

Title of Programme: Extended Degree in Science Initial Year

Programme Code: IDKIYS

For Collaborative: External Validation at North Hertfordshire College (NHC or NH), West Herts College (WHC or WH), Hertford Regional College (HRC or HR) and Oaklands College (OAK or OK)

Programme Specification

This programme specification is relevant to students entering:
11 September 2023

Associate Dean of School (Academic Quality Assurance):
Stefanie Schmeer

Signature:



A programme specification is a collection of key information about a programme of study (or course). It identifies the aims and learning outcomes of the programme, lists the modules that make up each stage (or year) of the programme, and the teaching, learning and assessment methods used by teaching staff. It also describes the structure of the programme, its progression requirements and any programme-specific regulations. This information is therefore useful to potential students to help them choose the right programme of study, to current students on the programme, and to staff teaching and administering the programme.

Summary of amendments to the programme:

Section	Amendment

If you have any queries regarding the changes please email AQO@herts.ac.uk

Programme Specification Extended Degree in Science Initial Year

This programme specification (PS) is designed for prospective students, enrolled students, academic staff and potential employers. It provides a concise summary of the main features of the programme and the intended learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the teaching, learning and assessment methods, learning outcomes and content for each module can be found in Definitive Module Documents (DMDs) and Module Guides.

Section 1

Awarding Institution/Body	University of Hertfordshire
Teaching Institution	North Hertfordshire College (NHC), West Herts College (WHC), Hertford Regional College (HRC), Oaklands College (OAK)
University/partner campuses	Stevenage, Watford, Broxbourne, Welwyn Garden City
Programme accredited by	Not applicable
Final Qualification	Not applicable
All Final Award titles (Qualification and Subject)	Not applicable
FHEQ level of award	0

A. Programme Rationale

The Extended Degree in Science Initial Year is a one-year programme designed to offer alternative entry into a range of diverse science degree programmes at the University of Hertfordshire. Students are registered with the University of Hertfordshire and have access to university facilities including accommodation and learning resources.

The programme is managed and delivered by North Hertfordshire College, West Herts College, Hertford Regional College and Oaklands College. It has proved both popular and successful since it was first introduced in 1997. The colleges are large further education colleges where students benefit from small class sizes, and provision is designed to meet the full range of needs of an increasingly diverse student population. The planning, design, delivery and evaluation of the programme involves a fully coordinated collaboration of the teaching teams across the four colleges with input from University of Hertfordshire Subject Specialists, ensuring an optimal student experience and that the highest standards are maintained.

The Initial Year of Extended Degree Science provides a good grounding in fundamental science including biology, chemistry, physics, and mathematics along with more specialised options extending to healthcare, sport and psychology. It is designed to allow students flexibility to tailor their module choices to their interests and abilities, and relevance to their preferred degree programme.

Unlike a typical science foundation programme, the programme does not lead to a UCAS recognised award or an interim award, instead it is an integrated initial year of a four-year BSc, or five-year MPharm, awarded by the University of Hertfordshire.

The programme currently comprises 11 pathways (Mathematics and Physical Sciences are not available in 2023-24) aligned to progression routes and college location and partly to course content (see Table 2, Section D for the modules to be studied). Students are registered on a specific course code according to their first-choice progression route and dependent on their choice of college. Registration on a course code will not necessarily be an obstacle to progressing to a non-aligned degree pathway. For example, a student registered

on a Biomedical and Healthcare Science (BH) code who intends to progress to Physiotherapy could progress to Sports Therapy instead, if they meet all entry requirements.

For the academic year 2023-24, college location on its own will not be an obstacle to entry to any degree pathway, but for Psychology and Sports can have implications for a student loan. Students intending to study a degree in Psychology register on LMWHIYSPSY and attend West Herts College. Students at the other three colleges will be eligible to apply for Psychology, but it will involve a programme transfer. Student Finance England will not recognise this as progression from Initial Year of Extended Degree Science and will only provide three more years of funding. Normally this would be four years to include the so-called gift year, which provides a safety net for students who must retake a year. The same conditions apply to students wanting to study a degree in Sports but attending North Herts College or West Herts College and therefore not registered on LMOKIYSSP, LMHRIYSSP.

There are currently 25 possible progression routes to degree qualifications at the University of Hertfordshire open to students who successfully complete the Initial Year of the Extended Degree in Science. Most of the progression degree programmes are accredited by professional, statutory and regulatory bodies. The range and diversity of professions these qualifications may lead to is exceptionally large. To give just one example, the BSc (Hons) Biomedical Science degree is accredited by the Institute of Biomedical Science, which means graduates can go on to become a certified Biomedical Scientist registered with, and approved by, the Health and Care Professions Council. This can lead to specialisation in many diverse areas, for example in blood sciences, infection sciences or cellular sciences. However, alternative careers are also possible, especially with further postgraduate training, for example Physician Associate or Clinical Scientist. For many, it is the favoured route to pursue a career in medicine or scientific research.

Progression to level 4 of a degree programme is dependent on meeting grade tariffs, a satisfactory personal statement and in some cases successful completion of an interview. Grade tariffs vary amongst degree programmes, but a unique feature of the Extended Degree in Science Initial Year is that students are not tied to a single progression route and upon successful completion have an opportunity to pursue different degree qualifications at the University of Hertfordshire.

Students are taught over two semesters (A and B) and will complete eight modules from a list of 12, and 1 or 2 further options at specific colleges. The individual research project module is core for all students. Recommended combinations of modules aligned to the University degree qualifications students intend to progress to are shown in Table D 2.

B. Educational Aims of the Programme

The programme has been devised in accordance with the University's graduate attributes of programmes of study as set out in [UPR TL03](#).

Additionally, this programme aims to:

- Provide students with the knowledge, scientific academic and independent study skills to embark on a higher education programme in the sciences.
- Provide progression to a BSc (Hons) or MPharm degree programme.
- Enable students to develop knowledge, understanding and investigative skills relevant to a broad education in health and social care, psychology, biomedical, geographical, environmental and physical sciences, mathematics and sports.
- Support the development of the transferable skills and attributes necessary for the students' future professional development through academic study and independent study skills to embark on a higher education programme leading to Bachelor of Science (Hons) or Master of Pharmacy degrees.

C. Intended Learning Outcomes

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills and other attributes in the following areas. The programme outcomes are referenced to the QAA benchmark statements for Biosciences, Biomedical Science, Chemistry, Mathematics, Statistics and Operational Research, Psychology, Physics, Astronomy and Astrophysics and the Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies (2014) and

relate to the typical student. Additionally, the SEEC Credit Level Descriptors for Further and Higher Education (2016) have been used as a guiding framework for curriculum design. Unlike a typical science foundation programme, the programme does not lead to a UCAS recognised award or an interim award, instead it is an integrated initial year of a four-year BSc or five-year MPharm awarded by the University of Hertfordshire.

Knowledge and Understanding	Teaching and learning methods	Assessment strategy
<p>A1- The key concepts and skills fundamental to science</p> <p>A2- The specific knowledge and skills appropriate to entry into level four of their chosen discipline.</p> <p>A3- Solve a range of numerical problems using a range of mathematical methods</p> <p>A4-Evaluate and report scientific information, showing independent thought in modules, culminating in a written project.</p>	<p>Acquisition of knowledge and understanding is through a combination of lectures, laboratory classes, workshops building towards an individual project (A1 and A2). A3 is acquired through the lecture and tutorial programme in Mathematics for Scientists and extended in the optional Mathematics and Advanced Mathematics modules. A4 is acquired throughout the course and the Individual Project module. Throughout, the Acquisition of knowledge and understanding is through a combination of lectures, laboratory classes, workshops building towards an individual project (A1 and A2). A3 is acquired through the lecture and tutorial programme in Mathematics for Scientists and extended in the optional Mathematics and Advanced Mathematics modules. A4 is acquired throughout the course and the Individual Project module. Throughout, the student is encouraged to undertake independent study both to supplement and consolidate what is being taught/learnt and to broaden their individual knowledge and understanding of the subject</p>	<p>Knowledge and understanding are assessed through a variety of methods, including formative assessment opportunities, which are built into each module, a combination of unseen examinations, in course tests, laboratory reports and coursework assignments (A1, A2 and A3), whilst A4 is assessed through the Individual Project module, for formative purposes.</p>
Intellectual skills	Teaching and learning methods	Assessment strategy
<p>B1-Display appropriate laboratory skills including safe working practice.</p> <p>B2-Gather, apply and analyse information from different sources</p> <p>B3-Understand the scientific methods. Evaluate evidence using quantitative and/or qualitative methods</p>	<p>Intellectual skills are developed through laboratory classes, coursework assignments for all the modules (B1 and B2). B3 and B4 are particularly addressed in the Individual Project module. Throughout, the learner is encouraged to develop intellectual skills further by independent study</p>	<p>Intellectual skills are assessed through practical work, throughout the programme (B1). B2 and B3 are covered by coursework assessments in all modules where students are expected to find and evaluate information considering value and bias. B4 is assessed in the individual project report.</p>

B4-Develop awareness of ethical practice and the possible commercial applications of science		
Practical skills	Teaching and learning methods	Assessment strategy
C1- Perform experiments safely in the laboratory for all sciences. C2- Independently research, plan and carry out a scientific investigation	Practical skills are developed through supervised practical work embedded in teaching methods. Semester A activities support Semester B project planning	Practical skills are assessed through timed investigations and their interpretation (C1). The individual project module comprises of supervised, student led, experiential learning. It is assessed through a substantial scientific report involving research (C2).
Transferable skills	Teaching and learning methods	Assessment strategy
D1-Communicate effectively using a variety of formats. D2-Use a range of information sources effectively. D3-Work effectively both alone and as part of a group D4-Be numerate at a level appropriate to their chosen discipline. D5-Use information, analyse technology to source, and present information.	Transferable skills are developed throughout the programme and through activities (D1, D2, D3). Acquisition of D4 is through assignments in Maths for Science and is applied throughout the other modules. Students are expected to make use of IT for in-class presentations, research and for the preparation of assignments (D5). Throughout, the student is encouraged to develop transferable skills by maintaining a record of evidence and completing a personal development plan.	Transferable skills are assessed through laboratory reports and coursework assignments throughout the course (D1, D2 and D5). D1-5 are assessed through workshops, laboratory exercises and the individual project (working alone). Acquisition of D4 is through assignments and activities in Maths for Science.

D. Programme Structures, Features, Levels, Modules, and Credits

The programme is offered in full time (1 year) mode. For 2023-24, students are registered on one of eleven course codes depending on their preferred degree pathway and college location (dependent on availability of places).

The codes are all prefixed LM to indicate School of Life and Medical Sciences. The next two letter code is for the location: NH - North Herts, WH - West Herts, OK - Oaklands, HR - Hertford Regional. IYS is for Initial Year Science. The final letters are for the subject areas as shown below. Please note that some courses are only available at a certain location.

Biomedical and Healthcare Sciences (BH)	LMNHIYSBH, LMWHIYSBH, LMOKIYSBH, LMHRIYSBH
Geography and Environmental Sciences (GE)	LMNHIYSGE, LMWHIYSGE, LMOKIYSGE, LMHRIYSGE
Sports (SP)	LMOKIYSSP, LMHRIYSSP
Psychology (PSY)	LMWHIYSPSY

The courses do not lead to a formal award, but successful completion permits progression to Year 1 of a range of degree programmes delivered at the University of Hertfordshire. Entry is at Level 3 (with A-level or equivalent qualifications). Intake is in Semester A (September).

The programme structure and progression information in the tables below are provided for the completion of the

Initial Year (Year 0) of the Extended Science degree (for detailed progression routes and grade tariffs, see Section G). The Programme Learning Outcomes detailed above are developed and assessed through the constituent modules. Table D4. identifies where each learning outcome is assessed.

Table D1. Outline Programme Structure

Mode of study Full time Entry point Semester A Level 0 Module Titles	Codes (Prefix OFHH)				Credit Points	Language of Delivery	% examination	% coursework	% practical	Semester
	North Herts College	West Herts College	Hertford Regional College	Oaklands College						
Introductory Biology (IB)	0013	0022	0041	0042	15	English	0	100	0	A
Introductory Chemistry (IC)	0014	0023	0043	0044	15	English	0	100	0	A
Introductory Physics (IP)	0015	0024	0046	0047	15	English	0	65	35	A
Introduction to Healthcare (IH)	2000	2001	2003	2002	15	English	0	100	0	A
Sports Science Interventions (SS)	N/A	N/A	2006	2005	15	English	0	100	0	A
Applied Psychology (AP)	N/A	2009	N/A	N/A	15	English	0	50	50	A
Mathematics for Scientists (MS)	0016	0026	0050	0051	15	English	0	100	0	A
Mathematics (M)	0017	0030	0057	0058	15	English	0	100	0	B
Individual Project (Pr)	0018	0025	0048	0049	15	English	0	90	10	B
Mammalian Physiology (MP)	0021	0028	0052	0053	15	English	40	60	0	B
Genes and Ecology (GE)	2010	2011	2013	2012	15	English	40	40	20	B
Chemistry (C)	0010	0029	0055	0056	15	English	40	60	0	B
Health Fitness and Training Methods (AH)	N/A	N/A	2008	2007	15	English	0	50	50	B
Physics (P)	0011	0032	0061	0062	15	English	40	60	0	B
Statistics (S)	0012	0033	0063	0065	15	English	40	60	0	B

N/A not available in 2023-24 at this college () Abbreviated name

Table D2. Module Combinations Aligned to Progression Routes
(see Table D1 for module abbreviations)

Course and Progression Pathways	Semester A							Semester B							
	IB	IC	IP	MS	SS	IH	AP	Pr	MP	GE	C	AH	M	P	S
Biomedical and Healthcare Science															
Nursing (Adult)	C	O	O	T	O	C	O	C	T	A	O	O	O	O	O
Nursing (Child)	C	O	O	T	O	C	O	C	T	A	O	O	O	O	O
Nursing (Learning Disabilities)	C	O	O	T	O	C	O	C	T	A	O	O	O	O	O
Nursing (Mental Health)	C	O	O	T	O	C	O	C	T	A	O	O	O	O	O
Midwifery	T	O	O	T	O	C	O	C	T	A	O	O	O	O	O
Physiotherapy	C	O	A	C	A	C	O	C	T	O	O	A	O	O	O
Paramedic Science	C	T	O	C	O	C	O	C	T	A	T	O	O	O	O
Diagnostic Radiography & Imaging	C	A*	T	C	O	A*	O	C	C	A	O	O	T	C	O
Radiotherapy & Oncology	C	A*	T	C	O	A*	O	C	C	A	O	O	T	C	O
Dietetics	C	T	O	T	O	A	O	C	T	A	T	O	O	O	O
Pharmacy (MPharm)	C	T	O	C	O	A	O	C	C	A	T	O	O	O	O
Pharmaceutical Science	C	C	O	C	O	A	O	C	C	A	C	O	O	O	O
Pharmacology	C	C	O	C	O	A	O	C	C	A	C	O	O	O	O
Biomedical Science	C	C	O	C	O	A	O	C	C	C	A	O	O	O	O
Biological Science	C	C	O	C	O	O	O	C	C	C	A	O	O	O	O
Biochemistry	C	T	O	C	O	O	O	C	C	A	T	O	O	O	O
Social Work	O	O	O	O	O	T	C	O	O	O	O	O	O	O	O
Sports															
Sports Therapy	C	A	O	C	C	O	N/A	C	C	A	O	C	O	O	O
Sports Studies	C	A	O	C	C	O	N/A	C	C	A	O	C	O	O	O
Sports Coaching	C	A	O	C	C	O	N/A	C	C	A	O	C	O	O	O
Sports Business Management	C	A	O	C	C	O	N/A	C	C	A	O	C	O	O	O
Sport & Exercise Science	C	A	O	C	C	O	N/A	C	C	A	O	C	O	O	O
Psychology															
Psychology	C	O	O	C	O	O	C	C	A	A	O	N/A	A	O	C
Geography and Environmental Sciences															
Geography	C	A	O	C	O	O	O	C	O	A	O	O	O	O	A
Environmental Management & Ecol.	C	A	O	C	O	O	O	C	O	A	O	O	O	O	C

T = tariff (essential), C = core, A = advised, O = optional, A* = advised if a gap in background

Table D 2. provides a guide to the modules taken by students progressing onto the degree programmes listed. Nearly all progression routes set a required overall average across all modules that is higher than 40%. Some also require a minimum grade in certain modules, indicated by T in the table D2 (see section H). These modules are therefore essential for that progression route. The core modules are also expected but only require a pass. Advisory modules are not essential but strongly advised if not covered by previous training.

Honours classification

Progression to level 4 involves transfer to a BSc (Hons) or MPharm programme. The University has approved structure and assessment regulations common to all programmes. Full details are provided in [UPR AS14](#), Section D.

Final and interim awards

The programme does not provide any final or interim awards.

Programme-specific assessment regulations

The programme complies with the University's academic regulations (in particular, [UPR AS11](#), [UPR AS12/UPR AS13](#) and [UPR AS14](#)) except for those listed below, which have been approved by the University:

Further points of clarification and interpretation relevant to this specific programme are given below:

- Successful completion of 120 credits and a satisfactory personal statement is the minimum requirement for progression to Year 1 (Level 4) of participating programmes.
- Most progression routes require a higher overall average grade, and some require higher grades in specific modules and the successful completion of an interview. This tariff is set each year.
- Some programmes also require satisfactory Occupational Health clearance and a satisfactory Enhanced Disclosure and Barring Service (DBS) check (see Section H for detailed information).
- Students entering the Initial Year without the requisite GCSEs or equivalent, will need to acquire these qualifications before progression to Year 1.

E. Management of Programme & Support for student learning.

Management

- The programme is managed and administered through:
 - Head of Teaching & Learning, Higher Education (North Hertfordshire College), Director of Higher Level Learning (West Herts College), Higher Education Development Manager (HRC) and Higher Education Manager (OAK)
 - A Programme Manager with responsibility for the day-to-day management of the programme and admissions at each College. The Programme Manager will help students to understand the course/programme structure, take overall responsibility for running the programme including induction, administration and the production of the Annual Monitoring and Evaluation Report.
 - A Collaborative Partnership Leader, who provides support and facilitates communication between the College and the University and chairs the Programme Committee.
 - Module leaders who are responsible for the individual modules.
 - Cross-college Module Leaders who are responsible for ensuring parity of delivery of the equivalent module at each of the colleges.
 - A programme committee, the membership of which includes: Collaborative Partnership Leader (Chair); Programme Administrator (Clerk); Programme Manager (PM)/Deputy PM from the College (or alternate); teaching staff; two student representatives per college (one third of the membership required to attend to be quorate).

Support

Students are supported by:

- An induction week at the beginning of each new academic session.
- Overseas Orientation
- An extensive Learning Resources Centre, incorporating a library and computer centre.
- Online information and learning materials and support through the University's Managed Learning Environment (StudyNet and Canvas) as well as a college wide set of systems and tools for educational delivery.
- Student handbooks.
- A Programme Manager to help students understand the course structure.
- A Collaborative Partnership Leader to liaise between the College and University, and to support the progression process.
- An Administrator to help with module registration, and examination arrangements and results.
- Module Leaders to help students understand the aims, outcomes and organization of the modules.
- Personal tutors to provide pastoral and academic support.

- A personal tutor for the Individual Project module.
- A substantial Student Services Centre that provides advice on issues such as finance, University regulations, legal matters etc.
- An Accommodation Office.
- A Disabled Student Tutor.
- Student representatives on programme committees and student council.
- The Students' Union.
- Careers and Employment Service.

F. Other sources of information

In addition to this Programme Specification, the University publishes guidance to registered students on the programme and its constituent modules:

- A Programme (or Student) Handbook
- A Definitive Module Document (DMD) for each constituent module
- A Module Guide for each constituent module.

The [Ask Herts](#) website provides information on a wide range of resources and services available at the University of Hertfordshire including academic support, accommodation, fees, funding, visas, wellbeing services and student societies.

As a condition of registration, all students at the University of Hertfordshire are required to comply with the University's rules, regulations and procedures. These are published in a series of documents called "University Policies and Regulations" (UPRs). The University requires that all students consult these documents which are available on-line, on the UPR web site, at: <http://www.herts.ac.uk/secreg/upr/>. Most importantly, [UPR SA07](#) "Regulations and Advice for Students' Particular Attention – Index", which provides information on the UPRs that contain the academic regulations of most relevance for undergraduate and taught postgraduate students.

In accordance with section 4(5) of the Higher Education and Research Act 2017 (HERA), the UK Office for Students (OfS) has registered the University of Hertfordshire in the register of English higher education providers. The Register can be viewed at: <https://www.officeforstudents.org.uk/advice-and-guidance/the-register/the-ofs-register/>. Furthermore, the OfS has judged that the University of Hertfordshire delivers consistently outstanding teaching, learning and outcomes for its students. It is of the highest quality found in the UK. Consequently, the University received a Gold award in the 2018 Teaching Excellence and Student Outcomes (TEF) exercise. This award was made in June 2018 and is valid for up to 3 years. The TEF panel's report and conclusions can be accessed at: <https://www.officeforstudents.org.uk/advice-and-guidance/teaching/tef-outcomes/#/tefoutcomes/provider/10007147>

G. Entry requirements

For current entry tariff point requirements, please refer to the relevant page for the Initial Year Extended Degree Science programme on the University website or on the online prospectus. Also, please check current entry requirements for the degree programme website for relevant progression routes.

The normal entry requirements (see exceptions below) for the Initial Year Extended Degree Science programme are:

- 48 UCAS points, which can be made up of at least a full 4-unit A level (A2), a BTEC National Award or equivalent (please note the UCAS points cannot be made up of only AS levels).
- IB - 48 points with a minimum of 1 HL subject at grade 4 or above (with the remaining points to come from a combination of HL, SL and Core).

together with:

- GCSE Maths, English Language and Science at grade 4 or above (Grade C under the old grading structure) or equivalent.

Exceptions:

- Students intending to progress to the MPharm degree programme require GCSE Maths, English Language and Double Science at grade 5 (a high C or low B under the old grading system) or equivalent.
- Students intending to progress to a Nursing or Midwifery degree programme require GCSEs in Maths, English Language, Science and two more subjects at grade 4 (Grade C under the old grading structure) or equivalent.

Applications are also welcomed from mature applicants with other formal qualifications and employment experience. The equivalency of these to the normal entry requirements will be considered on an individual basis.

The University of Hertfordshire is committed to welcoming students with a wide range of qualifications and levels of experience. The entry requirements listed on the course pages provide a guide to the minimum level of qualifications needed to study each course. However, we have a flexible approach to admissions and each application will be considered on an individual basis.

Applicants intending to progress to professional programmes at the University of Hertfordshire that require an interview and a satisfactory Enhanced Disclosure and Barring Service (DBS) and Occupational Health check will be made aware of this requirement when applying to the college.

The programme is subject to the University's Principles, Policies and Regulations for the Admission of Students to Undergraduate and Taught Postgraduate Programmes (in [UPR SA03](#)), along with associated procedures. These will take account of University policy and guidelines for assessing accredited prior certificated learning (APCL) and accredited prior experiential learning (APEL).

H. Progression requirements

To progress to level 4 on a BSc (Hons) or MPharm degree programme students must satisfy minimum requirements. These vary across the degree programmes and are set out in detail in Table H1.

Students must submit a completed application form by the set deadline (13th October 2023), which includes their first, second and third choice of progression route and two personal statements: one for the first choice and one for the second choice progression route. A satisfactory personal statement is a requirement for progression to level 4 and may be the basis upon which an application is rejected.

In Table H1 requirements for a formal interview, a satisfactory Disclosure and Barring Service (DBS) check and a pass in occupational health is shown in column I by a Y for yes and N for no.

Column Av indicates the overall average grade required based on 120 credits (8 modules 15 credits each).

The column labelled "with a minimum" lists any specific module grade tariffs that must be met. Note these may also require passes in prerequisite modules.

The column labelled "other" lists additional requirements, such as a workplace visit or a numeracy test, which must be completed before progression to level 4 of a University of Hertfordshire programme.

If you would like this information in an alternative format please contact:
consortium@herts.ac.uk

If you wish to receive a copy of the latest External Examiner's Report for the programme, please email a request to aqo@herts.ac.uk

Table H1. Progression requirements

I – formal interview, Y – Yes required N – No, not required, Av – average grade of passed 120 credits (8 modules).

Biomedical and Healthcare Science (BM) Course codes: LMNHIYSBH, LMWHIYSBH, LMOKIYSBH, LMHRIYSBH							
HECoS	UCAS	Course	Title	I	Av	With a minimum	Other requirements
100279	B700	HHNURA	BSc (Hons) Nursing (Adult)	Y	60%	50% Mammalian Physiology, 50% Maths for Scientists	Numeracy test, literacy test, interview focused on the values of nursing. Grade 4 in 5 GCSEs (inc. Maths and English) or equivalents.
100280	B702	HHNURC	BSc (Hons) Nursing (Child)	Y	60%	50% Mammalian Physiology, 50% Maths for Scientists	The same as for HHNURA
100286	B761	HHNURLD	BSc (Hons) Nursing (Learning Disabilities)	Y	60%	50% Mammalian Physiology, 50% Maths for Scientists	The same as for HHNURA
100287	B701	HHNURMH	BSc (Hons) Nursing (Mental Health)	Y	60%	50% Mammalian Physiology, 50% Maths for Scientists	The same as for HHNURA
100288	B720	HSMID	BSc (Hons) Midwifery (Pre-registration)	Y	60%	60% Mammalian Physiology 60% Introductory Biology, 50% Maths for Scientists	Grade 4 in 5 GCSE (inc. Maths, English and Science) or equivalents. Second reference required.
100749	B780	HHPAS	BSc (Hons) Paramedic Science	Y	60%	70% Mammalian Physiology, 70% Chemistry	
100744	B410	HHDIET	BSc (Hons) Dietetics	Y	60%	50% Maths for Science, 60% Chemistry, 60% Mammalian Physiology	
100252	B160	HHPHY	BSc (Hons) Physiotherapy	Y	65%	70% Mammalian Physiology	
100251	B230	HHMPHA	Master of Pharmacy (MPharm)	Y	70%	70% Chemistry, 50% Maths for Science	
100251	B202	LMPSC	BSc (Hons) Pharmaceutical Science	N	60%	60% Chemistry, and 60% Maths for Science	
100129	B821	HHRGI	BSc (Hons) Diagnostic Radiography & Imaging	Y	65%	60% Mammalian Physiology, 55% Maths for Science, 50% Introductory Physics, 40% Physics	Clinical visit to a Radiology department strongly advised
101327	B822	HHRTO	BSc (Hons) Radiotherapy & Oncology	Y	60%	60% Mammalian Physiology, 55% Maths for Science, 50% Introductory Physics, 40% Physics	Clinical visit to a Radiotherapy department strongly advised
100503	L500	HHSW	BSc (Hons) Social Work	Y	50%	50% Introductory Healthcare	Individual project related to social work
100250	B210	HHBIOPHA	BSc (Hons) Pharmacology	N	50%		
100265	B990	HHBIOBIM	BSc (Hons) Biomedical Science	N	60%		
100346	C902	HHBIOBLS	BSc (Hons) Biological Sciences	N	40%		
100344	C1CR	HHBIOBIC	BSc (Hons) Biochemistry	N	50%	50% Chemistry	

Geography and Environmental Sciences (GE): LMNHIYSGE, LMWHIYSGE, LMOKIYSGE, LMHRIYSGE							
HECoS	UCAS	Course	Title	I	Av	With a minimum of:	Other
100409	F800	HHGEG	BSc (Hons) Geography	N	40%		
100381/ 100347	F750	HHGEME	BSc (Hons) Environmental Management and Ecology	N	40%		

Psychology (PC): LMWHIYSPSY							
HECoS	UCAS	Course	Title	I	Av	With a minimum of:	Other
100497	C800	HHPSY	BSc (Hons) Psychology	N	60%	50% in Maths for Scientists	

Sports (SP): LMNHIYSSP, LMWHIYSSP, LMOKIYSSP, LMHRIYSSP							
HECoS	UCAS	Course	Title	I	Av	With a minimum of:	Other
100433	CB63	HHSP0	BSc (Hons) Sports Therapy	Y	60%		
100098	C602	HHSPS	BSc (Hons) Sports Studies	N	60%		Requires demonstrated interest in sport, e.g. coaching, and commitment to attaining sports coaching awards
100095	C610	LMSPC	BSc (Hons) Sports Coaching	N	60%		
100098	N880	LMSBM	BSc (Hons) Sports Business Management	N	60%		
100433	C600	HHSP0	BSc (Hons) Sport and Exercise Science	N	60%		

Table H2: Development of Intended Programme Learning Outcomes in the Constituent Modules

The table maps where the programme learning outcomes are assessed in the constituent modules. It provides (i) an aid to academic staff in understanding how individual modules contribute to the programme aims (ii) a checklist for quality control purposes and (iii) a means to help students monitor their own learning, personal and professional development as the programme progresses.

	Module Codes					Programme Learning Outcomes														
						Knowledge and understanding				Intellectual skills				Practical skills		Transferable skills				
Module Title	Prefix	NHC	WHC	HRC	OAK	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	D1	D2	D3	D4	D5
Introductory Biology	0FHH00	13	22	41	42	x	x			x	x	x		x		x	x			x
Introductory Chemistry	0FHH00	14	23	43	44	x	x	x		x	x	x		x		x	x			
Introductory Physics	0FHH00	15	24	46	47	x	x	x		x	x	x	x	x		x	x	x		x
Individual Project	0FHH00	18	25	48	49	x	x	x	x	x	x	x	x	x	x	x	x	x		x
Mathematics for Scientists	0FHH00	16	26	50	51	x	x	x			x	x			x	x	x	x	x	
Mammalian Physiology	0FHH00	21	28	52	53	x	x		x	x	x	x		x		x	x	x		x
Chemistry	0FHH00	10	29	55	56	x	x	x		x	x	x		x		x	x	x		
Mathematics	0FHH00	17	30	57	58	x	x	x				x				x		x	x	
Physics	0FHH00	11	32	61	62	x	x	x	x	x			x	x	x	x	x			
Statistics	0FHH00	12	33	63	65	x	x	x			x	x				x	x	x	x	x
Genes and Ecology	0FHH20	10	11	13	12	x	x	x		x	x	x		x		x	x	x		
Introduction to Healthcare	0FHH20	00	01	03	02	x	x				x	x	x			x	x	x	x	x
Sports Science Interventions	0FHH20	-	-	06	05	x	x				x	x	x			x	x	x	x	x
Applied Psychology	0FHH20	-	09	-	-	x	x	x			x	x	x			x	x	x	x	x
Aspects of Health Fitness and Training Methods	0FHH20	-	-	08	07	x	x	x			x	x	x			x	x	x	x	x

KEY TO PROGRAMME LEARNING OUTCOMES

Knowledge and Understanding

- A1. Acquire a broad knowledge of key concepts and skills fundamental to science.
- A2. Acquire the specific knowledge and skills appropriate to entry into level four of their chosen discipline.
- A3. Solve a range of numerical problems using a range of mathematical methods.
- A4. Evaluate and report scientific information in a written project.

Intellectual Skills

- B1. Display appropriate laboratory skills including safe working practice where appropriate
- B2. Gather information from different sources.
- B3. Display an awareness of the existence and nature of value judgments.
- B4. Develop awareness of ethical practice and the possible and commercial applications of science.

Practical Skills

- C1. Perform experiments safely in the laboratory for all the sciences.
- C2. Independently research, plan and carry out a scientific investigation.

Transferable Skills

- D1. Communicate effectively using a variety of formats.
- D2. Use effectively a range of information sources.
- D3. Work efficiently both alone and as part of a group.
- D4. Be numerate at a level appropriate to their chosen discipline.
- D5. Use information and analyse with technology to source and present information.

Section 2

Programme management

Relevant QAA subject benchmarking statements

Type of programme

Date of validation/last periodic review

Date of production/ last revision of PS

Relevant to level/cohort

Administrative School

Language of Delivery

Biosciences, Biomedical Science, Chemistry, Mathematics, Statistics and Operational Research Physics

Undergraduate

October 21

June 2022

Level 0 entering September 2023

School of Life and Medical Sciences

English

Table 4 Course structure

Course code	Course description		HECOS	UCAS
LMNHIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science	North Hertfordshire College	100265/100260	B904
LMWHIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science	West Hertfordshire College	100265/100260	B904
LMOKIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science	Oaklands College	100265/100260	B904
LMHRIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science	Hertford Regional College	100265/100260	B904
LMOKIYSSP	Initial Year for Extended Degree in Science – Sports	Oaklands College	100098	B903
LMHRIYSSP	Initial Year for Extended Degree in Science – Sports	Hertford Regional College	100098	B903
LMWHIYSPSY	Initial Year for Extended Degree in Science – Psychology	West Hertfordshire College	100497	B905
LMNHIYSGE	Initial Year for Extended Degree in Science – Geography and Environmental Sciences	North Hertfordshire College	100409/100381	B906
LMWHIYSGE	Initial Year for Extended Degree in Science – Geography and Environmental Sciences	West Hertfordshire College	100409/100381	B906
LMOKIYSGE	Initial Year for Extended Degree in Science – Geography and Environmental Sciences	Oaklands College	100409/100381	B906
LMHRIYSGE	Initial Year for Extended Degree in Science – Geography and Environmental Sciences	Hertford Regional College	100409/100381	B906