

School of Life and Medical Sciences

Title of Programme: Extended Degree in Science Initial Year

Programme Code: IDKIYS

Course Code(s):

Biomedical and Healthcare Science: LMNHIYSBH, LMWHIYSBH, LMOKIYSBH, LMHRIYSBH

Sports: LMOKIYSSP, LMHRIYSSP

Psychology: LMWHIYSPSY

Physical Sciences: LMNHIYSPS

Mathematics: LMNHIYSMT

Geography and Environmental Sciences: LMNHIYSGE, LMWHIYSGE, LMOKIYSGE, LMHRIYSGE

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:
12 September 2022

Associate Dean of School (Academic Quality Assurance):
Dr 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

BSc 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 1	North Hertfordshire College (NHC)
University/partner campuses	Stevenage
Teaching Institution 2	West Herts College (WHC)
University/partner campuses	Watford
Teaching Institution 3	Hertford Regional College (HRC)
University/partner campuses	Broxbourne
Teaching Institution 4	Oaklands College (OAK)
University/partner campuses	Welwyn Garden City
Final Qualification	Not applicable
All Final Award titles (Qualification and Subject)	Not applicable
FHEQ level of award	3
UCAS code(s)	B903, B904, B905, B906, G101, F900
Language of Delivery	English

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 the 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 13 pathways 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 2022-23, except for Mathematics (MT) and Physical Sciences (PS), which are only available at North Hertfordshire College, college location will not be an obstacle to progression to any other degree pathway including those in sports and psychology, provided all entry requirements are met.

There are currently 34 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. The range and diversity of professions these progression qualifications may lead to is exceptionally large. Most of the progression degree programmes are accredited by professional, statutory and regulatory bodies, which opens up a number of career paths to students who complete the progression programme successfully. 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 13 or 14. One module involving an individual research project is core for all students. Recommended combinations of core, advisory and optional modules aligned to the University degree qualifications students intend to progress to are shown in Table 2, Section D.

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.

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 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 in to 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>B4-Develop awareness of ethical practice and the possible commercial applications of science</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>
Practical skills	Teaching and learning methods	Assessment strategy
<p>C1- Perform experiments safely in the laboratory for all sciences.</p> <p>C2- Independently research, plan and carry out a scientific investigation</p>	<p>Practical skills are developed through supervised practical work embedded in teaching methods.</p> <p>Semester A activities support Semester B project planning</p>	<p>Practical skills are assessed through timed investigations and their interpretation (C1).</p> <p>The individual project module comprises of supervised, student led, experiential learning. It is assessed through a substantial scientific report involving research (C2).</p>
Transferable skills	Teaching and learning methods	Assessment strategy
<p>D1-Communicate effectively using a variety of formats.</p>	<p>Transferable skills are developed throughout the programme and</p>	<p>Transferable skills are assessed through laboratory</p>

D2-Use a range of information sources effectively.	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).	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).
D3-Work effectively both alone and as part of a group		Acquisition of D4 is through assignments and activities in Maths for Science.
D4-Be numerate at a level appropriate to their chosen discipline.	Throughout, the student is encouraged to develop transferable skills by maintaining a record of evidence and completing a personal development plan.	
D5-Use information, analyse technology to source, and present information.		

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

The programme is offered in full time (1 year) mode. For 2022-23, students are registered on one of thirteen 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 Science (BH) LMNHIYSBH, LMWHIYSBH, LMOKIYSBH, LMHRIYSBH
 Sports (SP) LMOKIYSSP, LMHRIYSSP
 Psychology (PSY) LMWHIYSPSY
 Geography and Environmental Sciences (GE) LMNHIYSGE, LMWHIYSGE, LMOKIYSGE, LMHRIYSGE
 Physical Sciences (PS) LMNHIYSPS
 Mathematics (MT) LMNHIYSMT

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 normally in Semester A (September).

Programme Structure

The programme structure and progression information below (Table 1) is 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 4 identifies where each learning outcome is assessed.

Table 1 Outline Programme Structure

Mode of study Full time Entry point Semester A Level 0	Codes (Prefix OFHH)				Credit Points	Language of Delivery	% examination	% coursework	% practical	Semester
	North Herts College	West Herts College	Hertford Regional College	Oaklands College						
Module Titles										
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
Introduction to Computational Modelling (CM)	2004	#	#	#	15	English	0	100	0	A
Sports Science Interventions (SS)	#	#	2006	2005	15	English	0	100	0	A
Applied Psychology (AP)	#	2009	#	#	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	A,B
Advanced Mathematics (AM)	0019	#	#	#	15	English	40	60	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
Aspects of Health Fitness and Training Methods (AH)	#	#	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

not available () Abbreviated name

Table 2. Module Combinations Aligned to Progression Routes (see Table 1 for abbreviated module names)

Course and Progression Pathways	Semester A									Semester B								
	IB	IC	IP	MS	M	SS*	IH	AP*	CM*	Pr	MP	GE	C	AH*	M	AM*	P	S
Biomedical and Healthcare Science																		
Nursing (Adult)	C	A	O	C	-	O	C	O	O	C	C	A	O	O	O	O	O	O
Nursing (Child)	C	A	O	C	-	O	C	O	O	C	C	A	O	O	O	O	O	O
Nursing (Learning Disabilities)	C	A	O	C	-	O	C	O	O	C	C	A	O	O	O	O	O	O
Nursing (Mental Health)	C	A	O	C	-	O	C	O	O	C	C	A	O	O	O	O	O	O
Midwifery	C	A	O	C	-	O	C	O	O	C	C	A	O	O	O	O	O	O
Physiotherapy	C	A	O	C	-	O	C	O	O	C	C	A	O	O	O	O	O	O
Paramedic Science	C	C	O	C	-	O	C	O	O	C	C	A	C	O	O	O	O	O
Diagnostic Radiography & Imaging	C	O	C	C	-	O	O	O	O	C	C	A	O	O	O	O	C	O
Radiotherapy & Oncology	C	O	C	C	-	O	O	O	O	C	C	A	O	O	O	O	C	O
Social Work	O	O	O	O	-	O	C	C	O	O	O	O	O	O	O	O	O	O
Dietetics	C	C	O	C	-	O	A	O	O	C	C	A	C	O	O	O	O	O
Nutrition	C	C	O	C	-	O	A	O	O	C	C	A	C	O	O	O	O	O
Pharmacy (MPharm)	C	C	O	C	-	O	A	O	O	C	C	A	C	O	O	O	O	O
Pharmaceutical Science	C	C	O	C	-	O	A	O	O	C	C	A	C	O	O	O	O	O
Pharmacology	C	C	O	C	-	O	A	O	O	C	C	A	C	O	O	O	O	O
Biomedical Science	C	C	O	C	-	O	A	O	O	C	C	C	A	O	O	O	O	O
Biological Science	C	C	O	C	-	O	O	O	O	C	C	C	A	O	O	O	O	O
Molecular Biology	C	C	O	C	-	O	O	O	O	C	C	C	A	O	O	O	O	O
Biochemistry	C	C	O	C	-	O	O	O	O	C	C	A	C	O	O	O	O	O
Sports*																		
Sports Therapy	C	A	O	C	-	C	O	-	O	C	C	A	O	C	O	-	O	O
Sports Studies	C	A	O	C	-	C	O	-	O	C	C	A	O	C	O	-	O	O
Sports Development	C	A	O	C	-	C	O	-	O	C	C	A	O	C	O	-	O	O
Sports Coaching	C	A	O	C	-	C	O	-	O	C	C	A	O	C	O	-	O	O
Sports Business Management	C	A	O	C	-	C	O	-	O	C	C	A	O	C	O	-	O	O
Sport & Exercise Science	C	A	O	C	-	C	O	-	O	C	C	A	O	C	O	-	O	O
Psychology																		
Psychology	C	O	O	C	-	O	-	C	-	C	A	A	O	-	A	-	O	C
Geographical and Environ. Sciences																		
Human Geography	C	A	O	C	-	O	O	O	O	C	O	A	O	O	O	O	O	A
Physical Geography	C	A	O	C	-	O	O	O	O	C	O	A	O	O	O	O	O	A
Geography	C	A	O	C	-	O	O	O	O	C	O	A	O	O	O	O	O	A
Environmental Management & Ecol.	C	A	O	C	-	O	O	O	O	C	O	A	O	O	O	O	O	C
Mathematics *																		
Mathematics	O	O	O	-	C	-	O	-	C	C	O	O	O	-	O	C	O	C
Financial Mathematics	O	O	O	-	C	-	O	-	C	C	O	O	O	-	O	C	O	C
Physical Sciences *																		
Astrophysics	O	O	C	-	C	-	O	-	C	C	O	O	O	-	O	C	C	A
Physics	O	O	C	-	C	-	O	-	C	C	O	O	O	-	O	C	C	A
	C			A			O			-				*				

Table 2 provides a guide to the modules taken by students progressing onto the degree programmes listed. Progression to level 4 requires a minimum of 120 credits (a pass in each of eight 15-credit modules), achieving the required average and specific module tariff grades, completion of a satisfactory personal statement and for some routes a successful interview. These requirements are reviewed and set each year. In addition, some programmes require satisfactory Occupational Health clearance and a satisfactory Enhanced Disclosure and Barring Service (DBS) check (see Section H for detailed information).

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](#)) with the exception of 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, with some progression routes requiring higher grades in specific modules and/or the successful completion of an interview, according to the tariff set each year.
- 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.
- 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 of 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/>. In particular, [UPR SA07 'Regulations and Advice for Students' Particular Attention - Index](#) provides information on the UPRs that contain the academic regulations of particular 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/#/provider/10007147>

G. Entry requirements

The normal entry requirements for the programme are:

For current entry tariff point requirements, please refer to the relevant page for the programme on the University website or on the online prospectus.

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.

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 3.

Students must submit a completed application form by the set deadline (14th October 2022), 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.

Column A in Table 3 indicates the overall average grade required based on 120 credits. Column I indicates if an interview is required. If yes (Y), a satisfactory Disclosure and Barring Service (DBS) check and a pass in occupational health are also needed. The column labelled "with a minimum" lists any specific module grade tariffs that must be met. 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.

Table 3. Progression requirements (A – average grade of passed 120 credits=8 modules, I – formal interview, Y – Yes required N – No, not required)

Biomedical and Healthcare Science (BM) Course: LMNHIYSBH, LMWHIYSBH, LMOKIYSBH, LMHRIYSBH (UCAS B904)						
HECoS	Course	Title	A	I	With a minimum	Other
100279	HHNURA	BSc (Hons) Nursing (Adult)	55%	Y	50% in Mammalian Physiology, 50% in Maths for Scientists	Numeracy test, literacy test, interview focused on the values of nursing. Grade 4 (C) in 5 GCSEs including Maths and English or university equivalents.
100280	HHNURC	BSc (Hons) Nursing (Child)	55%	Y	50% in Mammalian Physiology, 50% in Maths for Scientists	As for HHNURA plus work or voluntary experience with children.
100286	HHNURLD	BSc (Hons) Nursing (Learning Disabilities)	55%	Y	50% in Mammalian Physiology, 50% in Maths for Scientists	The same as for HHNURA
100287	HHNURMH	BSc (Hons) Nursing (Mental Health)	55%	Y	50% in Mammalian Physiology, 50% in Maths for Scientists	The same as for HHNURA
100288	HHMW	BSc (Hons) Midwifery	60%	Y	60% in Mammalian Physiology 60% in Introductory Biology, 50% in Maths for Scientists	Grade 4 (C) in 5 GCSEs including Maths, English and Science or university equivalents. Subject to a satisfactory second reference
100749	HHPAS	BSc(Hons) Paramedic Science	60%	Y	70% in Mammalian Physiology, 70% in Chemistry	
100744	HHDIET	BSc(Hons) Dietetics	60%	Y	50% in Maths for Science, 70% in Chemistry, 70% Mammalian Physiology	
100252	HHPHY	BSc(Hons) Physiotherapy	65%	Y	70% in Mammalian Physiology	
100251	HHMPHA	Master of Pharmacy (MPharm)	70%	Y	70% in Chemistry, 50% in Maths for Science	
100251	LMPSC	BSc(Hons) Pharmaceutical Science	60%	Y	60% in Chemistry, and 50% in Maths for Science	
100129	HHRGI	BSc(Hons) Diagnostic Radiography & Imaging	65%	Y	60% in Mammalian Physiology, 55% in Maths for Science, 50% Introductory Physics, 40% Physics	Clinical visit to a Radiology dept.
101327	HHRTO	BSc(Hons) Radiotherapy & Oncology	60%	Y	60% in Mammalian Physiology, 55% in Maths for Science, 50% Introductory Physics, 40% Physics	Clinical visit to a Radiotherapy dept.
100503	HHSW	BSc(Hons) Social Work	50%	N	50% in Introduction to Healthcare	Social work related Individual project
100247	HHNUT	BSc(Hons) Nutrition	60%	N	60% in Biology, 60% in Chemistry	
100250	HHBIOPHA	BSc(Hons) Pharmacology	50%	N		
100265	HHBIOBIM	BSc(Hons) Biomedical Science	60%	N		
100345	HHBIOBLS	BSc(Hons) Biological Sciences	40%	N		
100354	HHBIOMOL	BSc(Hons) Molecular Biology	50%	N		
100344	HHBIOBIC	BSc(Hons) Biochemistry	50%	N	50% in Chemistry	

Physical Sciences (PS) Course: LMNHIYSPS (UCAS F900)						
HECoS	Course	Title	A	I	With a minimum of:	Other
100415	EIPHYAP	BSc(Hons) Astrophysics	50%	N	50% in Advanced Mathematics, 50% in Physics modules	
100425	EIPHY	BSc (Hons) Physics	50%	N	50% in Advanced Mathematics, 50% in Physics modules	

Mathematics (MT): LMNHIYSMT (UCAS G101)						
HECoS	Course	Title	A	I	With a minimum of:	Other
100403	EIMM	BSc(Hons) Mathematics	50%	N	50% in Advanced Mathematics 40% in Physics modules	
100401	EIMM	BSc(Hons) Financial Mathematics	50%	N	50% in Advanced Mathematics 40% in Physics modules	

Geography and Environmental Sciences (GE): LMNHIYSGE, LMWHIYSGE, LMOKIYSGE, LMHRIYSGE (UCAS B906)						
HECoS	Course	Title	A	I	With a minimum of:	Other
100409	HHGEH	BSc (Hons) Human Geography	50%	N		
100409	HHGEP	BSc (Hons) Physical Geography	50%	N		
100409	HHGEG	BSc (Hons) Geography	50%	N		
100347/ 100381	HHGEME	BSc (Hons) Environmental Management and Ecology	50%	N		

Psychology (PC): LMWHIYSPSY (UCAS B905)						
100479	HHPSY	BSc (Hons) Psychology	60%	N	50% in Maths for Scientists	

Sports (SP): LMNHIYSSP, LMWHIYSSP, LMOKIYSSP, LMHRIYSSP (UCAS B903)						
HECoS	Course	Title	A	I	With a minimum of:	Other
100475	HHSP0	BSc (Hons) Sports Therapy	60%	Y		
100097	HHSPS	BSc (Hons) Sports Development	60%	N		Requires demonstrated interest in sport, e.g. coaching, and commitment to attaining sports coaching awards
100098	HHSPS	BSc (Hons) Sports Studies	60%	N		
100095	HHSPS	BSc (Hons) Sports Coaching	60%	N		
100097	HHSPS	BSc (Hons) Sports Business Management	60%	N		
100433	HHSP0	BSc (Hons) Sport and Exercise Science	60%	N		

If you would like this information in an alternative format please contact:
Katie Parkash: k.parkash@herts.ac.uk or icadmin@herts.ac.uk

If you wish to receive a copy of the latest Programme Annual Monitoring and Evaluation Report (AMER), please email a request to aqo@herts.ac.uk

BSc Extended Degree in Science Initial Year

Table 4: Development of Intended Programme Learning Outcomes in the Constituent Modules

This map identifies 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.

		Programme Learning Outcomes (identified in section 1 and the following page)																				
		Module codes				Knowledge & 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	
Level 3	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		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		
	Advanced Mathematics	0FHH00	19	-	-	-	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
	Introduction to Computational Modelling	0FHH20	04	-	-	-	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	Biosciences, Biomedical Science, Chemistry, Mathematics, Statistics and Operational Research Physics, Astronomy and Astrophysics,
Type of programme	Undergraduate
Date of validation/last periodic review	October 2021
Date of production/ last revision of PS	March 2021
Relevant to level/cohort	Choose a level: Level 3 entering September 2022
Administrative School	School of Life and Medical Sciences

Table 5 Course structure

Course details		
Course code	Course description	HECOS
LMNHIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science – North Hertfordshire College	100265/100260
LMWHIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science - West Hertfordshire College	100265/100260
LMOKIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science - Oaklands College	100265/100260
LMHRIYSBH	Initial Year for Extended Degree in Science – Biomedical and Healthcare Science – Hertford Regional College	100265/100260
LMOKIYSSP	Initial Year for Extended Degree in Science – Sports - Oaklands College	100098
LMHRIYSSP	Initial Year for Extended Degree in Science – Sports – Hertford Regional College	100098
LMNHIYSPS	Initial Year for Extended Degree in Science – Physical Sciences – North Hertfordshire College	100424
LMNHIYSMT	Initial Year for Extended Degree Science – Mathematics – North Hertfordshire College	100403
LMWHIYSPSY	Initial Year for Extended Degree Science – Psychology - West Hertfordshire College	100497
LMNHIYSGE	Initial Year for Extended Degree Science – Geography and Environmental Sciences - North Hertfordshire College	100409/100381
LMWHIYSGE	Initial Year for Extended Degree Science – Geography and Environmental Sciences - West Hertfordshire College	100409/100381
LMOKIYSGE	Initial Year for Extended Degree Science – Geography and Environmental Sciences - Oaklands College	100409/100381
LMHRIYSGE	Initial Year for Extended Degree Science – Geography and Environmental Sciences – Hertford Regional College	100409/100381