

**Name:** Hamish Duncan Lothead Huggard  
**Student ID:** 6738460  
**Entrance Qualification:** 2013 Entrance from NCEA Level 3

## Academic Programme History

**Programme:** Bachelor of Arts / Bachelor of Science Conjoint

Major in Computer Science  
Major in Mathematics  
Major in Philosophy  
Major in Physics

16/01/2014 Active in Programme  
05/12/2017 Eligible to Graduate  
09/05/2018 Degree Awarded

**Programme:** Bachelor of Science (Honours)

Major in Computer Science

30/01/2018 Active in Programme  
30/11/2018 Eligible to Graduate  
01/05/2019 Degree Awarded

**Programme:** Master of Science

Specialisation in Computer Science - Research - 120 Points

16/06/2019 Active in Programme  
23/11/2020 Eligible to Graduate  
02/06/2021 Degree Awarded

## Beginning of Formal Award Record

| Programme  | Course | Description | Attempted                     | Earned | Grade |           |
|--|--------|-------------|-------------------------------|--------|-------|-----------|
| 2014 Semester One ( 03 March 2014 - 30 June 2014 ) |        |             |                               |        |       |           |
| Enrolled Full-Time                                 |        |             |                               |        |       |           |
| BABS   | OL     | ACADINT A01 | Academic Integrity Course     | 0.00   | 0.00  | Completed |
| BABS   |        | COMPSCI 107 | Computer Science Fundamentals | 15.00  | 15.00 | Pass A+   |
| BABS   |        | MATHS 150   | Advancing Mathematics 1       | 15.00  | 15.00 | Pass A+   |
| BABS   |        | PHIL 100    | Mind, Knowledge, and Reality  | 15.00  | 15.00 | Pass A+   |
| BABS   |        | PHYSICS 120 | Advancing Physics 1           | 15.00  | 15.00 | Pass A+   |

### Prizes and Scholarships:

First in Course Award in PHIL 100

**2014 Semester Two ( 21 July 2014 - 17 November 2014 )**

Enrolled Full-Time

|      |  |              |                                |       |       |         |
|------|--|--------------|--------------------------------|-------|-------|---------|
| BABS |  | PHIL 101     | Introduction to Logic          | 15.00 | 15.00 | Pass A+ |
| BABS |  | PHYSICS 150  | Advancing Physics 2            | 15.00 | 15.00 | Pass A+ |
| BABS |  | SOCIOL 100   | Issues and Themes in Sociology | 15.00 | 15.00 | Pass A  |
| BABS |  | SPANISH 104G | Beginners' Spanish 1           | 15.00 | 15.00 | Pass A- |

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## 2015 Summer School ( 06 January 2015 - 18 February 2015 )

Enrolled Part-Time

|      |      |     |                  |       |       |         |
|------|------|-----|------------------|-------|-------|---------|
| BABS | PHIL | 204 | Greek Philosophy | 15.00 | 15.00 | Pass A+ |
|------|------|-----|------------------|-------|-------|---------|

## 2015 Semester One ( 02 March 2015 - 29 June 2015 )

Enrolled Full-Time

|      |         |     |                         |       |       |         |
|------|---------|-----|-------------------------|-------|-------|---------|
| BABS | COMPSCI | 215 | Computer Systems 2      | 15.00 | 15.00 | Pass A  |
| BABS | COMPSCI | 230 | Software Construction   | 15.00 | 15.00 | Pass A+ |
| BABS | MATHS   | 250 | Advancing Mathematics 2 | 15.00 | 15.00 | Pass A  |
| BABS | PHIL    | 340 | Kant and Hegel          | 15.00 | 15.00 | Pass A  |

## 2015 Semester Two ( 20 July 2015 - 16 November 2015 )

Enrolled Full-Time

|      |         |     |                           |       |       |         |
|------|---------|-----|---------------------------|-------|-------|---------|
| BABS | COMPSCI | 210 | Computer Systems 1        | 15.00 | 15.00 | Pass A+ |
| BABS | MATHS   | 255 | Principles of Mathematics | 15.00 | 15.00 | Pass A+ |
| BABS | PHIL    | 222 | Intermediate Logic        | 15.00 | 15.00 | Pass A+ |
| BABS | PHYSICS | 251 | Modern Physics            | 15.00 | 15.00 | Pass A+ |

## Prizes and Scholarships:

Sir Robert Jones Scholarship in Philosophy

## 2016 Semester One ( 29 February 2016 - 27 June 2016 )

Enrolled Full-Time

|      |         |     |                                      |       |       |         |
|------|---------|-----|--------------------------------------|-------|-------|---------|
| BABS | COMPSCI | 220 | Algorithms and Data Structures       | 15.00 | 15.00 | Pass A  |
| BABS | MATHS   | 253 | Advancing Mathematics 3              | 15.00 | 15.00 | Pass A+ |
| BABS | PHYSICS | 231 | Classical Physics                    | 15.00 | 15.00 | Pass A+ |
| BABS | PHYSICS | 350 | Quantum Mechanics and Atomic Physics | 15.00 | 15.00 | Pass A+ |

## 2016 Semester Two ( 18 July 2016 - 14 November 2016 )

Enrolled Full-Time

|      |         |     |                             |       |       |         |
|------|---------|-----|-----------------------------|-------|-------|---------|
| BABS | COMPSCI | 314 | Modern Data Communications  | 15.00 | 15.00 | Pass A+ |
| BABS | COMPSCI | 340 | Operating Systems           | 15.00 | 15.00 | Pass A- |
| BABS | MATHS   | 260 | Differential Equations      | 15.00 | 15.00 | Pass A+ |
| BABS | MATHS   | 320 | Algebraic Structures        | 15.00 | 15.00 | Pass A  |
| BABS | PHYSICS | 261 | Optics and Electromagnetism | 15.00 | 15.00 | Pass A  |

## 2017 Summer School ( 05 January 2017 - 22 February 2017 )



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## Enrolled Full-Time

|      |       |      |                                  |       |       |         |
|------|-------|------|----------------------------------|-------|-------|---------|
| BABS | ECON  | 151G | Understanding the Global Economy | 15.00 | 15.00 | Pass A+ |
| BABS | STATS | 101  | Introduction to Statistics       | 15.00 | 15.00 | Pass A+ |

## Prizes and Scholarships:

First in Course Award in ECON 151G

## 2017 Semester One ( 06 March 2017 - 03 July 2017 )

### Enrolled Full-Time

|      |         |     |                                |       |       |         |
|------|---------|-----|--------------------------------|-------|-------|---------|
| BABS | COMPSCI | 369 | Computational Science          | 15.00 | 15.00 | Pass A+ |
| BABS | MATHS   | 361 | Partial Differential Equations | 15.00 | 15.00 | Pass A+ |
| BABS | PHIL    | 309 | From Descartes to Hume         | 15.00 | 15.00 | Pass A+ |
| BABS | PHYSICS | 390 | Experimental Physics 1         | 15.00 | 15.00 | Pass A+ |

## Prizes and Scholarships:

First in Course Award in COMPSCI 369

First in Course Award in MATHS 361

Senior Scholar Award in the Faculty of Arts

## 2017 Semester Two ( 24 July 2017 - 20 November 2017 )

### Enrolled Full-Time

|      |         |     |                                   |       |       |         |
|------|---------|-----|-----------------------------------|-------|-------|---------|
| BABS | COMPSCI | 367 | Artificial Intelligence           | 15.00 | 15.00 | Pass A+ |
| BABS | MATHS   | 332 | Real Analysis                     | 15.00 | 15.00 | Pass A+ |
| BABS | PHIL    | 209 | Schopenhauer and Nietzsche        | 15.00 | 15.00 | Pass A- |
| BABS | PHIL    | 320 | Philosophy of Mind                | 15.00 | 15.00 | Pass A+ |
| BABS | PHYSICS | 356 | Particle Physics and Astrophysics | 15.00 | 15.00 | Pass B+ |

## 2018 Semester One ( 26 February 2018 - 25 June 2018 )

### Enrolled Full-Time

|      |         |      |  |       |       |         |
|------|---------|------|--|-------|-------|---------|
| BSCH | COMPSCI | 720  | Advanced Design and Analysis of Algorithms | 15.00 | 15.00 | Pass B+ |
| BSCH | COMPSCI | 765  | Interactive Cognitive Systems              | 15.00 | 15.00 | Pass A+ |
| BSCH | COMPSCI | 767  | Intelligent Software Agents                | 15.00 | 15.00 | Pass A+ |
| BSCH | COMPSCI | 789A | BSc(Hons) Dissertation                     | 15.00 | 15.00 | Pass A+ |

## Prizes and Scholarships:

First in Course Award in COMPSCI 767

University of Auckland Postgraduate Honours/PG Diploma Scholarship

## 2018 Semester Two ( 16 July 2018 - 12 November 2018 )

### Enrolled Full-Time

|      |         |      |                                 |       |       |         |
|------|---------|------|---------------------------------|-------|-------|---------|
| BSCH | COMPSCI | 725  | System Security                 | 15.00 | 15.00 | Pass A- |
| BSCH | COMPSCI | 760  | Datamining and Machine Learning | 15.00 | 15.00 | Pass A- |
| BSCH | COMPSCI | 789B | BSc(Hons) Dissertation          | 15.00 | 15.00 | Pass A+ |

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|      |       |     |                   |       |       |         |
|------|-------|-----|-------------------|-------|-------|---------|
| BSCH | MATHS | 761 | Dynamical Systems | 15.00 | 15.00 | Pass A- |
|------|-------|-----|-------------------|-------|-------|---------|

**2019 Semester Two ( 22 July 2019 - 18 November 2019 )**

Enrolled Full-Time

|     |         |      |                                |       |       |         |
|-----|---------|------|--------------------------------|-------|-------|---------|
| MSC | COMPSCI | 796A | MSc Thesis in Computer Science | 60.00 | 60.00 | Pass A+ |
|-----|---------|------|--------------------------------|-------|-------|---------|

**2019 Late Year Term ( 01 December 2019 - 29 February 2020 )**

|     |          |      |                               |      |      |           |
|-----|----------|------|-------------------------------|------|------|-----------|
| MSC | GENADMIN | JULS | Research Masters – July Start | 0.00 | 0.00 | Submitted |
|-----|----------|------|-------------------------------|------|------|-----------|

**2020 Semester One ( 02 March 2020 - 29 June 2020 )**

Enrolled Full-Time

|     |         |      |                                |       |       |         |
|-----|---------|------|--------------------------------|-------|-------|---------|
| MSC | COMPSCI | 796B | MSc Thesis in Computer Science | 60.00 | 60.00 | Pass A+ |
|-----|---------|------|--------------------------------|-------|-------|---------|

----- Milestones -----

Milestone: Bachelor of Science (Hons) Honours  
Date Completed: 30 November 2018  
Milestone Title: with First Class Honours

Milestone: Master of Science Honours  
Date Completed: 23 November 2020  
Milestone Title: with First Class Honours

----- Qualifications Awarded -----

**Programme:** Bachelor of Arts (Conjoint)  
**Plan(s):** Major in Mathematics  
Major in Philosophy  
**Award Date:** 09 May 2018

**Programme:** Bachelor of Science (Conjoint)  
**Plan(s):** Major in Computer Science  
Major in Physics  
**Award Date:** 11 May 2018

**Programme:** Bachelor of Science (Honours) with First Class Honours  
**Plan(s):** Major in Computer Science



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**Award Date:** 01 May 2019

**Programme:** Master of Science with First Class Honours  
**Plan(s):** Specialisation in Computer Science - Research - 120 Points  
**Award Date:** 02 June 2021  
**Thesis Title:** Concept of Drift in GP Referrals Triage

**End of Formal Award Record**

# The University of Auckland

## ACADEMIC RECORD

### Key to Status Column:

#### Pass Grades:

|      |               |
|------|---------------|
| A+   | High first    |
| A    | Clear first   |
| A-   | Bare first    |
| B+   | High second   |
| B    | Clear second  |
| B-   | Bare second   |
| C+   | Sound pass    |
| C    | Pass          |
| C-   | Marginal pass |
| CPL  | Completed     |
| Pass | Ungraded pass |

#### Fail Grades:

|                 |                  |
|-----------------|------------------|
| 1987 onwards -  |                  |
| D+              | Marginal Fail    |
| D               | Clear Fail       |
| D-              | Poor Fail        |
| DNC             | Did Not Complete |
| DNS             | Did Not Sit      |
| Fail            | Ungraded Fail    |
| Prior to 1987 - |                  |
| D               | Marginal Fail    |
| E               | Poor Fail        |

### Status & Abbreviations

|                    |   |
|--------------------|---|
| Enrolled           | No grade awarded yet - course continuing.   |
| PASS Conceded      | Ungraded conceded pass awarded only whereby the student would complete a degree or diploma, or a part in its entirety.  |
| PASS Restricted    | Restricted pass which does not permit the student to proceed to a further stage in the subject (not awarded from 1996). |
| PASS Aegrotat      | Aegrotat consideration in respect of illness or injury.   |
| PASS Compassionate | Compassionate consideration for unavoidable circumstances   |
| PASS Special       | Special pass for examination missed through oversight (not awarded from 2017).  |
| *                  | Course passed or failed on basis of overall result.   |

### Academic Programme Changes

The value allocated to each course is standardised and is given as a number of points. From 2006, course values range from 7.5 to 120 points with most courses being 10, 15, 20 and 30 points.

### General Education

From 2006, a General Education requirement is included in undergraduate degrees. Most undergraduate degrees include two General Education courses which are denoted by a "G" suffix added to the course code.

### Auckland College of Education (ACE)

On 1 September 2004, Auckland College of Education was disestablished and amalgamated with the University of Auckland. Courses taught at the former Auckland College of Education are recorded with the prefix "ACE" and, in addition to the grade key above, may contain the following grades:

|     |   |
|-----|---|
| CT  | Credit transfer awarded following the assessment of previous learning.  |
| RPL | Recognition of Prior Learning awarded following the assessment process for granting appropriate credit for relevant skills and knowledge. |
| T   | Termination of programme of study; student withdrawn from a programme by the Principal.   |
| PM  | Pass with merit; in Postgraduate programmes prior to 2000.  |
| PD  | Pass with distinction; in Postgraduate programmes prior to 2000.  |
| LA  | Learning outcomes achieved; for Practicum modules.  |
| LN  | Learning outcomes not achieved; for Practicum modules.  |

### Language of Instruction

All courses at the University of Auckland are taught in the English language, except for foreign and Māori language courses.

### Online Courses

Courses which are delivered exclusively or primarily in an online format are indicated by the characters "OL".

### Sessions

Where the dates of an enrolment period do not conform to the set dates of a given term, dates for the particular "session" are used. When a student has courses belonging to more than one session within a term, the separate sessions are displayed underneath the term with their appropriate enrolments.