Behaviour Analysis at the University of Waikato

2015-2016 School of Psychology
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**Behaviour Analysis**

*Behaviour Analysis* is a scientific approach to understanding why people and animals do what they do. Studying behaviour analysis will teach you how both animal and human behaviour is affected by events in the social and physical environment and what you can do to help produce behaviour change to help improve lives. Knowledge of this science of behaviour and its behaviour-change technology will assist you in a variety of careers.

As a field, behaviour analysis consists of concepts, principles and techniques. As a student of Behaviour Analysis, you will learn the basic skills by which behaviour can be understood and changed. These skills include techniques to define and measure behaviour, create behaviour change programs and evaluate their effectiveness. Many of these techniques and strategies are taught in the courses that combine theoretical and practical learning to produce marketable skills.

*Experimental Analysis of Behaviour (EAB)* involves research on the principles of behaviour with humans and animals. Of interest is the study of environment-behaviour relations, that is, of behaviour and its context. It covers not only the study of simple responses (such as, key-pecks or lever presses) and their relation to the contingencies of reinforcement with animals, but also the study of verbal behaviour and verbally- governed behaviour in humans.

**Applications of Behaviour Analysis**

*Applied Behaviour Analysis* (ABA) is the application of behaviour-analytic principles to help with socially important behaviours. ABA is used in many settings and with a wide range of problems, it is one the evidence-based interventions for many challenging behaviour problems. It emphasises the analysis of the function of the behaviour as a means of selecting ways to change it. ABA provides the evidence-base for techniques that help people gain new skills and that help developing ways of preventing problem behaviour starting. It is an evidence-based strategy for working with people with intellectual disabilities and/or autism. It provides the basis for the approach to behaviour change known as *Positive Behavioural Support* (PBS).

*Clinical Behaviour Analysis* (CBA) that involve the application of behaviour-analytic principles through verbal strategies to help people with their problems.
These therapies, termed third generation behaviour therapies, include *Dialectical Behaviour Therapy* (DBT), *Acceptance and Commitment Therapy* (ACT), *Behavioural Activation* (BA), *Functional Analytic Psychotherapy* (FAP) and *Integrative Behavioural Couples Therapy* (IBCT).

**Careers in Behaviour Analysis**

Some students study Behaviour Analysis in order to apply their knowledge and skills to human problems, and to do work based on behavioural principles in an applied setting or to undertake research in these areas. Others study it to work with animal behaviour, they may be are interested in researching animal behaviour or dealing with animal welfare issues, animal problem behaviours or interested in animal training. Some combine both research and practice and/or the study of animal and human behaviour.

For whatever reason you are considering taking courses in this area, the behavioural courses and programmes will provide you with the knowledge which you can use to understand, study and work practically with behaviour. An understanding of how and why behaviour occurs and how it can be changed for the better is of fundamental value to almost all professions.

Depending on your specialty, you may work in a range of settings (including research institutions, private practice, schools, special education settings, universities, health services, business and industry, governmental agencies and zoos), and with a range of populations (including families, people with psychological problems, children with challenging behaviours, individuals with special needs, teachers, people and their pets, agricultural species and any others seeking positive behaviour change.

Students who specialised in the application of Behaviour Analysis to human issues and clinical problems are working in the community, in mental health, and in educational settings with individuals with a wide range of problems, including Autistic Spectrum Disorder, Conduct Disorder, and Attention Deficit Hyperactivity Disorder.

However, it doesn't matter what type of psychology you choose to practice, or whether you end up in a field orientated to people or animals. What is important is that you gain an understanding of how and why organisms behave (i.e., what maintains and/or influences behaviour (whether it be private or public)).

**Practical Experience in ABA**

Many students intending careers involving application of behaviour analysis gain practical experience alongside their undergraduate and graduate studies. This can be voluntary or paid, such as a support work. In addition, experience can sometimes be gained working for parents or trusts who employ students specialising in ABA to work with their children, helping to implement programmes for them.

The graduate programme includes training in the skills required to work practically applying behaviour analytic principles to behaviour change with humans. The
postgraduate programme provides supervision and training for students who are completing internships to become Registered Psychologists in NZ and for those seeking to be skilled Behaviour Analysts.

**Behaviour Analysis at the University of Waikato**

The undergraduate, graduate, and postgraduate courses in Behaviour Analysis provide training in the Experimental Analysis of Behaviour, Applied Behaviour Analysis and Clinical Behaviour Analysis. The graduate and postgraduate courses in Behaviour Analysis provide course work sequences approved by the Behavior Analysis Certification Board, Inc. (BACB®) as meeting the requirements for certification as an Assistant Behaviour Analyst or as a Behaviour Analyst.

The courses can be taken on campus in Hamilton or on-line and as part of a **Postgraduate Diploma in Psychology** or the **Masters in Applied Psychology in Behaviour Analysis**.

The **Postgraduate Diploma in the Practice of Psychology** in Applied Behaviour Analysis is a post-masters or post-doctorate qualification that is designed to provide the requirements for registration as a Psychologist in New Zealand, specializing in the application of Behaviour Analysis. It provides the supervised practical experience required for registration as a Psychologist in NZ and, provided the internship is appropriate, the supervised practical experience (termed a university-based practicum) required by the BACB® to become a BCBA®. It also includes courses on the applications of behaviour principles to human behaviour and provides some of the coursework required for applying to the BACB® for certification as a **Board Certified Behavior Analyst** (BCBA®) (see later in this document).
Learning, Behaviour and Welfare Research Unit (LBWRU)

The Learning, Behaviour and Welfare Research Unit at The University of Waikato is involved with both experimental and applied research in Behaviour Analysis with both animals and humans.

The research activity LBW RU is aimed at advancing the understanding of human and animal behaviour. It includes application of psychological principles to human behaviour problems and the improvement of animal welfare. Many of the advances in behavioural therapies have their basis in laboratory research that was conducted with both humans and animals. Some of the research has a direct cross over between the experimental analysis of behaviour with animals to the applied analysis of behaviour with humans, such as in the areas of reinforcer preference, self-control, and stimulus generalisation.

Research with animals includes the study of animal learning and abilities (including psychophysics), the measurement of animal needs and preferences and presently involves domestic hens, brush-tailed possum, horses and domestic dogs. Much of the research fits within the Experimental Analysis of Behaviour.

Research with humans includes studies based in Behaviour Analysis covering both applied behaviour analysis and the experimental analysis of human behaviour. Recent theses include topics such as fluency building and precision teaching, relational responding, classroom interactions, preference measurement, establishing operations, dealing with challenging behaviour, and acceptance and commitment therapy.

The LBWRU supports research for Masters and PhD students as well as for School of Psychology staff.
For more information on the Unit see:
www.waikato.ac.nz/fass/about/psychology/research/behaviour-analysis

For a list of some of the theses completed see:
www.waikato.ac.nz/fass/research/centres-units/lbwru/theses-and-research-students

Electronic versions of theses completed since 2006 can be found through:
researchcommons.waikato.ac.nz/handle/10289/2222
Undergraduate Courses in Behaviour Analysis

Students who wish to study Behaviour Analysis at The University of Waikato at undergraduate level should complete a BA, BSc or BSocSc with a major in Psychology and should include PSYC103 General and Experimental Psychology, PSYC225 Behavioural Psychology and Learning and PSYC314 Behaviour Analysis in their degree.

Depending on the area of their interests, students should consider including PSYC337 Psychological Measurement and PSYC338 Abnormal Psychology in their degree.

If interested in working in and educational settings then they should consider including courses related to education in their degree. A double major in Psychology and Education could be considered by students wishing to work in special education or in other educational settings.

If interested in animal behaviour they should consider including PSYC303NET Clinical Animal Behaviour and Biological Science courses in their degree. A double major in Psychology and Biological Sciences could be considered by students wishing to work in animal behaviour and/or animal welfare.

Qualifications including undergraduate courses in Behaviour Analysis for Graduates in subjects other than Psychology

Students who already hold a bachelors degree in a subject other than psychology may include the Behaviour Analysis undergraduate course and the suggested courses (outlined above) as part of a Diploma in Social Sciences (Dip(SocSc)) in Psychology (calendar.waikato.ac.nz/regulations/diplomas/dip.html) or a Graduate Diploma in Psychology, (GradDip(Psych)) (calendar.waikato.ac.nz/regulations/diplomas/graddip.html) to gain entry into the postgraduate qualifications.
Postgraduate Qualifications that can include Behaviour Analysis

Graduate and postgraduate courses in Behaviour Analysis can be taken separately or as part of a specialist qualification. Students wishing to include some Behaviour Analysis courses in their postgraduate qualification may take them as part of one of the one year postgraduate programmes:

• Postgraduate Certificate in Psychology, PGCert(Psych)  
  calendar.waikato.ac.nz/regulations/certificates/pgcert.html

• Postgraduate Diploma in Psychology, PGDip(Psych)  
  calendar.waikato.ac.nz/regulations/diplomas/pgdip.html

• Bachelor of Social Sciences with Honours, BSocSc(Hons)  
  calendar.waikato.ac.nz/regulations/graduate/bsocschons.html

• Master in Social Sciences, MSocSc  
  calendar.waikato.ac.nz/regulations/graduate/msocsc.html

Or as part of the two-year programme:

• Master of Science (MSc)  
  calendar.waikato.ac.nz/regulations/masters/msc.html
Postgraduate Qualifications Specialising in Behaviour Analysis

The specialist programmes in Behaviour Analysis are:

- **Masters of Applied Psychology in Behaviour Analysis, MAppPsy(BA),** this can be taken as a two-year post-bachelors or as a one-year post-honours or post-PGDip qualification, depending on the Student’s background. (see calendar.waikato.ac.nz/regulations/graduate/mapppsy.html).
- **Postgraduate Diploma in the Practise of Psychology in Applied Behaviour Analysis, PGDipPracPsych(ABA),** this is a one-year post-masters qualification (see calendar.waikato.ac.nz/regulations/diplomas/pgdippracpsych.html).

Students who already have a masters degree in Psychology and who wish to study Behaviour Analysis further may, with permission, take the complete University of Waikato BACB® approved Behaviour Analysis coursework sequence required to become a BCBA® as the first year of an MAppPsy(BA) or as a PGDip(Psych) (for details, see later in this booklet).

**Doctoral Programme in Behaviour Analysis**

The University of Waikato offers a **research-only** doctoral programme leading to a Doctorate in Philosophy (PhD) degree. Students with the appropriate level of honours in their masters degree may enrol in a PhD and undertake a research topic in Behaviour Analysis (see calendar.waikato.ac.nz/regulations/graduate/phd.html). There is no coursework in a research-only PhD. Students develop a research programme which they then conduct over two to three years under supervision. This research programme and its results are then written up as a thesis that is submitted for examination. It is possible to write up and submit components of the research to relevant journals for consideration for publication as they are completed.

**Further Information**

For further information on any of these options e-mail behaviour@waikato.ac.nz

More information is also available through the University of Waikato website (www.waikato.ac.nz) and through www.waikato.ac.nz/fass/about/psychology/research/behaviour-analysis and www.waikato.ac.nz/go/behaviour
Master of Applied Psychology in Behaviour Analysis (MAppPsy(BA))

The Master of Applied Psychology in Behaviour Analysis at the University of Waikato provides students with:

- a sound understanding of the underlying concepts and principles associated with Behaviour Analysis, and of the applications of these concepts and principles.
- a knowledge of the research skills required for behaviour analysis, including the ability to read, interpret and appraise published behavioural research critically, and the ability to conduct fundamental and, where appropriate, applied research in behaviour analysis.
- an understanding of functional analyses of problem behaviour and of how to develop an appropriate programme for behaviour change in their area of specialty.
- analytic and library research skills, and skills in presenting proposals and reports in both written and oral format.

The Behaviour Analysis courses available for this degree are approved by the Behavior Analyst Certification Board, Inc.® (BACB®) as providing some of the course work hours required before candidates can apply to the BACB® sit either the BCaBA® or the BCBA certification examinations. The courses are based around the BACB® Fourth Edition Task List.

MAppPsy(BA) Degree Requirements

When this degree is the student’s first postgraduate qualification in Psychology it normally takes two years (full time) to complete. The programme requires 240 points, 120 of the required points are taken in the first year. These points normally come from five courses in Behaviour Analysis and three elective courses, as outlined below. Elective courses are selected in consultation with the Behaviour Analysis programme staff. The second year typically involves a 120 point thesis. However, if the student requires further academic background, they may be required to complete a 90-point thesis or a 60-point dissertation and gain the remaining 30 or 60 points from the Year 1 courses.
Year 1 MAppPsy(BA) – Course Work

Year 1 of the MAppPsy(BA) normally comprises 120 points of courses. The four core behavioural courses (15 points each) must be included, and candidates intending to go on to professional practice with humans should also include PSYC587 Behaviour Analysis Practicum (15 points). Under some circumstances PSYC588 or PSYC589 Directed Study (15 points) or PSYC590 Directed Study (30 points) in a relevant area may be included as well as or instead of this. The remaining 45 points come from other graduate courses, selected in discussion with the programme staff. The Behaviour Analysis courses are offered either on campus (HAM) or on-line (NET).

Core Courses

PSYC538B HAM or NET (15 pt) PSYC577B HAM or NET (15 pt) Recent Research in Behaviour Analysis Applications of Behaviour Analysis

The aim of this course is to examine and critique recent applications of the methods and theories of behaviour analysis in a range of settings to both prevent and change problems. Students should gain the knowledge and background to be able to design, monitor, and evaluate behavioural plans in applied settings. This course has a practical component.

PSYC560A HAM or N PSYC577B HAM or NET (15 pt) Recent Research in Behaviour Analysis ET (15 pt) Applied Behaviour Analysis: Theory and Issues

This course considers the conceptual theory behind, and the issues raised by, the implementation of behavioural programmes across a wide range of applied areas. It addresses issues such as evidence-based practice, behavioural approaches to causation, private events, emotions, and verbal behaviour and how these relate to applications of behaviour analysis to changing human behaviour. It introduces the ideas and theory behind third generation behaviour therapies.

PSYC561A HAM or NET (15 pt) Behaviour Analysis Research and Theory

This course provides coverage of theory and research in several selected areas relevant to the understanding of behaviour. The aim of this course is to provide students with a) an understanding of the theoretical/conceptual principles underlining the research, b) the ability to examine and critique research in the area and c) an understanding of how theories, techniques and research in the Experimental Analysis of Behaviour are relevant to the understanding of behaviour and behaviour change.

PSYC577B HAM or NET (15 pt) Recent Research in Behaviour Analysis

This course covers a range of topics in the applications of laboratory-derived principles to the understanding of, and attempts to change, human behaviour. Students will be brought up to date with the recent research in these areas and will learn to read, understand and critically evaluate the literature which attempts to apply the laboratory findings to human behaviour change.
PSYC587C HAM or NET (15 pt) Behaviour Analysis Practicum.

This course aims to introduce students to the processes involved in applying behavioural principles to helping change human behaviour. It gives students the experience of using some of the professional skills required to be able to do this work. To allow time for the practical component of the course it starts at the beginning of the A Semester and continues until completed (normally it will continue into the B Semester). There is regular class contact in this course and the practical work is skills building and does not contribute to a BACB® practicum.

The course can be taken as a NET course with permission of the course coordinator and provided the student has access to an appropriate setting in which the practical component of the work can be completed.

In some circumstances, a directed study can be taken instead off PSYC587.

Directed studies are numbered:

**PSYC588A or B or PSYC589A or B (15 pt) Directed Study or PSYC590 (30 pt) Directed Study (can be HAM or NET)**

Enrolment in a directed study requires that the student first find a supervisor. They then arrange the content and form of the study and the assessment and dates with that supervisor. Directed studies can involve research and/or assignments. Two directed studies may be included in a Masters of Applied Psychology degree.

**On-line (NET) Courses**

The courses are available on-line when they have a NET extension or on-campus (with a HAM extension). Where both are available the two versions are taught synchronously. Students wishing to work on-line enrol in the NET version of each course. Each course involves a two-hour class and one hour of tutorial work per week. On-line (NET) students may attend classes in real time through video-conferencing. All classes are recorded and made available on-line. Both NET and on-campus students complete the tutorials for these courses on-line at times that suit them. NET students also complete the practical work for PSYC538 on-line in their own time. On-campus students may do this practical work on-line or on-campus.

**Elective Courses**

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC581A (15 pt)</td>
<td>HAM Psychological Assessment</td>
<td></td>
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<tr>
<td>PSYC564B (15 pt)</td>
<td>HAM Child Psychopathology</td>
<td></td>
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<tr>
<td>PSYC559A (15 pt)</td>
<td>HAM or NET Animal Behaviour and Welfare</td>
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<tr>
<td>PSYC575A (15 pt)</td>
<td>HAM Psychological Applications and The Treaty of Waitangi</td>
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Other psychology courses relevant to the student’s specialty (such as PSYC556 -
Advanced Topics in Abnormal Adult Psychology) may be included with approval from the programme staff.

Students with biology in their undergraduate degree, in addition to their psychology major, and with an interest in applications of Behaviour Analysis to animal behaviour may consider taking relevant 500 level psychology courses in animal behaviour or courses in biological sciences. Students with education in their undergraduate degree, in addition to their psychology major, may include an appropriate education 500-level course.

**Elective Courses for On-line Students**

Students who wish to take the full MAAppPsy(BA) on-line should discuss their elective options with the staff in the programme. It is possible to include PSYC559 and two directed studies as electives or to include appropriate courses from other universities.

**Year 2 MAAppPsy(BA) - Thesis (or Dissertation)**

Year 2 of the MAAppPsy(BA) programme normally comprises a 120 point research thesis on a behavioural topic. The 120 point thesis is numbered:

**PSYC594C Thesis (120 pt)**

If the student requires further academic background then they may need to take some courses in Year 2. In this case they may enrol in a dissertation or smaller research thesis. These are numbered:

**PSYC593C Thesis (90 pt)** and with this they would include 30 points (2x15 point courses) from the Year 1 courses,

or

**PSYC 592C Dissertation (60 pt)** and with this they would include 60 points (4x15 point courses) from the Year 1 courses.

**Thesis and Dissertation Time Frame:**

Enrolment in a thesis or dissertation is normally for 12 month full time (or 24 months for a part-time enrolment). The 12-(or 24) month period can start at any time of the year on a date selected by the student in consultation with their supervisor.

The research write-up of the thesis or dissertation is due in 12 (or 24) months from that date. If the 12 (or 24) months terminates on a weekend day or a New Zealand public holiday the due date is brought forward to the work day prior to the weekend or holiday. A 21-day extension to this period can be applied for through the student’s supervisor prior to the end of the 12 (or 24) months.

If the research is not completed at the end of the 12 (or 24) months the student may enrol in the research course for a further period at that time.
# Summary of MAAppPsy(BA) Degree Structure

## Year 1

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<tr>
<th>Core Courses (75 pt)</th>
<th>Elective Courses (45 pt)</th>
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<tbody>
<tr>
<td>PSYC538 (15 pt)</td>
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<tr>
<td>PSYC560 (15 pt)</td>
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<td>PSYC561 (15 pt)</td>
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<td>PSYC577 (15 pt)</td>
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<td>PSYC587 (15 pt)</td>
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## Year 2

- Thesis (120 pt) on a behavioural topic
- or...
- Thesis (90 pt) on a behavioural topic
- or...
- Dissertation (60 pt) on a behavioural topic

## MAAppPsy(BA) Entry Requirements

**MAAppPsy(BA) programme for the two-year degree requires:**

- a Bachelor’s Degree with a major in Psychology,
- at least a B+ average in Psychology undergraduate courses,
- a pass in PSYC307 *Research Methods* or an equivalent, and
- a pass in PSYC314 *Behaviour Analysis* or equivalent.

**Entry into Year 1 provides automatic entry into Year 2 of the programme.**

Some of the possible elective courses for the MAAppPsy(BA) may have pre-requisite requirements over and above those required for the Behaviour Analysis courses and for entry into the programme. When possible, students should check these when selecting their third year undergraduate papers. Which undergraduate courses are best for that
student will depend on the area the student wishes to specialise in. It is possible to complete some of the prerequisite papers concurrently with MAAppPsy(BA) programme of they were not taken previously.

**Entry into Year 2 of a MAAppPsy(BA) programme for the one-year degree and requires:**

- a completed a PGDip(Psych) or a Bachelor’s with Honours degree in Psychology including some or all of the core 500-level courses for the programme,
- an average grade of at least a B+ averaged over their Psychology graduate courses.

Students accepted into the programme at Year 2 may be required to take specific courses alongside their thesis or dissertation depending on the content of their PGDip(Psych) or Honours degree courses.

**Using a PGDip(Psych) or a BSocSc(Hons) (with appropriate courses) as a substituted for Year 1 of the MAAppPsy(BA)**

Candidates from the University of Waikato whose grades do not meet the grade requirement or those who have a high enough grade average but who would prefer to do a BSocSc(Hons) degree may take the MAAppPsy(BA) Behaviour Analysis courses as part of a PGDip(Psych) or a BSocSc(Hons). These candidates can then apply for entry to the MAAppPsy(BA) at Year 2 and can take the MAAppPsy(BA) as a one-year degree once their PGDip(Psych) or BSocSc(Hons) is complete. If they have some but not all of the Year 1 content then they may be required to take additional courses as part of Year 2.

Candidates from outside of the University of Waikato who have completed a PGDip or an Honours degree in Psychology may apply to take a one-year MAAppPsy(BA) provided they have content equivalent to that in Year 1 of the MAAppPsy(BA) courses in that qualification. If they have some but not all of the content then they may be required to take additional courses as part of Year 2.
Post-Masters PGDip(Psych) Specialising in Behaviour Analysis

Candidates who have already completed a Master’s degree in Psychology and who wish to complete a postgraduate qualification in Behaviour Analysis that covers all the course work required for certification as a Behaviour Analysts by the BACB® (see later in this document) may complete the post-masters courses, PSYC551 and PSYC552, alongside four of the graduate courses in Behaviour Analysis. These can be taken as Independent Paper Credits (IPCs) or as a PGDip(Psych).

All six courses can be completed on-campus or on-line.

The courses for a PGDip(Psych) specialising in Behaviour Analysis are:

- PSYC538B HAM or NET (15 pt) Applications of Behaviour Analysis
- PSYC560A HAM or NET (15 pt) Applied Behaviour Analysis: Theory and issues
- PSYC561A HAM or NET (15 pt) Behaviour Analysis Research and Theory
- PSYC577B HAM or NET (15 pt) Recent Research in Behaviour Analysis

Classes for these may be attended in real-time on-campus or by video conference and are also recorded for later viewing. Tutorials are on-line and are completed on-line in the student’s own time.

The post-masters courses for this are:

- PSYC551C HAM or NET (20 pt) Professional issues in Psychology (ABA)
- PSYC552C HAM or NET (40 pt) Case study Analysis in Applied Psychology (ABA)

These last two courses together take a full 12 months to complete with one class and one tutorial per week every week of the year except for the last weeks in December and the first weeks of January. One third of the classes and tutorials are for PSYC551 and two thirds are for PSYC552.

Net students attend the classes for these in real time by video conference. The classes are scheduled for two hours on Monday afternoons (New Zealand time). Tutorials are on-line and are completed at any time.

The courses PSYC538, PSYC560, PSYC561, and PSYC577 would normally be taken prior to PSYC551 and PSYC552.
Applying for Entry to the MAppPsy(BA) or a PGDip(Psych)

Potential applicants should approach the School of Psychology for help in planning the most appropriate course of study for their needs and background (e-mail behaviour@waikato.ac.nz).

Applications for these programmes should contain the applicant’s full name and contact details. Students who are not graduates of Waikato should also include their academic record. Details of the each student’s course of study must be approved by the programme staff prior to the student being accepted into the programme.

Applications can be made electronically (e-mail: Psychology@waikato.ac.nz) or by letter or using an application form (available from the School of Psychology) sent to:

School Manager
School of Psychology
The University of Waikato
Private Bag 3105
Hamilton 3240,
NZ

More information is available through the University of Waikato website www.waikato.ac.nz and through www.waikato.ac.nz/fass/about/psychology/research/behaviour-analysis and www.waikato.ac.nz/go/behaviour
Postgraduate Diploma in the Practice of Psychology (Applied Behaviour Analysis)

PG Dip Prac Psych (ABA)

The PG Dip Prac Psych (ABA) provides those with Masters or Doctorate degrees containing a substantial component of Behaviour Analysis with:

1. a quality learning experience for making the transition from academic knowledge to professional practice;
2. a means of achieving a postgraduate qualification recognized in both New Zealand and Australia; and
3. a pathway for registration as a psychologist in NZ under the Health Practitioners Competency Assurance Act.

Graduates of the PG Dip Prac Psych (ABA) will have developed practical skills in applying behavioural principles to a range of behaviour problems in their area of specialty, including experience with functional analyses of problem behaviour, with developing and applying appropriate programmes for behaviour change, with the design of techniques for assessment and data collection, with implementing behaviour change programmes and adjusting them in the light of any problems that arise, and of addressing ethical issues while abiding by the guidelines for responsible conduct of Behaviour Analysts. They will have developed skills and knowledge in positive behavioural approaches to dealing with challenging behaviour and in clinical applications of Behaviour Analysis.

Candidates for this qualification must enrol and follow an approved programme of study in the Faculty of Arts and Social Sciences for at least one year of full time study, or not more than three years of part-time study.

PG Dip Prac Psych (ABA) Structure

The PG Dip Prac Psych (ABA) is a one-year full-time or two-year part-time postgraduate diploma worth 120 points. The programme includes three courses that are normally taken simultaneously to complete the diploma.

Two courses, PSYC551 Case Study Analysis in Applied Psychology and PSYC552 Professional Issues in Psychology, provide course work that is covered during regular meetings and tutorials. These courses require regular submission of assignments. Both course are offered on-campus or on-line.

The course - PSYC553 The Practice of Psychology - provides supervision for the internship. Undertaking PSYC553 requires regular attendance at supervision meetings and regular maintenance of a professional practice log. PSYC553 requires the student completes 1500 hours of supervised professional practice over a year if taken full-time.
(part-time enrolment is also possible), Students practising outside of Hamilton can attend university-based group and individual supervision through video conferences and internet based meetings.

All three courses are run for the full 12 months year (Except for the end of December and the start of January) and use the electronic classroom. PSYC551 and PSYC552 classes may be attended in person or by video conference and take place every Monday afternoon (except NZ public holidays – in which case there will be an on-line class to be completed in the students’ own time). Some Monday classes are for PSYC551 and some for PSYC552.

The programme can be started at any time of the year. The intern starts the course work ongoing at the time of entry and works on it for 12 months until all topics are covered. If there are no places available in the programme at the time an application is submitted then it will still be processed and if it is determined that entry would be approved if there were space, candidates will be notified and may choose to be placed on a wait-list for entry. Entry will then be approved once space is available.

**PGDipPracPsych(ABA) Courses**

**PSYC551C Case Study Analysis in Applied Psychology (ABA) (40 pt)**

HAM or NET. The primary objective of this course is for students to extend their psychological and behavioural knowledge and to address issues related to practice, i.e., recognising how behavioural theory and research can be applied to particular needs faced in practice, developing evidence-based interventions, and evaluating the effectiveness of psychological interventions. It is part of the University of Waikato BCBA® approved coursework sequence.

**PSYC552C Professional Issues in Psychology (ABA) (20 pt)**

HAM or NET. This course develops knowledge and skills in the professional practice of behavioural psychology and in understanding what constitutes professional conduct. The course helps develop an in-depth understanding of ethical principles and other professional issues in the practice of behavioural psychology, especially issues relating to the student’s field of specialisation. Codes of Ethics, the BACB® Disciplinary Standards and their Guidelines to Responsible Conduct will be covered in depth. It is part of the BCBA® coursework sequence.

**PSYC553C The Practice of Psychology (ABA) (60 pt)**

The course develops students’ skills in the application of behaviour analysis through supervision of their day-to-day practice throughout the period of enrolment. The course will help develop skills in applying psychological knowledge to practical concerns in the field of behaviour analysis and help the development of a scientist-practitioner approach to solving applied problems. Students in this course must be in appropriate paid or voluntary work in NZ and must register as intern psychologists with the NZ Psychologists Board before starting this course. This course provides a BACB® approved practicum.
PGDipPracPsych(ABA) for Registration as a Psychologist in NZ

The programme is accredited by the **NZ Psychologists Board** as providing the training required for and supervision of 1500 hours of professional experience required for students in NZ wishing to register as Psychologists in NZ under the NZ Health Practitioners Competence Assurance Act (<www.moh.govt.nz/hpca>) in NZ.

Students must have appropriate internship employment and have their field supervisor arranged to enter the programme (see entry requirements). Once accepted into the programme students must apply to the NZ Psychologists Board to register as intern psychologists **prior to starting PSYC553**. For the application form and fees for this see: <www.psychologistsboard.org.nz/>

The University of Waikato offers PSYC553 only to interns in practice in NZ

**PGDipPracPsych(ABA) for BACB® Certification**

The complete University of Waikato BACB® approved course sequence includes PSYC538, PYS560, PSYC561, and PSYC577 (see information earlier in the booklet). PSYC551 and PSYC552 from the PGDipPracPsych(ABA), provide the remaining coursework hours for this BACB® approved course work sequence (see the later section on BCBA® certification).

PSYC553 provides a BACB® approved practicum from the University of Waikato that involves 1000 hours of Behaviour Analysis practice. For this, 1000 hours of the 1500 hours internship must fit the BACB’s® definition of Behaviour Analysis Practice and must have appropriate supervision (for details see later in this booklet).

Where a student’s practice in the applied setting cannot be viewed regularly in real time by a supervisor then students who are taking this BCBA® practicum are required to produce videos or other types of recordings of their practice during supervision for each individual supervision session for feedback.

Further details of the BACB® requirement are given later in this booklet under the section on BCBA® approved practical experience.

Presently the University of Waikato offers the BACB® approved practicum only to those in practice in NZ.
PGDipPracPsych(ABA) Entry Requirements

In addition to fulfilling the requirements set out in the appropriate University of Waikato regulations students must meet the School of Psychology requirements for entry into the programme. The School of Psychology requirements are:

- A Masters or Doctoral degree specialising in Behaviour Analysis.
  Where a candidate has not completed a named degree in Behaviour Analysis, the School of Psychology will assess whether sufficient graduate-level papers and a thesis/dissertation in the specialisation have been taken to allow entry. Students may be required to take extra course work prior to or concurrently with the programme.

- Ongoing, full-time or part-time employment (either paid or unpaid) in NZ which provides the opportunity to practice Behaviour Analysis within an organisation that allow this work to be used as an internship.
  Whether the employment requirement is met will be determined by the School of Psychology from the job description. A signed letter of agreement from the candidate’s organisation/manager is also required. Whether or not the employment is suitable to provide a practicum that meets the BACB® requirements will be determined at this time.

- The availability of field supervision for PSYC553.
  Field supervision should be from a Registered Psychologist, or, if the student is undertaking a BCBA® practicum, from a Registered Psychologist who is also a BCBA®

- The availability of a place in the programme,
  This is determined by the class size at the time of application and by the availability of University-based supervision

Entry is subject to the approval of the Chair of the School of Psychology.
Applying for Entry into the PGDipPracPsych(ABA)

Before applying formally for entry into this programme candidates should contact the School of Psychology to discuss their plans, including the suitability of the employment and the availability of appropriate supervision (e-mail behaviour@waikato.ac.nz). They will be put in touch with the appropriate staff to talk about this.

Application can be made at any time of the year and the programme can be started once the applicant has been accepted and the intern has registered as an intern psychologist.

Information about how to apply and what is needed is available from the School of Psychology.

Applications will include details of employment to confirm the employment is appropriate for this programme, details of field supervision, details of the student’s academic background, and the names of two referees.

Students who have not graduated through the University of Waikato should include a detailed academic record and the names of two referees.

Once accepted into this programme the student must apply to the NZ Psychologists Registration Board to register as a Psychology Intern (see NZ Psychologists Board web site for fees and details of how to apply for this).

As noted it may be that final acceptance has to be delayed until there is a place in the programme. In these cases the applicant will be notified and asked if they wish to wait for a place to become available.

Applications for entry into the PGDipPracPsych(ABA) programme should be made to the School of Psychology:

   The School Manager
   School of Psychology
   Re: PGDipPracPsych(ABA)
   The University of Waikato
   Private Bag 3105
   Hamilton, 3240
   New Zealand

More information is available through the University of Waikato website
www.waikato.ac.nz,
www.waikato.ac.nz/fass/about/psychology/research/behaviour-analysis
see also www.waikato.ac.nz/go/behaviour
Certification as an Assistant Behaviour Analyst or a Behaviour Analyst under the Behavior Analyst Certification Board, inc.® (BACB®)

There are two levels of certification provided by the Behavior Analyst Certification Board:

- Board Certified Assistant Behavior Analyst (BCaBA®) and
- Board Certified Behavior Analyst (BCBA®).

Both require the candidate to complete a specified number of hours in academic course work covering specific content areas, a specified number of supervised hours of appropriate practical experience and to pass an examination run by the BACB® (see www.bacb.com/).

**BACB® Course Sequences and Coursework Hours**

The School of Psychology at the University of Waikato course sequences are approved by the BACB® as providing the academic course work hours required for a student to apply to sit the certification examination to become a BCBA® or a BCaBA®.

The BACB® specifies the coursework hours required in a range of content areas. Coursework hours for the BCaBA® may be from both undergraduate and graduate/postgraduate; courses. Those for BCBA® must all be from graduate/postgraduate courses. The BACB® Task List (Fourth Edition) is the basis of the present coursework sequences. The BACB® Fourth Edition Task List content applies to the certification examination from 2015.

The content areas, the coursework hours required in each, the courses for the BACB® approved course sequences and the hours in each area obtained by completing each course up to 2010 and from 2010 to 2012 are given in appendices to this document, together with the BACB® required content areas and hours for those periods.

The course content and associated hours for the course work sequences at the University of Waikato from 2013 meet the BACB® requirements associated with the Fourth Edition Task List. Completing any of the courses given here will gives a credit of the number of coursework hours shown for the content areas indicated.
BACB® Approved Course Sequences

The Approved Course Sequence for a Board Certified Assistant Behaviour Analyst

This table lists the course content and coursework hours required by the BACB® for certification as a BCaBA® with the 4th Edition Task List.

<table>
<thead>
<tr>
<th>Content Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Ethical &amp; Professional Conduct</td>
<td>15</td>
</tr>
<tr>
<td>B. Concepts &amp; Principles of Behaviour Analysis</td>
<td>45</td>
</tr>
<tr>
<td>C. Research Methods in Behaviour Analysis</td>
<td></td>
</tr>
<tr>
<td>Measurement (incl Data Analysis)</td>
<td>10</td>
</tr>
<tr>
<td>Experimental Design</td>
<td></td>
</tr>
<tr>
<td>D. ABA</td>
<td></td>
</tr>
<tr>
<td>Identification of the Problem &amp; Assessment</td>
<td>30</td>
</tr>
<tr>
<td>Fundamental Elements of Behaviour Change &amp; Specific Behaviour Change Procedures</td>
<td>45</td>
</tr>
<tr>
<td>Behaviour Change Systems</td>
<td>5</td>
</tr>
<tr>
<td>Intervention &amp; Behaviour Change Considerations</td>
<td>5</td>
</tr>
<tr>
<td>Implementation, Management &amp; Supervision</td>
<td>5</td>
</tr>
<tr>
<td>E. Discretionary</td>
<td>15</td>
</tr>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>

The University of Waikato approved BCaBA course sequence

The approved 4th Edition BCaBA® coursework sequence at the University of Waikato consists of the graduate courses: PSYC538, PSY560, PSY561, PSYC577 and PSYC587. Completion of these five courses gives the hours required in all content areas (with extra under C. Research Method in Behaviour Analysis (Measurement and Experimental Design)). These courses together give 191 course work hours. These courses are all part of the MAppPsy(BA) degree and completion of this degree provides the coursework hours for a BCaBA®.

Students intending to take the BCaBA® course work sequence need to include PSYC587C while those intending to progress on to take the full BCBA® course sequence without taking the BCaBA examination do not.

The undergraduate courses PSYC225 and PSYC314 at the University of Waikato provide
material that could count towards BCaBA® coursework hours. However, only the graduate/postgraduate courses are included in the approved coursework sequence for BCaBA® from 2013. If you wish to claim undergraduate coursework hours towards becoming a BCaBA® you can do so by submitting the course outlines and suggested hours to the BACB® when applying to sit the examination. Suggested hours are given in an Appendix 3.

*This table gives course content and coursework hours for each of the graduate courses approved by the BACB® as being appropriate for certification as a BCaBA® at the University of Waikato based on the 4th Edition Task List.*

<table>
<thead>
<tr>
<th>Content Area</th>
<th>PSYC</th>
<th>Total Hrs</th>
<th>Req Hrs</th>
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<tr>
<td></td>
<td>538B</td>
<td>560A</td>
<td>561A</td>
</tr>
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<td>A. Ethical &amp; Prof.</td>
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<td>-</td>
<td>10</td>
</tr>
<tr>
<td>B. Concepts &amp; Princ.</td>
<td>-</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C. Research Methods in BA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure't</td>
</tr>
<tr>
<td>Exper. Des.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. ABA</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Identification etc.</td>
<td>10</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>20</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fund. Elem.</td>
<td>24</td>
<td>11</td>
<td>5</td>
<td>5</td>
<td>-</td>
<td>45</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beh Change Syst.</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intervention etc.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Implem. etc.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>E. Discretion.</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>46</td>
<td>35</td>
<td>35</td>
<td>35</td>
<td>40</td>
<td>191</td>
<td>180</td>
<td></td>
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</tbody>
</table>
The Approved Course Sequence for a Board Certified Behaviour Analyst

This table lists the course content required by the BACB® for certification as a BCBA® with the 4th Edition Task List.

<table>
<thead>
<tr>
<th>Content Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Ethical &amp; Professional Conduct</strong></td>
<td>45</td>
</tr>
<tr>
<td><strong>B. Concepts &amp; Principles of Behaviour Analysis</strong></td>
<td>45</td>
</tr>
<tr>
<td><strong>C. Research Methods in Behaviour Analysis</strong></td>
<td></td>
</tr>
<tr>
<td>• Measurement (incl Data Analysis)</td>
<td>25</td>
</tr>
<tr>
<td>• Experimental Design</td>
<td>20</td>
</tr>
<tr>
<td><strong>D. ABA</strong></td>
<td></td>
</tr>
<tr>
<td>• Identification of the Problem &amp; Assessment</td>
<td>30</td>
</tr>
<tr>
<td>• Fundamental Elements of Behaviour Change &amp; Specific Behaviour Change Procedures</td>
<td>45</td>
</tr>
<tr>
<td>• Behaviour Change Systems</td>
<td>10</td>
</tr>
<tr>
<td>• Intervention &amp; Behaviour Change Considerations</td>
<td>10</td>
</tr>
<tr>
<td>• Implementation, Management &amp; Supervision</td>
<td>10</td>
</tr>
<tr>
<td><strong>E. Discretionary</strong></td>
<td>30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>270</td>
</tr>
</tbody>
</table>

The University of Waikato approved BCBA course sequence

The University of Waikato approved BCBA® coursework sequence (4th Edition) at the University of Waikato consists of the graduate/postgraduate courses: PSYC538, PSY560, PSY561, PSYC577, PSYC551 and PSYC552. Completion of these six courses gives the hours required in all content areas. These courses together give 276 course work hours.

Students who also take PSYC587 will gain 316 coursework hours.

The following table gives the coursework hours and the course numbers for the University of Waikato approved coursework sequence.
This table gives course content and coursework hours for each of the graduate courses approved by the BACB® as being appropriate for certification as a BCBA® at the University of Waikato based on the 4th Edition Task List.

<table>
<thead>
<tr>
<th>Content Area</th>
<th>PSYC</th>
<th>Tot Hrs</th>
<th>Req Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Ethical &amp; Prof.</td>
<td>5 3 5 10 10 45</td>
<td>70</td>
<td>45</td>
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<tr>
<td>B. Concepts &amp; Princ.</td>
<td>- 15 15 15 - -</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>C. Research Methods in BA</td>
<td>0</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Measure't</td>
<td>2 7 8 8 - -</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Exper. Des.</td>
<td>- 2 7 7 - 5 -</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>D. ABA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Identification etc.</td>
<td>10 - - - 20 30 -</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>Fund. Elem.</td>
<td>24 11 5 5 - 10 -</td>
<td>55</td>
<td>45</td>
</tr>
<tr>
<td>Beh Change Syst.</td>
<td>5 - - - - 5 -</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Intervention etc.</td>
<td>- - - - 5 10 -</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>Implem. etc.</td>
<td>- - - - 5 10 -</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>E. Discretion.</td>
<td>- - - - - - -</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>Total Hrs</td>
<td>46 35 35 35 40 80 45 316 270</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

These courses may be taken as Independent Paper Credits (IPCs) or as part of various qualifications (see earlier).

Students completing a MAppPsy(BA) followed by a PGDipPracPsych(ABA) will cover the full coursework hours required for a BCBA®.

Students who already have an appropriate masters or doctorate degree who are undertaking the full BACB® coursework sequence may take PSYC551 and PSYC552 as NET courses with permission. These two courses can be taken once the student has completed or started PSYC538, PSYC560, PSYC561 and PSYC577. These courses can form part of a post-masters PGDip(Psych) or PGCert(Psych).
BACB® Practicum

The course PSYC553 - The Practice of Psychology (ABA) from the Postgraduate Diploma in the Practice of Psychology in Applied Behaviour Analysis - is approved by the BACB® as providing an appropriate university-based practicum, and it provides the required hours of practice for a BCBA®.

Students taking this practicum must have employment in NZ that allows at least 1000 hours of appropriate practice amongst the 1500 hours required in their internship and must have appropriate supervisory arrangement in place.

Where a student’s practice in the applied setting cannot be viewed regularly in real time by a supervisor then students in this BCBA® practicum are required to produce videos or other types of recordings of their practice during supervision for each individual supervision session for feedback.

The BACB® Experience Practicum Standards


Practicum

To complete PSYC553 to meet the requirements for a BCBA®, requires the intern complete, with a passing grade, 1000 hours of practicum in Behaviour Analysis within this university practicum programme that is approved by the BACB® and is taken for graduate academic credit. To meet the requirements for BCaBA®, 670 hours are require.

In this practicum, a supervisory period is defined as one week. In order to count experience hours within any given supervisory period, interns must be supervised at least once during that period for no less than 7.5% of the total hours spent in Practicum. For example, 20 hours of experience would include at least 1.5 supervised hours.

Appropriate Experience

Appropriate experience is described on the BACB® website ([www.bacb.com](http://www.bacb.com)):

“The applicant's primary focus should be on learning new behavior analytic skills related to the BACB Third Edition Task List. Activities must adhere to the dimensions of applied behavior analysis identified by Baer, Wolf, and Risley (1968) in the article Some Current Dimensions of Applied Behavior Analysis published in the Journal of Applied Behavior Analysis. Supervisees are strongly encouraged to have multiple experiences (e.g., sites, populations) with multiple supervisors and from each of the activity areas below.”
Appropriate experience activities include:

1. Conducting assessments related to the need for behavioural intervention (e.g., stimulus preference assessment, functional assessment, staff performance assessment);
2. Designing, implementing, and systematically monitoring skill-acquisition and behaviour-reduction programs;
3. Overseeing the implementation of behaviour-analytic programs by others;
4. Training, designing behavioural systems, and performance management;
5. Other activities normally performed by a behaviour analyst that are directly related to behaviour analysis such as attending planning meetings regarding the behaviour analytic program, researching the literature related to the program, and talking to individuals about the program.

Direct implementation of behavioural programs may not count for more than 50% of the total accrued experience hours. Direct implementation does not refer to all time spent working with clients. Rather, it refers to time spent delivering therapeutic and instructional procedures. Activities that are not considered direct implementation include designing behavioural programs, naturalistic observation, staff and caregiver training, researching the literature related to the program, and conducting assessments related to the need for behavioural intervention.

Examples of activities that will not count as experience include: attending meetings with little or no behaviour-analytic content; providing interventions that are not based in behaviour analysis; performing non-behavioural administrative activities; and completing non-behavioural assessments (e.g., diagnostic assessments, intellectual assessments), paperwork, documentation, billing, or any other activities that are not directly related to behaviour analysis.

**Appropriate Clients**

These may be any persons for whom behaviour-analytic services are appropriate. However, the supervisee may not be related to the client or the client’s primary caretaker or be the client’s primary caretaker. Supervisees must work with multiple clients during the experience period.
Eligibility to sit the BACB® Certification Examination

Eligibility to sit this examination is assessed by the BACB®

Students at the University of Waikato who complete the approved course sequence will meet the course work requirements to apply to the BACB® to sit the examination to be certified as BCBA® or BCaBA®.

Students at the University of Waikato who complete the PGDipPracPsych(ABA) while in employment that provides appropriate applied behavioural experience and who meet the BACB® supervision requirements will meet the practical experience requirements to apply to the BACB® to sit the examination to be certified as BCBA®.

Supervised Independent Fieldwork: Students who complete the PGDipPracPsych(ABA) but who do not meet the BACB® activities and/or supervision requirements while undertaking this programme may choose to gain appropriate supervised experience to meet the practical experience requirements to apply to the BACB® to sit the examination to be certified as BCBA® using the BACB® Supervised Independent Fieldwork category. This practice must be completed following the BACB® requirements and is arranged by the student privately and not by or through the University.

Supervised Independent Fieldwork hours can be started once the course work has been started. In gaining this practical experience the student needs to follow the BACB® experience standards carefully, they need to find a BCAB as supervisor, and then follow the BACB® supervision requirements.

**Supervised Independent Fieldwork** (1500 hours BCBA, 1000 hours BCaBA)

To qualify under this standard at the BCBA level, supervisees must complete 1500 hours of Supervised Independent Fieldwork in behaviour analysis. To qualify under this standard at the BCaBA level, supervisees must complete 1000 hours of Supervised Independent Fieldwork in behaviour analysis. A supervisory period is two weeks. In order to count experience hours within any given supervisory period, supervisees must be supervised at least once during that period for no less than 5% of the total hours spent in Supervised Independent Fieldwork. For example, 20 hours of experience would include at least 1 supervised hour.

**NOTE** that the BACB® allows combining of experience categories: Interns may elect to accrue hours in a single category or may combine any 2 or 3 of the categories (Supervised Independent Fieldwork, Practicum, Intensive Practicum) to meet the experience requirement, with Practicum having 1½ times the temporal value of Supervised Independent Fieldwork, and Intensive Practicum having 2 times the temporal value of Supervised Independent Fieldwork.
Doctorate in Philosophy Programme (PhD) in Behaviour Analysis

The University of Waikato offers a research-only PhD programme. Students with a background in any area of Behaviour Analysis are welcome to apply. Staff in the School of Psychology can support behaviour analysis research with either human or animal subjects and over a range of experimental and applied topics.

As previously mentioned, there is no coursework in a research-only PhD. Student must develop a research programme which they then conduct over two to three years under supervision. This research programme and its results are then written up as a thesis that is submitted for examination. It is possible to write up components of the research and submit these to relevant journals for consideration for publication as they are completed and prior to the completion of the whole thesis.

The School of Psychology website contains some information on past and ongoing research topics and the University of Waikato website provide access to information on staff publications. See www.waikato.ac.nz/research/expertise/publications.shtml

Many of the University of Waikato Behaviour Analysis PhDs have been undertaken through the Learning, Behaviour, and Welfare Research Unit. For more information on this unit see earlier in this document and: www.waikato.ac.nz/fass/about/psychology/research/behaviour-analysis.

Theses competed in Behaviour Analysis are listed at:
www.waikato.ac.nz/fass/research/centres-units/lbwr/theses-and-research-students.

Electronic copies of theses completed since 2006 can be found through searching the research commons on the university website: researchcommons.waikato.ac.nz/handle/10289/2222

Details of the PhD degree requirements can be found at:
calendar.waikato.ac.nz/regulations/graduate/phd.html

If you are interested in the PhD programme, please get in contact with any of the behavioural staff to discuss potential topics and supervision.
For further information on any of the above contact:

The Administration Manager
School of Psychology
The University of Waikato
Private Bag 3105
Hamilton 3240
New Zealand
Email: behaviour@waikato.ac.nz
Tel: +64 7 838 4032
Fax: +64 7 856 2158

International students should also email international@waikato.ac.nz
Appendix 1 – BACB® required coursework hours (3rd Edition Task List)

Content areas and hours required by the BACB® for certification as a BCaBA up to the first examination in 2015.

a. Ethical considerations - 10 hours
b. Definition & characteristics and Principles, processes & concepts - 40 hours
c. Behavioural assessment and Selecting intervention outcomes & strategies – 25 hours
d. Experimental evaluation of interventions, & Measurement of behaviour and Displaying & interpreting behavioural data - 20 hours
e. Behavioural change procedures and Systems support - 40 hours.

Content areas and hours required by the BACB® for certification as a BCBA® up to the first examination in 2015.

a. Ethical considerations - 15 hours
b. Definition & characteristics and Principles, processes & concepts - 45 hours
c. Behavioural assessment and Selecting intervention outcomes & strategies - 35 hours
d. Experimental evaluation of interventions - 20 hours
e. Measurement of behaviour and Displaying & interpreting behavioural data - 20 hours
f. Behavioural change procedures and Systems support - 45 hours
g. Discretionary - 45 hours.
Appendix 2 – Previous University of Waikato coursework sequences and coursework hours

Up to 2012

The BACB® approved coursework hours for a Board Certified Assistant Behaviour Analyst at the University of Waikato (August, 2011).*

<table>
<thead>
<tr>
<th>Undergraduate Courses</th>
<th>PSYC</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>2</td>
<td>24</td>
<td>13</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

The BACB® approved coursework sequence and coursework hours for a Board Certified Behaviour Analyst at the University of Waikato (August 2011)*.

<table>
<thead>
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<th>Graduate/Postgraduate Courses</th>
<th>PSYC</th>
<th>538</th>
<th>560</th>
<th>561</th>
<th>577</th>
<th>587</th>
<th>589 or 588</th>
<th>721 (541)</th>
<th>722 (542)</th>
<th>Total Hours obtained</th>
<th>Total Hours required</th>
</tr>
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<tr>
<td></td>
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<td>2</td>
<td>2</td>
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<td></td>
<td>26</td>
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</tr>
<tr>
<td>a</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>-</td>
<td>-</td>
<td>20</td>
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</tr>
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<td>12</td>
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<td>10</td>
<td>2</td>
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<td>-</td>
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<td>-</td>
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<td>35</td>
</tr>
<tr>
<td>d</td>
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<td>1</td>
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<td>1</td>
<td>2</td>
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<td>9</td>
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<td>20</td>
</tr>
<tr>
<td>e</td>
<td>3</td>
<td>6</td>
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<td>1</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>-</td>
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<td>20</td>
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<td>-</td>
<td>2</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>16</td>
<td>14</td>
<td></td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>g</td>
<td>7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>20</td>
<td>-</td>
<td>20</td>
<td></td>
<td>30</td>
<td>45</td>
</tr>
<tr>
<td>Totals</td>
<td>46</td>
<td>24</td>
<td>24</td>
<td>24</td>
<td>24</td>
<td>12</td>
<td>60</td>
<td>20</td>
<td></td>
<td>234</td>
<td>225</td>
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</table>

*For students who passed PSYC540 up to 2010 the hours for this course are (a 2, b 16, c 2, d 2, e 2) and for who passed PSYC538 up to 2010 the hours are (a 2, b -, c 13, d 3, e 2,f 13, g 10).
Up to 2010

The BACB® approved coursework hours pre-approved towards the requirements for certification as a BCaBA at the University of Waikato (March 2009).

<table>
<thead>
<tr>
<th>Undergraduate Courses PSYC</th>
<th>Postgraduate Courses PSYC</th>
<th>Total hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>208 225 314 389</td>
<td>540 538 560 561 577 589</td>
<td>obtained</td>
</tr>
<tr>
<td></td>
<td></td>
<td>required</td>
</tr>
<tr>
<td>a  3 2 2</td>
<td>2 5 5 2</td>
<td>21 10</td>
</tr>
<tr>
<td>b  24 13</td>
<td>16 20 10</td>
<td>83 40</td>
</tr>
<tr>
<td>c  7</td>
<td>2 13 12 4 10 2</td>
<td>50 25</td>
</tr>
<tr>
<td>d  4 6 11</td>
<td>4 5 7 2 8</td>
<td>47 20</td>
</tr>
<tr>
<td>e  4 17 10</td>
<td>23 2</td>
<td>56 40</td>
</tr>
<tr>
<td>Totals 7 36 48 12</td>
<td>24 46 24 24 12</td>
<td>257 135</td>
</tr>
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</table>

The BACB® approved coursework sequence and coursework hours for certification as a BCaBA at the University of Waikato (March 2009).

<table>
<thead>
<tr>
<th>Postgraduate Courses - PSYC</th>
<th>Post-masters courses</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>540 538 560 561 577 589</td>
<td>721 (541) 722 (542)</td>
<td>obtained</td>
</tr>
<tr>
<td></td>
<td></td>
<td>required</td>
</tr>
<tr>
<td>a  2 5 5 - - 2</td>
<td>6 6</td>
<td>26 15</td>
</tr>
<tr>
<td>b  16 - - 20 10 -</td>
<td>- -</td>
<td>46 45</td>
</tr>
<tr>
<td>c  2 13 12 4 10 2</td>
<td>3 -</td>
<td>46 35</td>
</tr>
<tr>
<td>d  2 3 1 - - 1</td>
<td>9 -</td>
<td>20 20</td>
</tr>
<tr>
<td>e  2 2 6 - - 1</td>
<td>6 -</td>
<td>21 20</td>
</tr>
<tr>
<td>f  - 13 - - 2</td>
<td>16 14</td>
<td>45 45</td>
</tr>
<tr>
<td>g  - 10 - - -</td>
<td>20 -</td>
<td>30 45</td>
</tr>
<tr>
<td>Totals 24 46 24 24 12</td>
<td>60 20</td>
<td>234 225</td>
</tr>
</tbody>
</table>
Appendix 3 – Coursework hours for undergraduate courses at the University of Waikato from Sept 2012

Suggested coursework hours for the requirements for certification as a BCaBA at the University of Waikato (From September 2012) for Fourth Edition Task List.

<table>
<thead>
<tr>
<th>Content Area</th>
<th>PSYC225 A</th>
<th>PSYC314 B</th>
<th>Total</th>
<th>still needed</th>
<th>required hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Ethical and Professional</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>B. Concepts and Principles of BA</td>
<td>24</td>
<td>13</td>
<td>37</td>
<td>8</td>
<td>45</td>
</tr>
<tr>
<td>C. Research Methods in BA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Measurement (incl Data Analysis)</td>
<td>3</td>
<td>5</td>
<td>8</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>• Experimental Design</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>D. ABA</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>• Identification of the Problem &amp; Assessment</td>
<td>0</td>
<td>7</td>
<td>7</td>
<td>23</td>
<td>30</td>
</tr>
<tr>
<td>• Fundamental Elements of Behaviour Change &amp;</td>
<td>2</td>
<td>5</td>
<td>7</td>
<td>38</td>
<td>45</td>
</tr>
<tr>
<td>• Specific Behaviour Change Procedures</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>• Behaviour Change Systems</td>
<td>3</td>
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<td>7</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>• Intervention &amp; Behaviour</td>
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<td>4</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>E. Discretionary</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Total</td>
<td>36</td>
<td>48</td>
<td>84</td>
<td>87*</td>
<td>180</td>
</tr>
</tbody>
</table>

*After taking these two courses 87 hours more coursework hours are needed for BCaBA® certification. The remaining hours can be obtained by taking postgraduate courses that cover the appropriate content areas from the courses listed under the BCAB® course sequence earlier in this document.