

From 1993 onwards

| | | GPA | |
|------------------------------|--------|-----|---|
| 90 – 100 | A+ | 9 | |
| 85 – 89 | A | 8 | |
| 80 – 84 | A– | 7 | |
| 75 – 79 | B+ | 6 | • First Class Honours, or Distinction 80 – 100 (1993 onwards) |
| 70 – 74 | B | 5 | |
| 65 – 69 | B– | 4 | • Second Class Honours (Division I), or Credit 73 – 79 (1993 – 2007), 70 – 79 (2008 onwards) |
| 60 – 64 | C+ | 3 | |
| 55 – 59 | C | 2 | • Second Class Honours (Division II) 65 – 72 (1993 – 2007), 60 – 69 (2008 onwards) |
| 50 – 54 | C– | 1 | |
| 40 – 49 | Fail D | 0 | |
| Below 40 | Fail E | 0 | • Third Class Honours 50 – 64 (1993 – 2007), 50 – 59 (2008 onwards) |
| Failed Terms | Fail | 0 | |
| Failed Compulsory Assessment | Fail | 0 | |
| Disqualified | Fail | 0 | |
| Ungraded Fail | Fail | N/A | |
| Ungraded Pass | Pass | N/A | |
| Aegrotat | Pass | N/A | |
| Completed | Pass | N/A | |
| Comp Pass | Pass | N/A | |

Bachelor of Medicine and Bachelor of Surgery (MB ChB) results since 2002 are based on a criterion referenced system and are not graded but expressed as Distinction, Pass or Fail. The award of overall passes with distinction in the second, third, fifth, and sixth year courses of the programme, the award of passes in individual disciplines in the sixth year with distinguished performance, and the award of the degrees with distinction are determined according to criteria approved by the Faculty of Medicine.

Overall results for the degree of Master of Teaching and Learning (from 2015 on) with (distinction or credit) are determined according to criteria approved by the College of Education.

| | | |
|--------|---|--|
| Absent | = | Did Not Sit |
| AC | = | Audio Conference |
| DL | = | Distance Learning |
| FEO | = | Final Examination Only |
| ST | = | Special Topic Paper |
| TCO | = | Terms Carried Over |
| XM | = | Extramural |
| SC | = | Special Consideration in Final Examination |
| RP | = | Repeat Paper |
| IO | = | Interest Only |

Semester information from 1994 onwards

| | | |
|----------|---|---------------------------------------|
| FY | = | Full year |
| SI | = | Semester One |
| S2 | = | Semester Two |
| SS | = | Summer School |
| TY | = | Full Year, Thesis Enrolment |
| T1 | = | First Half of Year, Thesis Enrolment |
| T2 | = | Second Half of Year, Thesis Enrolment |
| N1 to N8 | = | Non Standard Teaching Periods |
| SC | = | Short Course |

Revised Points System

On 1 January 2007 the University of Otago introduced a revised system for the points assigned to each paper, to conform to a national standard for New Zealand universities.

The points for papers taken in or after 2007 are three times those in previous years (e.g. a paper worth 6 points in 2006 is worth 18 points from 2007).

On academic records the points shown for each paper are those for the system in use at the time the paper was passed.

Grade Point Average (GPA) information

The University of Otago uses a 9-point scale for calculating GPA values. An annual GPA is calculated using the grades for all papers (including failed papers) attempted by a student during a given year. It is a weighted average, taking into account the differing point values of papers. A cumulative GPA is calculated for all results to date. For further information see blogs.otago.ac.nz/evison/files/2014/07/Grade-Point-Averages.pdf

Verification of Qualifications

For confirmation of the University of Otago qualifications that have been awarded to former or current students, search the database of graduates at otago.ac.nz

POSTAL ADDRESS

University of Otago | PO Box 56 | Dunedin 9054 | New Zealand