

# TRANSCRIPT OF ACADEMIC RECORD



**Name** David Samuel Brockbank  
**ID Number** 8196539  
**Date of birth** 16 June 2002  
**Entrance qualification** UE (NCEA Level 3) 2020  
**Qualification(s) completed** Bachelor of Science - major subject(s): Computer Science; minor subject(s): Energy Management (completed December 2023)  
**Scholarships and prizes** Awarded University of Otago 150th Entrance Scholarship (2021)

## 2021 Bachelor of Science

**Enrolment dates: 26 February 2021 - 13 November 2021**

|        |            |                                 | <b>Full-time</b> |     |       |
|--------|------------|---------------------------------|------------------|-----|-------|
| Period | Paper code | Paper title                     | Points           | %   | Grade |
| S1     | COMP161    | Computer Programming            | 18               | 100 | A+    |
| S1     | GEOG101    | Physical Geography              | 18               | 85  | A     |
| S1     | MATH160    | Mathematics 1                   | 18               | 89  | A     |
| S2     | BSNS114    | Financial Decision Making       | 18               | 95  | A+    |
| S2     | COMP162    | Foundations of Computer Science | 18               | 97  | A+    |
| S2     | MATH170    | Mathematics 2                   | 18               | 83  | A-    |
| S2     | PHSI132    | Fundamentals of Physics II      | 18               | 81  | A-    |

## 2022 Bachelor of Science

**Enrolment dates: 10 January 2022 - 12 November 2022**

| Enrolment dates: 10 January 2022 - 12 November 2022 |        |            |                                    | Full-time |    |       |
|---|--------|------------|------------------------------------|-----------|----|-------|
|   | Period | Paper code | Paper title                        | Points    | %  | Grade |
| SC  | SS     | COMP101    | Foundations of Information Systems | 18        | 90 | A+    |
|   | S1     | COSC201    | Algorithms and Data Structures     | 18        | 97 | A+    |
|   | S1     | COSC202    | Software Development               | 18        | 88 | A     |
|   | S1     | EMAN201    | Thermoprocesses 1                  | 18        | 94 | A+    |
|   | S1     | PHSI243    | Environmental Physics              | 18        | 92 | A+    |
|   | S2     | COSC203    | Web, Databases, and Networks       | 18        | 91 | A+    |
|   | S2     | COSC204    | Computer Systems                   | 18        | 97 | A+    |
|   | S2     | EMAN204    | Energy Resources                   | 18        | 89 | A     |
|   | S2     | INFO204    | Introduction to Data Science       | 18        | 94 | A+    |

## 2023 Bachelor of Science

**Enrolment dates: 24 February 2023 - 11 November 2023**

| Enrolment dates: 24 February 2023 - 11 November 2023 |            |                                     | Full-time |     |       |
|--|------------|-------------------------------------|-----------|-----|-------|
| Period   | Paper code | Paper title                         | Points    | %   | Grade |
| S1   | COSC301    | Network Management and Security     | 18        | 90  | A+    |
| S1   | COSC326    | Computational Problem Solving       | 18        | 100 | A+    |
| S1   | COSC342    | Visual Computing: Graphics & Vision | 18        | 91  | A+    |

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UNIVERSITY  
of  
**OTAGO**  
*Te Whare Wānanga o Ōtāgo*  
NEW ZEALAND

|    |         |                               |    |    |    |
|----|---------|-------------------------------|----|----|----|
| S1 | EMAN301 | Fluids and Heat Transfer      | 18 | 73 | B  |
| S2 | COSC343 | Artificial Intelligence       | 18 | 81 | A- |
| S2 | MATH203 | Calculus of Several Variables | 18 | 82 | A- |

### Grade Point Average

Based on a 9-point scale.

|            |     |
|------------|-----|
| Cumulative | 8.3 |
| For 2021   | 8.1 |
| For 2022   | 8.8 |
| For 2023   | 7.7 |

--- End of Transcript ---

Certified correct

J. Gibson  
Director  
Student Experience  
Date 8 December 2023

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<br>80 – 100 (1993 onwards)                                |
| 70 – 74                      | B      | 5   |   |
| 65 – 69                      | B–     | 4   | • Second Class Honours (Division I), or Credit<br>73 – 79 (1993 – 2007), 70 – 79 (2008 onwards) |
| 60 – 64                      | C+     | 3   |   |
| 55 – 59                      | C      | 2   | • Second Class Honours (Division II)<br>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<br>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](https://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](https://otago.ac.nz)

### POSTAL ADDRESS

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