Programme Specification: Undergraduate

For students starting in Academic Year 2024/25

1. Course Summary

Names of programme and award title(s)	BSc (Hons) Neuroscience with Psychology BSc (Hons) Neuroscience with Psychology with International Year (see Annex for details) BSc (Hons) Neuroscience with Psychology with Work Placement Year (see Annex for details) BSc (Hons) Studies in Neuroscience with Psychology BSc (Hons) Studies in Neuroscience with Psychology with International Year (see Annex for details) BSc (Hons) Studies in Neuroscience with Psychology with Work Placement Year (see Annex for details)
Award type	Single Honours
Mode of study	Full-time
Framework of Higher Education Qualification (FHEQ) level of final award	Level 6
Normal length of the programme	3 years; 4 years with either the International Year or Placement Year between years 2 and 3
Maximum period of registration	The normal length as specified above plus 3 years
Location of study	Keele Campus
Accreditation (if applicable)	All routes, excluding the 'Studies in' routes, are accredited by the Royal Society of Biology. For further details see the section on Accreditation.
Regulator	Office for Students (OfS)
Tuition Fees	**UK Students:** Fee for 2024/25 is £9,250* The fee for the international year abroad is calculated at 15% of the standard year fee The fee for the work placement year is calculated at 20% of the standard year fee

How this information might change: Please read the important information at http://www.keele.ac.uk/student-agreement/. This explains how and why we may need to make changes to the information provided in this document and to help you understand how we will communicate with you if this happens.

* These fees are regulated by Government. We reserve the right to increase fees in subsequent years of study in response to changes in government policy and/or changes to the law. If permitted by such change in policy or law, we may increase your fees by an inflationary amount or such other measure as required by government policy or the law. Please refer to the accompanying Student Terms & Conditions. Further information on fees can be found
at http://www.keele.ac.uk/studentfunding/tuitionfees/

2. Overview of the Programme

Neuroscience is the study of the nervous system and how it enables us to sense and move through our environment. Neuroscience is closely linked to psychology - a large and varied discipline concerned with the systematic study of mind, brain and behaviour. The Neuroscience with Psychology programme at Keele is designed to provide you with a strong grounding in the key principles of neuroanatomy, neurophysiology, neuropharmacology, and neuropathology, whilst also investigating cognitive neuroscience, human social interaction and lifespan development. Our overarching aim is to equip you with the multidisciplinary skills and knowledge employed by scientists in these fields.

During the programme you will receive research training in experimental design, practical techniques and data analysis. This will culminate in the opportunity to undertake a final year research project (laboratory or computer based) under expert guidance of our Neuroscience teaching staff. Between Years 2 and 3 of the course, you can also opt to spend (i) a year abroad studying or (ii) a placement year working in industry or a partner research institute.

3. Aims of the programme

The broad aims of the programme are to enable you to:

- gain specific knowledge, understanding and skills relevant to neuroscience and a broad understanding of psychology
- develop critical skills, independence and originality in thought to apply to scientific research
- become skilled and motivated scientists, suitably prepared for further study or for employment within or outside their field

4. What you will learn

The intended learning outcomes of the programme (what students should know, understand and be able to do at the end of the programme), can be described under the following headings:

- Subject knowledge and understanding
- Subject specific skills
- Key or transferable skills (including employability skills)

Subject knowledge and understanding

Successful students will be able to:

- cellular and gross anatomical features of the, developing and adult, peripheral and central nervous system
- neuronal function, from a single cell to neuronal networks
- the physiological principles underlying neuronal activity
- the basic experimental skills appropriate to the discipline of neuroscience
- the approaches to acquiring, interpreting, analysing data from a variety of sources, including the use of statistics
- neuronal mechanisms of cognitive function, and the relationship to the same phenomena at the behavioural level
- cellular mechanisms underlying pathology of the nervous system
- the contribution of research to the development of neuroscience knowledge
- the foundations of the core areas of biological psychology, cognitive psychology, personality and individual differences, developmental psychology, social psychology, and research methods
- the scientific basis of psychology, including the ethical responsibilities of psychologists.

Subject specific skills

Successful students will be able to:

- use a range of techniques for the acquisition and analysis of information relevant to the subject
- use a range of laboratory techniques to ensure competence in experimental skills.
- record and analyse data in a manner that ensure validity, accuracy, calibration, precision, and reliability
- formulate a hypothesis to design, conduct, analyse, report and evaluate experiments.
- recognise philosophical and ethical issues relevant to the subject, and appreciate the need for ethical standards and professional codes of conduct.

- work safely and responsibly in the laboratory, with awareness of standard procedures
- make use of and critique qualitative and quantitative research design and analytical techniques

Key or transferable skills (including employability skills)

Successful students will be able to:

- develop an adaptable, flexible, sustainable and effective approach to study and work, including time management, creativity and intellectual integrity
- acquire, analyse, synthesise, summarise and present information and ideas from a wide range of sources: textual, numerical, verbal, graphical
- prepare, process, interpret and present data using appropriate qualitative and quantitative techniques, statistical programmes, spreadsheets and programs for presenting data visually
- use the internet and other electronic sources critically as a means of communication and a source of information
- cite and reference work in an appropriate manner, avoiding issues with plagiarism
- communicate effectively to a variety of audiences by written, spoken and graphical means using appropriate techniques and scientific language
- develop skills necessary for self-managed and lifelong learning, including working independently and organisational, enterprise and knowledge transfer skills
- work with others to achieve an objective in a respectful manner that is accepting of the viewpoints and opinions of others and evaluates the roles and development of team members
- motivate themselves and sustain that motivation over an extended period of time
- identify and work towards targets for personal, academic and career development
- critique the uncertainty, ambiguity, and limits of psychological knowledge
- develop a sufficient level of conceptual understanding to enable the development of arguments and analysis that comment on scholarship in psychology

The Keele Graduate Attributes

The Keele Graduate Attributes are the qualities (skills, values and mindsets) which you will have the opportunity to develop during your time at Keele through both the formal curriculum and also through co- and extra-curricular activities (e.g., work experience, and engagement with the wider University community such as acting as ambassadors, volunteering, peer mentoring, student representation, membership and leadership of clubs and societies). Our Graduate Attributes consist of four themes: **academic expertise, professional skills, personal effectiveness, and social and ethical awareness.** You will have opportunities to engage actively with the range of attributes throughout your time at Keele: through your academic studies, through self-assessing your own strengths, weaknesses, and development needs, and by setting personal development goals. You will have opportunities to discuss your progress in developing graduate attributes with, for example, Academic Mentors, to prepare for your future career and lives beyond Keele.

5. How is the programme taught?

Diversity, flexibility and inclusivity is at the heart of our Education Strategy. Your Student Voice helps us to shape what we do and we include students and local employers in our decision-making process. The delivery of our programme will include the following types of activities:

- **Laboratory practicals.** Take place in one of our labs. These give you first-hand experience in a range of scientific techniques and have been designed to ensure you develop both independent and team-based skills.
- **Digital material.** Traditional 'lectures' are often redesigned for online consumption, giving you more flexibility to decide how, when and where to study. This can include provision of short videos, directed reading, key learning outcomes and Forms that allow you to ask questions anonymously.
- **Live, campus-based seminars.** Delivered by experts in the field seminars are ordinarily recorded on the day so you can focus better on the discussion during the live event.
- **Live, campus-based tutorials and workshops.** Often designed to support online lectures. Tutorials and workshops help promote social learning, develop a sense of community and give you an opportunity to deepen your understanding of core issues, ask questions and discuss content with other students and your tutors.
- **Live, online tutorials, workshops and drop-in sessions.** Often used to host plenary sessions. These plenary sessions are optional, added value and may cover topics common to all students such as: note taking and meet your alumni at Level 4; IT and data analysis at Level 5 and writing retreats and careers at Level 6.
- **Final year research project.** Undertaking an experimental project with the support of an experienced researcher allows students to formulate relevant research questions and devise, carry out and analyse experiments to answer them.

6. Teaching Staff

The University will attempt to minimise changes to our core teaching teams, however, delivery of the programme depends on having a sufficient number of staff with the relevant expertise to ensure that the programme is taught to the appropriate academic standard.

Staff turnover, for example where key members of staff leave, fall ill or go on research leave, may result in changes to the programme's content. The University will endeavour to ensure that any impact on students is limited if such changes occur.

7. What is the structure of the Programme?

The academic year runs from September to June and is divided into two semesters. The number of weeks of teaching will vary from programme to programme, but you can generally expect to attend scheduled teaching sessions between the end of September and mid-December, and from mid-January to the end of April. Our degree courses are organised into modules. Each module is usually a self-contained unit of study and each is usually assessed separately with the award of credits on the basis of 1 credit = 10 hours of student effort. An outline of the structure of the programme is provided in the tables below.

There are three types of module delivered as part of your programme. They are:

- Compulsory modules - a module that you are required to study on this course;
- Optional modules - these allow you some limited choice of what to study from a list of modules;

Optional modules include Global Challenge Pathways - a choice of modules from different subject areas that count towards the overall credit requirement but not the number of subject-related credits.

Global Challenge Pathways can be taken as one 15-credit module at Levels 5 and 6. Information about Global Challenge Pathways can be found after the module lists for Level 6.

Language modules

Students on this programme will also be able to study language modules offered by the Language Centre, as part of a Global Challenge Pathway. You can enrol on either a Modern Language module [more information available at this link] (Semester 1 only) Teaching English to Speakers of Other Languages (TESOL) (Semesters 1 and 2) module (ENL-10053), or the Intercultural Explorer pathway (ENL-10057). See the Global Challenges Pathway information under the module lists for more details.

If you choose the Language Specialist pathway, you will automatically be enrolled on a Semester 2 Modern Language module as a continuation of your language of choice as a faculty funded 'additional' module. Undertaking a Modern Languages module in Semester 2 is compulsory if you wish to continue to the Language Specialist Global Challenge Pathway the following academic year.

___

For further information on the content of modules currently offered, please visit: https://www.keele.ac.uk/recordsandexams/modulecatalogue/

A summary of the credit requirements per year is as follows.

Year	Compulsory	Optional	
		Min	Max
Level 4	120	0	0
Level 5	60	60	60
Level 6	30	90	90

Module Lists

Level 4

Compulsory modules	Module Code	Credits	Period
Introduction to developmental and social psychology	PSY-10033	15	Semester 1
Answering Questions with Qualitative Data	PSY-10044	15	Semester 1
Introduction to Neuroscience	LSC-10047	30	Semester 1-2
Physiology and Anatomy	LSC-10074	30	Semester 1-2
Core Practical Skills	LSC-10087	0	Semester 1-2
Introduction to biological and cognitive psychology	PSY-10034	15	Semester 2
Answering Questions with Quantitative Data	PSY-10040	15	Semester 2

Level 4 Module Rules

Core Practical Skills (LSC-10087)

LSC-10087 is a core, zero-credit module. All lab-work across this Level of study will be coordinated through this module and assessed within other credit-bearing modules across the year where appropriate. This module also provides helpful academic support and development material that provide added value to enhance your overall student experience.

Students who fail this module will transfer to Studies in Neuroscience with Psychology. This route is not accredited by the RSB.

Level 5

Compulsory modules	Module Code	Credits	Period
Neuroanatomy	LSC-20079	15	Semester 1
Neuroscience Research Methods	LSC-20078	30	Semester 1-2
Practical Skills in Bioscience	LSC-20107	0	Semester 1-2
Learning & Memory	LSC-20076	15	Semester 2

Optional modules	Module Code	Credits	Period
Neurone to Brain	LSC-20075	15	Semester 1
Neurodevelopment	LSC-20077	15	Semester 1
Psychopathology	PSY-20033	15	Semester 1
Cyberpsychology - the psychology of technology and the Internet	PSY-20048	15	Semester 1
Neuropharmacology	LSC-20061	15	Semester 2
Foundations of Health Psychology	PSY-20054	15	Semester 2
Neuroimaging & Cognitive Neuroscience	PSY-20056	15	Semester 2
Child Psychology in Practice	PSY-20058	15	Semester 2

Level 5 Module Rules

Student must choose 30 credits of Life Sciences (LSC) modules and 15 credits of Psychology (PSY) modules from the list above. The remaining 15 credits can be made up by another 15 credit module from Psychology, a language or GCP.

In addition, students must have credit-balanced semesters. Therefore, students should choose two optional modules from Semester 1 and two optional modules from Semester 2. If you choose the GCP or language modules, you will then choose two optional modules in one semester and one optional module in the other.

Practical Skills in Bioscience (LSC-20107)

LSC-20107 is a core, zero-credit module. All lab-work across this Level of study will be coordinated through this module and assessed within other credit-bearing modules across the year where appropriate. This module also provides helpful academic support and development material that provide added value to enhance your overall student experience.

Students who fail this module will transfer to Studies in Neuroscience with Psychology. This route is not accredited by the RSB.

NB: Global Challenge Pathways (GCPs) - students have the option of taking a Global Challenge Pathway, which can be taken as one 15-credit module at Levels 5 and 6 (except for the TESOL pathway). Information on GCPs is shown under the Level 6 modules below.

Level 6

Compulsory modules	Module Code	Credits	Period
Behavioural Neuroscience	LSC-30052	15	Semester 1
Current Research Topics in Neuroscience	LSC-30042	15	Semester 2

Optional modules	Module Code	Credits	Period
Advances in Medicine	LSC-30028	15	Semester 1
Brain Disease	LSC-30063	15	Semester 1
Tropical Biology Field Course	LSC-30066	15	Semester 1
Health and Disease	PSY-30150	15	Semester 1
Models of Cognition	PSY-30154	15	Semester 1
Gender and Sexualities	PSY-30166	15	Semester 1
Double Applied Life Sciences Placement - ISP	LSC-30038	30	Semester 1-2
Life Sciences Double Experimental Project (with research skills assessment)	LSC-30045	30	Semester 1-2
Professional Development in Bioscience	LSC-30090	0	Semester 1-2
Regeneration and Repair in the Nervous System	LSC-30039	15	Semester 2
Special Senses	LSC-30053	15	Semester 2
Epidemiology	LSC-30084	15	Semester 2
Cognitive Development	PSY-30146	15	Semester 2
Illness and Coping	PSY-30158	15	Semester 2
Neurodiversity in Society	PSY-30162	15	Semester 2

Level 6 Module Rules

- Student must choose at least 60 credits of Life Sciences (LSC) modules from the list above. The remaining 30 credits can be any two remaining modules from the list above or one module from the list above plus a language or GCP.
- Students must choose one of LSC-30045 or LSC-30038.
- Students must take no more than 60 optional credits in either Semester (not including LSC-30045 or LSC-30038).

The Tropical Biology Field Course occurs during the summer vacation prior to commencing level 6, module LSC-30066 then forms the write-up part of the field course in Semester 1 of level 6 (3rd year).

LSC-30045 or LSC-30038

Students who fail these modules will transfer to Studies in Neuroscience with Psychology. This route is not accredited by the RSB.

Global Challenge Pathways (GCPs)

Students have the option of taking a Global Challenge Pathway, which includes one 15-credit module at Levels 5 and 6. Students joining Global Challenge Pathways at Level 5 can join any pathway (except TESOL). Students at Level 6 will continue with the same Global Challenge Pathway they studied at Level 5.

Global Challenge Pathways offer students the chance to fulfil an exciting, engaging route of interdisciplinary study. Choosing a pathway, students will be presented with a global issue or 'challenge' which directly relates to societal issues, needs and debates. They will be invited to take part in academic and external facing projects which address these issues, within an interdisciplinary community of students and staff. Students completing a Global Challenge Pathway will receive recognition on their degree certificate.

Digital Futures	The Digital Futures pathway offers you the opportunity to take an active role in current debates, cutting-edge research, and projects with external partners, addressing both the exciting potential and the challenges of disruptive digital transformation across all spheres of life. Part of a diverse and interdisciplinary pathway community, you will engage in exciting, impactful collaborative project work in innovative formats on areas that matter most to you. Engaged in real-world scenarios as digital citizens, you will expand, deepen, and mobilise knowledge and skills to drive inclusive, empowering, and sustainable change at local and global levels. **Level 5 Module: Digital World - People, Spaces, and Data (GCP-20005)** **Level 6 Module: Digital Citizenship and Sustainable Futures (GCP-30005)**
Climate Change & Sustainability	Through the Climate Change & Sustainability pathway you will develop the skills, understanding and drive to become agents of change to tackle climate change and wider sustainability challenges. You will hear from international partners to learn about climate change and sustainability in different international contexts; lead your own projects to drive real change in your communities; and be part of educating and supporting others to help achieve a more sustainable future. **Level 5 Module: Climate Change and Sustainability: Action and Activism (GCP-20009)** **Level 6 Module: Skills for Sustainability (GCP-30009)**

Social Justice	The Social Justice pathway is based upon a transformative methodology which centres the student's role as 'agents of change' to reflect upon decolonising and feminist, perspectives on social justice, to forge critical outputs to transform the Sustainable Development Goals.

You will develop research and engagement skills with local, national, and international partners from Universities, NGOs, International Human Rights frameworks. You will engage with key societal challenges focused upon the Sustainable Development Goals, to develop an intersectional response from identity-based perspectives on race, gender, sexualities and disabilities. The pathway will allow you to monitor and critically evaluate policies and human rights treaties, and produce and disseminate digitally fluent, international and sustainable project findings.

Level 5 Module: Strategic Interventions for Social Justice (GCP-20003)

Level 6 Module: Transforming Social Justice; Global Perspectives (GCP-30003) |
| **Enterprise & the Future of Work** | In order to meet the challenges set out in the UN's Sustainable Development Goals we need to understand the power of enterprise and prepare for the future contexts of work, creativity and disruption. By providing you with the skills, knowledge and understanding of global challenges this pathway will prepare you to be part of future-facing solutions. This module will support you in developing creative, original thinking, allowing you to collaborate on projects that persuade and effect change, setting you up to thrive in future environments of work and innovation.

Level 5 Module: Enterprise and the Future of Work: Collaborate to Innovate (GCP-20007)

Level 6 Module: Enterprise and the Future of Work: Designing Change (GCP-30007) |
| **Global Health Challenges** | By taking the global health challenge pathway you will develop solutions to improve the health and quality of life for particular people and communities, engaging with these groups to co-design interventions.

This pathway will provide you with skills that go beyond a focus on health and will allow you to develop your ability to work in a team and lead change in society. The knowledge, skills and work experience will complement your core degree and enhance your career opportunities and graduate aspirations.

Level 5 Module: Using Evidence to Improve Global Health (GCP-20001)

Level 6 Module: Working to Improve Global Health (GCP-30001) |

Languages & Intercultural Awareness	Communication within and across cultures is inseparable from language, and development of intercultural awareness can enable you to actively contribute to the shaping of an international future. The Language and Intercultural Awareness pathway allows you to engage in genuine interdisciplinary and international exchange and to understand and explore the link between language, culture and communication. Each of the strands we offer provides you with skills and direct experience for active engagement in working to face global challenges. **The Language Specialist**: Become a specialist in one of our languages and graduate with a degree title that includes '... with competency in (Language)' or '... with advanced competency in (Language)'. **The Language Taster:** Explore a new language every year. **The Intercultural Explorer:** Through an interdisciplinary understanding of intercultural communication - as both an academic discipline and as a tool to promote and engage in global activity, you will explore the concept of culture. Module content and assessments allow you to examine in-depth the role of both culture and language in, for example, the UN sustainability goals. **Modules available:** **The Language Specialist:** Any Semester 1 Language Module (the level at which you enter will be determined by your previous language learning experiences). **The Language Taster:** Any Semester 1 Language Module (the level at which you enter will be determined by your previous language learning experiences) **The Certificate in TESOL - not available on this programme** **The Intercultural Explorer:** ENL-20009 Who do you think you are?

Information on Global Challenge Pathways can be found here:
https://www.keele.ac.uk/study/undergraduate/globalchallengepathways/

Learning Outcomes

The table below sets out what students learn in the programme and the modules in which that learning takes place. Details of how learning outcomes are assessed through these modules can be found in module specifications.

Level 4

The table below sets out what students learn in the programme and the modules in which that learning takes place. Details of how learning outcomes are assessed through these modules can be found in module specifications.

In Year 1 (Level 4) and Year 2 (Level 5) these learning outcomes are achieved in the compulsory modules which all students are required to take. Some of these outcomes may also be achieved or reinforced in optional modules together with other outcomes not stated here. In Year 3 (Level 6) the stated outcomes are achieved by taking any of the modules offered in each semester.

Subject Knowledge and Understanding	
Learning Outcome	**Module in which this is delivered**
cellular and gross anatomical features of the, developing and adult, peripheral and central nervous system.	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
neuronal function, from a single cell to simple neuronal networks.	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
the physiological principles underlying neuronal activity.	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
the basic experimental skills appropriate to the discipline of neuroscience.	Core Practical Skills - LSC-10087
the approaches to acquiring, interpreting, analysing data from a variety of sources, including the use of statistics.	Physiology and Anatomy - LSC-10074 Introduction to Neuroscience - LSC-10047 Core Practical Skills - LSC-10087
neuronal mechanisms of cognitive function, and the relationship to the same phenomena at the behavioural level.	Introduction to Neuroscience - LSC-10047
cellular mechanisms underlying pathology of the nervous system.	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
the contribution of research to the development of neuroscience knowledge.	Physiology and Anatomy - LSC-10074 Introduction to Neuroscience - LSC-10047 Core Practical Skills - LSC-10087
the foundations of the core areas of biological psychology, cognitive psychology, personality and individual differences, developmental psychology, social psychology, and research methods	All psychology modules
the scientific basis of psychology, including the ethical responsibilities of psychologists	All psychology modules

Subject Specific Skills	
Learning Outcome	**Module in which this is delivered**
use a range of techniques for the acquisition and analysis of information relevant to the subject	Introduction to Neuroscience - LSC-10047 Core Practical Skills - LSC-10087 Physiology and Anatomy - LSC-10074
use a range of laboratory techniques to ensure competence in experimental skills.	Physiology and Anatomy - LSC-10074 Core Practical Skills - LSC-10087 Introduction to Neuroscience - LSC-10047

Key or Transferable Skills (graduate attributes)	
Learning Outcome	**Module in which this is delivered**
develop an adaptable, flexible, sustainable and effective approach to study and work, including time management, creativity and intellectual integrity	Physiology and Anatomy - LSC-10074 Introduction to Neuroscience - LSC-10047
acquire, analyse, synthesise, summarise and present information and ideas from a wide range of sources: textual, numerical, verbal, graphical	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
prepare, process, interpret and present data using appropriate qualitative and quantitative techniques, statistical programmes, spreadsheets and programs for presenting data visually	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
use the internet and other electronic sources critically as a means of communication and a source of information	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
cite and reference work in an appropriate manner, avoiding issues with plagiarism	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
communicate effectively to a variety of audiences by written, spoken and graphical means using appropriate techniques and scientific language	Physiology and Anatomy - LSC-10074 Introduction to Neuroscience - LSC-10047
develop skills necessary for self-managed and lifelong learning, including working independently, organisational, enterprise and knowledge transfer skills	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
work with others to achieve an objective in a respectful manner that is accepting of the viewpoints and opinions of others and evaluates the roles and development of team members	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
motivate themselves and sustain that motivation over an extended period of time	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
identify and work towards targets for personal, academic and career development	Introduction to Neuroscience - LSC-10047 Physiology and Anatomy - LSC-10074
critique the uncertainty, ambiguity, and limits of psychological knowledge	All Psychology modules
develop a sufficient level of conceptual understanding to enable the development of arguments and analysis that comment on scholarship in psychology	All Psychology modules

Level 5

Subject Knowledge and Understanding	
Learning Outcome	**Module in which this is delivered**
cellular and gross anatomical features of the, developing and adult, peripheral and central nervous system.	Neurodevelopment - LSC-20077 Neuroanatomy - LSC-20079
neuronal function, from a single cell to neuronal networks.	Neurone to Brain - LSC-20075 Neuropharmacology - LSC-20061 Learning & Memory - LSC-20076
the physiological principles underlying neuronal activity.	Neurone to Brain - LSC-20075 Neuropharmacology - LSC-20061
the basic experimental skills appropriate to the discipline of neuroscience.	Neuroscience Research Methods - LSC-20078 Neurodevelopment - LSC-20077 Practical Skills in Bioscience - LSC-20107
the approaches to acquiring, interpreting, analysing data from a variety of sources, including the use of statistics.	Practical Skills in Bioscience - LSC-20107 Neuroscience Research Methods - LSC-20078
neuronal mechanisms of cognitive function, and the relationship to the same phenomena at the behavioural level.	Learning & Memory - LSC-20076
cellular mechanisms underlying pathology of the nervous system.	Neuropharmacology - LSC-20061 Learning & Memory - LSC-20076
the contribution of research to the development of neuroscience knowledge.	Learning & Memory - LSC-20076 Neuroscience Research Methods - LSC-20078 Neuropharmacology - LSC-20061 Practical Skills in Bioscience - LSC-20107 Neurone to Brain - LSC-20075
the foundations of the core areas of biological psychology, cognitive psychology, personality and individual differences, developmental psychology, social psychology, and research methods .	All psychology modules
the scientific basis of psychology, including the ethical responsibilities of psychologists	All psychology modules
identify and work towards targets for personal, academic and career development	Neuropharmacology - LSC-20061 Neurone to Brain - LSC-20075 Learning & Memory - LSC-20076 Neuroanatomy - LSC-20079
critique the uncertainty, ambiguity, and limits of psychological knowledge	All Psychology modules
develop a sufficient level of conceptual understanding to enable the development of arguments and analysis that comment on scholarship in psychology	All Psychology modules

Subject Specific Skills	
Learning Outcome	**Module in which this is delivered**
use a range of techniques for the acquisition and analysis of information relevant to the subject.	Practical Skills in Bioscience - LSC-20107 Neuroscience Research Methods - LSC-20078
use a range of laboratory techniques to ensure competence in experimental skills.	Practical Skills in Bioscience - LSC-20107 Neuroscience Research Methods - LSC-20078
record and analyse data in a manner that ensure validity, accuracy, calibration, precision, and reliability	Neuroscience Research Methods - LSC-20078 Practical Skills in Bioscience - LSC-20107
formulate a hypothesis to design, conduct, analyse, report and evaluate experiments.	Practical Skills in Bioscience - LSC-20107 Neuroscience Research Methods - LSC-20078
recognise philosophical and ethical issues relevant to the subject, and appreciate the need for ethical standards and professional codes of conduct.	Neuroscience Research Methods - LSC-20078
work safely and responsibly in the laboratory, with awareness of standard procedures.	Practical Skills in Bioscience - LSC-20107 Neuroscience Research Methods - LSC-20078
reason scientifically and critically about psychological theories, findings, and research hypotheses	All Psychology modules
make use of and critique qualitative and quantitative research design and analytical techniques	All Psychology modules

Key or Transferable Skills (graduate attributes)	
Learning Outcome	**Module in which this is delivered**
develop an adaptable, flexible, sustainable and effective approach to study and work, including time management, creativity and intellectual integrity	Neurone to Brain - LSC-20075 Neuropharmacology - LSC-20061 Neuroanatomy - LSC-20079 Learning & Memory - LSC-20076 Neuroscience Research Methods - LSC-20078
acquire, analyse, synthesise, summarise and present information and ideas from a wide range of sources: textual, numerical, verbal, graphical	Neuroscience Research Methods - LSC-20078
prepare, process, interpret and present data using appropriate qualitative and quantitative techniques, statistical programmes, spreadsheets and programs for presenting data visually	Neuroscience Research Methods - LSC-20078
use the internet and other electronic sources critically as a means of communication and a source of information	Learning & Memory - LSC-20076 Neurone to Brain - LSC-20075 Neuropharmacology - LSC-20061 Neuroscience Research Methods - LSC-20078 Neuroanatomy - LSC-20079
use the internet and other electronic sources critically as a means of communication and a source of information	Learning & Memory - LSC-20076 Neurodevelopment - LSC-20077 Neuroscience Research Methods - LSC-20078 Neuropharmacology - LSC-20061 Neurone to Brain - LSC-20075
communicate effectively to a variety of audiences by written, spoken and graphical means using appropriate techniques and scientific language	Neuropharmacology - LSC-20061 Neuroscience Research Methods - LSC-20078 Neurone to Brain - LSC-20075
communicate effectively to a variety of audiences by written, spoken and graphical means using appropriate techniques and scientific language	Neurone to Brain - LSC-20075 Learning & Memory - LSC-20076 Neuropharmacology - LSC-20061 Neuroanatomy - LSC-20079 Neuroscience Research Methods - LSC-20078
work with others to achieve an objective in a respectful manner that is accepting of the viewpoints and opinions of others and evaluates the roles and development of team members	Neuroscience Research Methods - LSC-20078 Neuropharmacology - LSC-20061 Practical Skills in Bioscience - LSC-20107
motivate themselves and sustain that motivation over an extended period of time	Neuropharmacology - LSC-20061 Neuroscience Research Methods - LSC-20078 Neurone to Brain - LSC-20075 Learning & Memory - LSC-20076 Neuroanatomy - LSC-20079
identify and work towards targets for personal, academic and career development	Neuroanatomy - LSC-20079 Neuroscience Research Methods - LSC-20078 Learning & Memory - LSC-20076 Neurone to Brain - LSC-20075 Neuropharmacology - LSC-20061
critique the uncertainty, ambiguity, and limits of psychological knowledge	All Psychology modules
develop a sufficient level of conceptual understanding to enable the development of arguments and analysis that comment on scholarship in psychology	All Psychology modules

Level 6

Subject Knowledge and Understanding	
Learning Outcome	**Module in which this is delivered**
cellular and gross anatomical features of the, developing and adult, peripheral and central nervous system.	Current Research Topics in Neuroscience - LSC-30042 Regeneration and Repair in the Nervous System - LSC-30039 Special Senses - LSC-30053 Brain Disease - LSC-30063 Behavioural Neuroscience - LSC-30052
neuronal function, from a single cell to neuronal networks.	Current Research Topics in Neuroscience - LSC-30042 Regeneration and Repair in the Nervous System - LSC-30039 Behavioural Neuroscience - LSC-30052 Brain Disease - LSC-30063 Special Senses - LSC-30053
the physiological principles underlying neuronal activity	Behavioural Neuroscience - LSC-30052 Brain Disease - LSC-30063 Current Research Topics in Neuroscience - LSC-30042 Special Senses - LSC-30053
the basic experimental skills appropriate to the discipline of neuroscience.	Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045 Double Applied Life Sciences Placement - ISP - LSC-30038
the approaches to acquiring, interpreting, analysing data from a variety of sources, including the use of statistics.	Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045 Double Applied Life Sciences Placement - ISP - LSC-30038
neuronal mechanisms of cognitive function, and the relationship to the same phenomena at the behavioural level.	Behavioural Neuroscience - LSC-30052 Brain Disease - LSC-30063
cellular mechanisms underlying pathology of the nervous system.	Brain Disease - LSC-30063 Regeneration and Repair in the Nervous System - LSC-30039 Advances in Medicine - LSC-30028 Behavioural Neuroscience - LSC-30052 Special Senses - LSC-30053
the contribution of research to the development of neuroscience knowledge.	Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045 Double Applied Life Sciences Placement - ISP - LSC-30038 Advances in Medicine - LSC-30028 Regeneration and Repair in the Nervous System - LSC-30039 Current Research Topics in Neuroscience - LSC-30042 Brain Disease - LSC-30063 Behavioural Neuroscience - LSC-30052
the foundations of the core areas of biological psychology, cognitive psychology, personality and individual differences, developmental psychology, social psychology, and research methods	All psychology modules
the scientific basis of psychology, including the ethical responsibilities of psychologists	All psychology modules

Subject Specific Skills	
Learning Outcome	**Module in which this is delivered**
use a range of techniques for the acquisition and analysis of information relevant to the subject	Double Applied Life Sciences Placement - ISP - LSC-30038 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045
use a range of laboratory techniques to ensure competence in experimental skills.	Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045 Double Applied Life Sciences Placement - ISP - LSC-30038
record and analyse data in a manner that ensure validity, accuracy, calibration, precision, and reliability	Double Applied Life Sciences Placement - ISP - LSC-30038 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045
formulate a hypothesis to design, conduct, analyse, report and evaluate experiments	Double Applied Life Sciences Placement - ISP - LSC-30038 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045
recognise philosophical and ethical issues relevant to the subject, and appreciate the need for ethical standards and professional codes of conduct.	Regeneration and Repair in the Nervous System - LSC-30039 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045 Double Applied Life Sciences Placement - ISP - LSC-30038
work safely and responsibly in the laboratory, with awareness of standard procedures	Double Applied Life Sciences Placement - ISP - LSC-30038 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045
reason scientifically and critically about psychological theories, findings, and research hypotheses	All Psychology modules
make use of and critique qualitative and quantitative research design and analytical techniques	All Psychology modules

Key or Transferable Skills (graduate attributes)	
Learning Outcome	**Module in which this is delivered**
develop an adaptable, flexible, sustainable and effective approach to study and work, including time management, creativity and intellectual integrity	All level 6 modules
acquire, analyse, synthesise, summarise and present information and ideas from a wide range of sources: textual, numerical, verbal, graphical	All level 6 modules
prepare, process, interpret and present data using appropriate qualitative and quantitative techniques, statistical programmes, spreadsheets and programs for presenting data visually	Double Applied Life Sciences Placement - ISP - LSC-30038 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045
use the internet and other electronic sources critically as a means of communication and a source of information	All level 6 modules
cite and reference work in an appropriate manner, avoiding issues with plagiarism	All level 6 modules
communicate effectively to a variety of audiences by written, spoken and graphical means using appropriate techniques and scientific language	Double Applied Life Sciences Placement - ISP - LSC-30038 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045
develop skills necessary for self-managed and lifelong learning, including working independently, organisational, enterprise and knowledge transfer skills	All level 6 modules
work with others to achieve an objective in a respectful manner that is accepting of the viewpoints and opinions of others and evaluates the roles and development of team members	Double Applied Life Sciences Placement - ISP - LSC-30038 Brain Disease - LSC-30063 Life Sciences Double Experimental Project (with research skills assessment) - LSC-30045 Behavioural Neuroscience - LSC-30052
motivate themselves and sustain that motivation over an extended period of time	All level 6 modules
identify and work towards targets for personal, academic and career development	All level 6 modules
critique the uncertainty, ambiguity, and limits of psychological knowledge	All Psychology modules
develop a sufficient level of conceptual understanding to enable the development of arguments and analysis that comment on scholarship in psychology	All Psychology modules

8. Final and intermediate awards

Credits required for each level of academic award are as follows:

Honours Degree	360 credits	You will require at least 120 credits at levels 4, 5 and 6 You must accumulate at least 270 credits in your main subject (out of 360 credits overall), with at least 90 credits in each of the three years of study, to graduate with a named single honours degree in this subject. N.B. The award will be 'Studies in Neuroscience and Psychology' if a pass standard is not achieved in the Level 4 Core Practical Skills, Level 5 Practical Skills in Bioscience or in the Level 6 Double Experimental Project module or Double Applied Life Sciences Placement module (see the Annex for Programme-specific regulations). A 'Studies in Neuroscience' degree is not accredited by the Royal Society of Biology.
Diploma in Higher Education	240 credits	You will require at least 120 credits at level 4 or higher and at least 120 credits at level 5 or higher
Certificate in Higher Education	120 credits	You will require at least 120 credits at level 4 or higher

International Year option: in addition to the above students must pass a module covering the international year in order to graduate with a named degree including the 'international year' wording. Students who do not complete, or fail the international year, will be transferred to the three-year version of the programme.

Work Placement Year option: in addition to the above students must pass a non-credit bearing module covering the work placement year in order to graduate with a named degree including the 'with Work Placement Year' wording. Students who do not complete, or fail the work placement year, will be transferred to the three-year version of the programme.

9. How is the Programme Assessed?

Our assessment strategy is designed to be authentic and diverse so that you can develop key skills that meet academic, professional body and employer expectations. Module managers will provide appropriate guidance for each assessment and the marking criteria that will be used to assess your work.

Our assessment strategy will help you to develop and evidence your ability to:

- **Provide evidence-based solutions to current scientific problems.** Most often this is assessed through a range of essays, portfolios and literature reviews.
- **Critically reflect on current issues.** Reflective writing is an increasingly important skill in the workforce, particularly to healthcare professions. It can help you to identify personal strengths and weaknesses so that you can learn from your experience and maximise your potential.
- **Present scientific findings.** Often these are lab reports or experimental projects that test your ability to pose scientific hypotheses, design experiments, understand methodologies, present findings, analyse data and situate your work in the current literature.
- **Communicate effectively with a range of audiences.** These can include scientific posters, patient information leaflets, wikis, blogs or oral presentations.
- **Work professionally.** Your final year, independent research project will give you an opportunity to demonstrate a range of professional skills such as leadership, innovation, time keeping, communication and the ability to work safely and ethically.
- **Work effectively in a team.** Most often this is assessed through group presentations but can also include competencies such as working together in the lab.
- **Solve problems in a time-limited fashion.** Often in the work environment we are asked to solve problems in a relatively short amount of time. Our online tests and end-of-semester, online, open-book examinations will help you to evidence these skills.

We aim to provide constructive feedback within 3 weeks of submission for all assessed work. This is often

phrased in terms of strengths, weaknesses and ways to improve to help you focus on key areas that can improve the quality of your work in the future.

Marks are awarded for summative assessments designed to assess your achievement of learning outcomes. You will also be assessed formatively to enable you to monitor your own progress and to assist staff in identifying and addressing any specific learning needs. Feedback, including guidance on how you can improve the quality of your work, is also provided on all summative assessments within three working weeks of submission, unless there are compelling circumstances that make this impossible, and more informally in the course of tutorial and seminar discussions.

10. Contact Time and Expected Workload

This contact time measure is intended to provide you with an indication of the type of activity you are likely to undertake during this programme. The data is compiled based on module choices and learning patterns of students on similar programmes in previous years. Every effort is made to ensure this data is a realistic representation of what you are likely to experience, but changes to programmes, teaching methods and assessment methods mean this data is representative and not specific.

Undergraduate courses at Keele contain an element of module choice; therefore, individual students will experience a different mix of contact time and assessment types dependent upon their own individual choice of modules. The figures below are an example of activities that a student may expect on your chosen course by year stage of study. Contact time includes scheduled activities such as: lecture, seminar, tutorial, project supervision, demonstration, practical classes and labs, supervised time in labs/workshop, fieldwork and external visits. The figures are based on 1,200 hours of student effort each year for full-time students.

Activity

	Scheduled learning and teaching activities	**Guided independent Study**	**Placements**
Year 1 (Level 4)	39.1%	60.9%	0%
Year 2 (Level 5)	28.1%	71.9%	0%
Year 3 (Level 6)	28.3%	71.8%	0%

11. Accreditation

Students should note that to be awarded Royal Society of Biology accreditation they must achieve a minimum standard of 40% in the Life Sciences Double Experimental Project (with research skills assessment), or equivalent placement module. Students that condone this module may still be eligible for the award 'Studies in Neuroscience with Psychology'.

12. University Regulations

The University Regulations form the framework for learning, teaching and assessment and other aspects of the student experience. Further information about the University Regulations can be found at: http://www.keele.ac.uk/student-agreement/

If this programme has any exemptions, variations or additions to the University Regulations these will be detailed in an Annex at the end of this document titled 'Programme-specific regulations'.

13. What are the typical admission requirements for the Programme?

See the relevant course page on the website for the admission requirements relevant to this programme: https://www.keele.ac.uk/study/

Applicants who are not currently undertaking any formal study or who have been out of formal education for more than 3 years and are not qualified to A-level or BTEC standard may be offered entry to the University's Foundation Year Programme.

Applicants for whom English is not a first language must provide evidence of a recognised qualification in English language. The minimum score for entry to the Programme is Academic IELTS 6.0 or equivalent.

Please note: All non-native English speaking students are required to undertake a diagnostic English language assessment on arrival at Keele, to determine whether English language support may help them succeed with their studies. An English language module may be compulsory for some students during their first year at Keele.

English for Academic Purposes

Please note: All new international students entering the university will provide a sample of Academic English during their registration Using this sample, the Language Centre may allocate you to an English language module which will become compulsory. This will replace any GCP modules. *NB:* students can take an EAP module only with the approval of the English Language Programme Director and are not able to take any other Language modules in the same academic year.

English Language Modules at Level 4:

- Business - ENL-90003 Academic English for Business Students (Part 1); ENL-90004 Academic English for Business Students (2)
- Science - ENL-90013 Academic English for Science Students
- General - ENL-90006 English for Academic Purposes 2; ENL-90001 English for Academic Purposes 3; ENL-90002 English for Academic Purposes 4

English Language Modules at Level 5:

- Business - ENL-90003 Academic English for Business Students (Part 1); ENL-90004 Academic English for Business Students (2)
- Science - ENL-90013 Academic English for Science Students
- General - ENL-90006 English for Academic Purposes 2; ENL-90001 English for Academic Purposes 3; ENL-90002 English for Academic Purposes 4

English Language Modules at Level 6:

- Business - ENL-90003 Academic English for Business Students (Part 1); ENL-90004 Academic English for Business Students (2); ENL-90005 Advanced Business English Communication
- Science - ENL-90013 Academic English for Science Students
- General - ENL-90006 English for Academic Purposes 2; ENL-90001 English for Academic Purposes 3; ENL-90002 English for Academic Purposes 4

Recognition of Prior Learning (RPL) is considered on a case-by-case basis and those interested should contact the Programme Director. The University's guidelines on this can be found here: https://www.keele.ac.uk/qa/programmesandmodules/recognitionofpriorlearning/

14. How are students supported on the programme?

The School of Life Sciences operates an open door policy. This means that you can contact any of our staff via email to request a meeting or discus any problem that you may be experiencing.

In addition to the open door policy, you can also contact the following people across Life Sciences for help and support:

- Programme Director or Director of Education for programme-, discipline- or School-related issues
- Module Manager for module-related issues
- Demonstrators for help during labs
- Academic Mentors for academic help and guidance
- Student Experience and Support Officers for more personal or pastoral help
- Early Resolution Officer to help advocate for you, for example, if you would like to raise a complaint
- Student Voice are a group of students from your programme that can advocate for you to the School

Student Services also offer a comprehensive range of specialist services that help you at any time from enrolment to graduation. The following link will provide more information: https://www.keele.ac.uk/students/studentservices/

15. Learning Resources

You will be taught in modern, dedicated teaching laboratories (some of which were opened by Sir David Attenborough himself!)

You will have access to an extensive collection of books and journals both at our library here on campus and the health library situated at the University Hospital of North Staffordshire.

You will also have access to a comprehensive range of ebooks, journals and published papers all available online.

We make extensive use of our virtual Keele Learning Environment (KLE) and Microsoft Teams to host a wide

range of learning resources such as lectures and guidance materials and to facilitate live debates such as online discussions or Q&As.

16. Other Learning Opportunities

Study Abroad (International Year)

A summary of the International Year, which is a potential option for students after completion of year 2 (Level 5), is provided in the Annex for the International Year.

Work Placement Year

Students have the opportunity to apply directly for the 4-year 'with Work Placement Year' degree programme or to transfer onto the 4-year degree programme at the end of Year-1 and in Year-2 at the end of Semester 1. Students who are initially registered for the 4-year degree programme may transfer onto the 3-year degree programme at any point in time, prior to undertaking their year-long placement. To be eligible for the placement year, students must have a good University attendance record. They must also have passed all Year 1 and Year 2 Semester 1 modules. Students must have met the progression requirements to proceed to their final year of study prior to commencing a placement.

Students wishing to take the work placement year should meet with the Programme Director to obtain their signature to confirm agreement before they will be allowed to commence their placement.

International students who require a Tier 4 visa must check with the Immigration Compliance Team prior to commencing any form of placement.

A summary of the Work Placement Year, which is a potential option for students after completion of year 2 (Level 5), is provided in the Annex for the Work Placement Year.

Summer secondments/placements

Keele staff and staff from external Universities may be able to offer placements within their laboratories to gain hands-on experience of research work. These are usually 2-8 weeks over the summer vacation period. Students may also apply for Summer Vacation bursaries when available,

e.g. https://www.physoc.org/supporting-you/grants/summer-studentships/.

Tropical Field Course

You could apply for our School tropical field that takes place in Malaysia. These are often more conservational in nature, but again provide fantastic international experience.

Operation Wallacea

This is a private company that supports a wide range of student projects with a particular focus on biodiversity and climate research. More information can be found at: https://www.opwall.com

17. Additional Costs

There will be additional costs for inter-library loans and potential overdue library fines, printing and graduation. Foreign Placements and the tropical field course are likely to incur addition costs for flights, transport, inoculations and accommodation.

Other than for the purchase of some textbooks, the value and quantity of which varies considerably from student to student, we do not anticipate any further costs for this undergraduate programme.

These costs have been forecast by the University as accurately as possible but may be subject to change as a result of factors outside of our control (for example, increase in costs for external services). Forecast costs are reviewed on an annual basis to ensure they remain representative. Where additional costs are in direct control of the University we will ensure increases do not exceed 5%.

As to be expected there will be additional costs for inter-library loans and potential overdue library fines, print and graduation. We do not anticipate any further costs for this programme.

18. Quality management and enhancement

The quality and standards of learning in this programme are subject to a continuous process of monitoring, review and enhancement.

- The School Education Committee is responsible for reviewing and monitoring quality management and enhancement procedures and activities across the School.
- Individual modules and the programme as a whole are reviewed and enhanced every year in the annual programme review which takes place at the end of the academic year.
- The programmes are run in accordance with the University's Quality Assurance procedures and are subject to periodic reviews under the Revalidation process.

Student evaluation of, and feedback on, the quality of learning on every module takes place every year using a variety of different methods:

- The results of student evaluations of all modules are reported to module leaders and reviewed by the Programme Committee as part of annual programme review.
- Findings related to the programme from the annual National Student Survey (NSS), and from regular surveys of the student experience conducted by the University, are subjected to careful analysis and a planned response at programme and School level.
- Feedback received from representatives of students in all three years of the programme is considered and acted on at regular meetings of the Student Staff Voice Committee.

The University appoints senior members of academic staff from other universities to act as external examiners on all programmes. They are responsible for:

- Approving examination questions
- Confirming all marks which contribute to a student's degree
- Reviewing and giving advice on the structure and content of the programme and assessment procedures

Information about current external examiner(s) can be found here:
http://www.keele.ac.uk/qa/externalexaminers/currentexternalexaminers/

19. The principles of programme design

The programme described in this document has been drawn up with reference to, and in accordance with the guidance set out in, the following documents:

a. UK Quality Code for Higher Education, Quality Assurance Agency for Higher Education:
http://www.qaa.ac.uk/quality-code
b. QAA Subject Benchmark Statement: Bioscience (2023): https://www.qaa.ac.uk/docs/qaa/sbs/sbs-biosciences-23.pdf?sfvrsn=b570a881_6
c. Keele University Regulations and Guidance for Students and Staff: http://www.keele.ac.uk/regulations
d. RSB Handbook for Accreditation of Degrees https://www.rsb.org.uk/images/RSB_Accreditation_Handbook.pdf

20. Annex - International Year

Neuroscience with Psychology with International Year

International Year Programme
Students registered for this Single Honours programme may either be admitted for or apply to transfer during their period of study at Level 5 to the International Year option. Students accepted onto this option will have an extra year of study (the International Year) at an international partner institution after they have completed Year 2 (Level 5) at Keele. Students who successfully complete both the second year (Level 5) and the International Year will be permitted to progress to Level 6. Students who fail to satisfy the examiners in respect of the International Year will normally revert to the standard programme and progress to Level 6 on that basis. The failure will be recorded on the student's final transcript. Study at Level 4, Level 5 and Level 6 will be as per the main body of this document. The additional detail contained in this annex will pertain solely to students registered for the International Year option.
International Year Programme Aims
In addition to the programme aims specified in the main body of this document, the international year programme of study aims to provide students with: 1. Personal development as a student and a researcher with an appreciation of the international dimension of their subject 2. Experience of a different culture, academically, professionally and socially

Entry Requirements for the International Year

Students may apply to the 4-year programme during Level 5. Admission to the International Year is subject to successful application, interview and references from appropriate staff.

The criteria to be applied are:

- Academic Performance (an average of 55% across all modules in Semester 1 at Level 5 is normally required. Places on the International Year are then conditional on achieving an average mark of 55% across all Level 5 modules. Students with up to 15 credits of re-assessment who meet the 55% requirement may progress to the International Year. Where no Semester 1 marks have been awarded performance in 1st year marks and ongoing 2nd year assessments are taken into account)
- General Aptitude (to be demonstrated by application for study abroad, interview during the 2nd semester of year 2 (Level 5), and by recommendation of the student's Academic Mentor, 1st and 2nd year tutors and programme director)

Students may not register for both an International Year and a Placement Year.

Student Support

Students will be supported whilst on the International Year via the following methods:

- Phone or Skype conversations with Study Abroad tutor, in line with recommended Academic Mentoring meeting points.
- Support from the University's Global Education Team

Learning Outcomes

In addition to the learning outcomes specified in the main text of the Programme Specification, students who complete a Keele undergraduate programme with International Year will be able to:

1. Describe, discuss and reflect upon the cultural and international differences and similarities of different learning environments
2. Discuss the benefits and challenges of global citizenship and internationalisation
3. Explain how their perspective on their academic discipline has been influenced by locating it within an international setting.
4. Use independent research skills to identify relevant information resources on a range of subjects related, or complementary, to Neuroscience.
5. Demonstrate the use of critical thinking skills, augmented by creativity and curiosity, in discussing the application of their International Year studies to Neuroscience.

In addition, students who complete the International Year will be able to:

These learning outcomes will all be assessed by the submission of a satisfactory individual learning agreement, the successful completion of assessments at the partner institution and the submission of the reflective portfolio element of the international year module.

Regulations

Students registered for the International Year are subject to the programme-specific regulations (if any) and the University regulations. In addition, during the International Year, the following regulations will apply:

Students undertaking the International Year must complete 120 credits, which must comprise *at least 40%* in the student's discipline area.

This may impact on your choice of modules to study, for example you will have to choose certain modules to ensure you have the discipline specific credits required.

Students are barred from studying any module with significant overlap to the Level 6 modules they will study on their return. Significant overlap with Level 5 modules previously studied should also be avoided.

Additional costs for the International Year

Tuition fees for students on the International Year will be charged at 15% of the annual tuition fees for that year of study, as set out in Section 1. The International Year can be included in your Student Finance allocation, to find out more about your personal eligibility see: www.gov.uk

Students will have to bear the costs of travelling to and from their destination university, accommodation, food and personal costs. Depending on the destination they are studying at additional costs may include visas, study permits, residence permits, and compulsory health checks. Students should expect the total costs of studying abroad be greater than if they study in the UK, information is made available from the Global Education Team throughout the process, as costs will vary depending on destination.

Students who meet external eligibility criteria may be eligible for grants as part of this programme. Students studying outside of this programme may be eligible income dependent bursaries at Keele.

Students travel on a comprehensive Keele University insurance plan, for which there are currently no additional charges. Some Governments and/or universities require additional compulsory health coverage plans; costs for this will be advised during the application process.

21. Annex - Work Placement Year

Neuroscience with Psychology with Work Placement Year

Work Placement Year summary

Students registered for this programme may either be admitted for or apply to transfer during their studies to the 'with Work Placement Year' option (NB: for Combined Honours students the rules relating to the work placement year in the subject where the placement is organised are to be followed). Students accepted onto this programme will have an extra year of study (the Work Placement Year) with a relevant placement provider after they have completed Year 2 (Level 5) at Keele.

Students who successfully complete both the second year (Level 5) and the Work Placement Year will be permitted to progress to Level 6. Students who fail to satisfactorily complete the Work Placement Year will normally revert to the 3-year programme and progress to Level 6 on that basis. The failure will be recorded on the student's final transcript.

Study at Level 4, Level 5 and Level 6 will be as per the main body of this document. The additional detail contained in this annex will pertain solely to students registered for the Work Placement Year option.

Work Placement Year Programme Aims

In addition to the programme aims specified in the main body of this document, the Work Placement Year aims to provide students with:

1. Experience of working in a subject-related laboratory or work place within an industrial, academic or public institution either in the UK or abroad

Entry Requirements for the Work Placement Year

Admission to the Work Placement Year is subject to successful application, interview and references from appropriate staff. Students have the opportunity to apply directly for the 4-year 'with work placement year' degree programme, or to transfer onto the 4-year programme at the end of Year-1 and in Year-2 at the end of Semester 1. Students who are initially registered for the 4-year degree programme may transfer onto the 3-year degree programme at any point in time, prior to undertaking the year-long work placement. Students who fail to pass the work placement year, and those who fail to meet the minimum requirements of the work placement year module*, will be automatically transferred onto the 3-year degree programme.

*We recommend where possible students undertake a placement of between 9 - 12 months on a full-time basis to maximize academic and personal growth. However, the Faculty of Natural Sciences Work / Professional Placement Year mandates a minimum of 24 weeks in duration, ideally on a full-time basis, but no less than 21 hours per week. This enables those undertaking an unpaid placement to work on a part-time basis alongside their placement.

The criteria to be applied are:

- A good University attendance record and be in 'good academic standing'.
- Academic Performance (an average of 50% across all modules in Semester 1 at Level 5 is normally required. Places on the Work Placement Year are then conditional on achieving an average mark of 50% across all Level 5 modules. Students with up to 15 credits of re-assessment who meet the 50% requirement may progress to the Work Placement Year. Where no Semester 1 marks have been awarded performance in 1st year marks and ongoing 2nd year assessments are taken into account)
- Students undertaking work placements will be expected to complete a Health and Safety checklist prior to commencing their work experience and will be required to satisfy the Health and Safety regulations of the company or organisation at which they are based.
- (International students only) Due to visa requirements, it is not possible for international students who require a Tier 4 Visa to apply for direct entry onto the 4-year with Work Placement Year degree programme. Students wishing to transfer onto this programme should discuss this with student support, the academic tutor for the work placement year, and the Programme Lead. Students should be aware that there are visa implications for this transfer, and it is the student's responsibility to complete any and all necessary processes to be eligible for this programme. There may be additional costs, including applying for a new Visa from outside of the UK for international students associated with a transfer to the work placement programme.

Students may not register for both an International Year and a Work Placement Year.

Student Support

Students will be supported whilst on the Work Placement Year via the following methods:

- Regular contact between the student and a named member of staff who will be assigned to the student as their University supervisor. The University supervisor will be in regular contact with the student throughout the year, and be on hand to provide advice (pastoral or academic) and liaise with the Placement supervisor on the student's behalf if required.
- Two formal contacts with the student during the placement year: the University supervisor will visit the student in their placement organization at around 5 weeks after the placement has commenced, and then visit again (or conduct a telephone/video call tutorial) at around 15 weeks into the placement.
- Weekly supervision sessions will take place with the placement supervisor (or his/her nominee) throughout the duration of the placement.

Learning Outcomes

In addition to the learning outcomes specified in the main text of the Programme Specification, students who complete the 'with Work Placement Year' option will be able to:

1. Demonstrate an ability to successfully work within their placement institution and to learn practical skills and develop their science base within the scope of their work project

These learning outcomes will be assessed through the non-credit bearing Work Placement Year module ((LSC-30038, 30 credits) which involves:

1. Successful completion of the module

Regulations

Students registered for the 'with Work Placement Year' option are subject to programme-specific regulations (if any) and the University regulations. In addition, during the Work Placement Year, the following regulations will apply:

- Students undertaking the Work Placement Year must successfully complete the zero-credit rated 'Applied Life Sciences Placement module (LSC-30038)
- In order to ensure a high quality placement experience, each placement agency will sign up to a placement contract (analogous to a service level agreement).
- Once a student has been accepted by a placement organisation, the student will make a pre-placement visit and a member of staff identified within the placement contract will be assigned as the placement supervisor. The placement supervisor will be responsible for ensuring that the placement experience meets the agreed contract agreed with the University.
- The placement student will also sign up an agreement outlining his/her responsibilities in relation to the requirements of each organisation.

Students will be expected to behave professionally in terms of:

(i) conforming to the work practices of the organisation; and

(ii) remembering that they are representatives of the University and their actions will reflect on the School and have an impact on that organisation's willingness (or otherwise) to remain engaged with the placement.

Additional costs for the Work Placement Year

Tuition fees for students on the Work Placement Year will be charged at 20% of the annual tuition fees for that year of study, as set out in Section 1. The Work Placement Year can be included in your Student Finance allocation; to find out more about your personal eligibility see: www.gov.uk

Students will have to bear the costs of travelling to and from their placement provider, accommodation, food and personal costs. Depending on the placement provider additional costs may include parking permits, travel and transport, suitable clothing, DBS checks, and compulsory health checks.

A small stipend may be available to students from the placement provider during the placement but this will need to be explored on a placement-by-placement basis as some organisations, such as charities, may not have any extra money available. Students should budget with the assumption that their placement will be unpaid.

Eligibility for student finance will depend on the type of placement and whether it is paid or not. If it is paid, this is likely to affect student finance eligibility, however if it is voluntary and therefore unpaid, should not affect student finance eligibility. Students are required to confirm eligibility with their student finance provider.

International students who require a Tier 4 visa should check with the Immigration Compliance team prior to commencing any type of paid placement to ensure that they are not contravening their visa requirements.

22. Annex - Programme-specific regulations

Programme Regulations: Neuroscience with Psychology

Final Award and Award Titles	BSc (Hons) Neuroscience with Psychology
	BSc (Hons) Neuroscience with Psychology International Year
	BSc (Hons) Neuroscience with Psychology with Work Placement Year
	BSc (Hons) Studies in Neuroscience with Psychology
	BSc (Hons) Studies in Neuroscience with Psychology with International Year
	BSc (Hons) Studies in Neuroscience with Psychology with Work Placement Year
Intermediate Award(s)	Diploma in Higher Education Certificate in Higher Education
Last modified	June 2024
Programme Specification	https://www.keele.ac.uk/qa/programmespecifications

The University's Academic Regulations which can be found on the Keele University website (https://www.keele.ac.uk/regulations/)[1] apply to and regulate the programme, other than in instances where the specific programme regulations listed below over-ride them. These programme regulations list:

- *Exemptions* which are characterised by the omission of the relevant regulation.
- *Variations* which are characterised by the replacement of part of the regulation with alternative wording.
- *Additional Requirements* which set out what additional rules that apply to students in relation to this programme.

The following **exemptions, variations** and **additional requirements** to the University regulations have been checked by Academic Services and have been approved by the Faculty Education Committee.

A) EXEMPTIONS

The clause(s) listed below describe where an exemption from the University's Academic Regulations exists:

For the whole duration of their studies, students on this Programme are exempt from the following regulations:

- **No exemptions apply.**

B) VARIATIONS

The clause(s) listed below describe where a variation from the University's Academic Regulations exists:

No variations apply

Additional Requirements

The programme requirements listed below are in addition to the University's Academic Regulations:

Additional requirement 1: Royal Society of Biology Accreditation

A pass mark must be obtained in both of our zero-credit, lab-based modules (one at Level 4 and the other Level 5) and the Life Sciences Double Experimental Project with research skills assessment (or, subject to agreement, Double Applied Life Sciences Placement) to attain an accredited degree. For students who do not fulfil the conditions of this regulation, the degree award will be '*Studies in Neuroscience*' and the degree will not be accredited by the Royal Society of Biology.

Additional requirement 2: Attendance

Attendance at tutorials, seminars, workshops and laboratory sessions on this programme is compulsory. Failure to attend a class without good cause will result in an informal warning. Failure to attend any subsequent classes without good cause will lead to the issuing of a formal University warning in accordance with Regulation 1A9 and could result in the requirement to withdraw from the university.

Additional requirement 3: Self-Certification

Self-certification of illness as a reason for absence from compulsory classes will be accepted for no more than two periods of absence, each covering no more than 7 days, per semester. Any subsequent absence for reasons of illness must be accompanied by a doctor's note.

Additional requirement 4: Laboratory and tutorial classes

1. Wearing a laboratory coat is compulsory in all laboratories. Students will not be allowed to attend the laboratory class without a laboratory coat.
2. Students must wear appropriate clothing in the laboratories, including sensible footwear. Closed shoes and low heels should be worn. This is to avoid tripping and to protect the feet in the case of spillages. Long hair must be tied back. Students who are inappropriately dressed may, at the discretion of the member of staff in charge, be excluded from the class and recorded as being absent without good cause.
3. Students who arrive late to laboratory classes may, at the discretion of the member of staff in charge, be excluded from the class and recorded as being absent without good cause.
4. Students who display serious misconduct in any class may, at the discretion of the member of staff in charge, be excluded from the class and recorded as being absent without good cause. Serious misconduct involves wilful damage to property, injury or threat to persons, or persistent disruption of teaching.
5. The unauthorised use of mobile phones or headphones is not permitted in any class.
6. Students are not permitted to record, video or photograph taught sessions or meetings with staff, except with the permission in advance of the staff concerned. Permission will be given where this is part of an approved disability adjustment. Any permission to record, video or photograph is for personal use only and all recordings, videos or photographs remain the property of the presenter and Keele University.

Additional requirement 5: Health and Safety

Students are required to read and follow the procedures in the School of Life Sciences Safety Handbook, which is available from the Biomedical Science Noticeboard on the KLE

Additional requirement 6: Study Abroad and Field Course

3.1 A student who has completed a semester abroad will not normally be eligible to transfer onto the International Year option.

3.2 Students taking the final year module LSC-30066: Tropical Biology Field Course will undertake field work in Malaysia between level 5 and 6. Students must achieve the following criteria to be eligible to attend:

- **Academic Performance:** an average of 55% across all modules in Semester 1 at Level 5 is normally required. Places on the course are then conditional on achieving an average mark of 55% across all Level 5 modules. You will still be eligible to apply if you have up to 15 credits of re-assessment, but still meet the 55% requirement. Where no Semester 1 marks have been awarded, performance at Level 4 and ongoing Level 5 assessments are considered.
- **General Aptitude:** demonstrated through interview during Level 5, semester 2 and by recommendation of your academic mentor, year tutors and/or programme director.

At least one male and one female academic member of staff from the School of Life Sciences will accompany you on the field course to offer support.

There are additional costs associated with the tropical field course that change each year. These will be discussed at Level 5 before you need to decide to apply.

———

[1] References to University Regulations in this document apply to the content of the University's Regulatory Framework as set out on the University website here https://www.keele.ac.uk/regulations/.

Version History

This document

Date Approved: 17 June 2024

Previous documents

Version No	Year	Owner	Date Approved	Summary of and rationale for changes