

Programme Specification: Undergraduate

For students starting in Academic Year 2022/23

1. Course Summary

Names of programme and award title(s)	BSc (Hons) Pharmaceutical and Cosmetic Science
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
Maximum period of registration	The normal length as specified above plus 3 years
Location of study	Keele Campus
Accreditation (if applicable)	n/a
Regulator	Office for Students (OfS)
Tuition Fees	<p>UK students:</p> <p>Fee for 2022/23 is £9,250*</p> <p>International students:</p> <p>Fee for 2022/23 is £24,200**</p>

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/>

** We reserve the right to increase fees in subsequent years of study by an inflationary amount. Please refer to the accompanying Student Terms & Conditions for full details. Further information on fees can be found at <http://www.keele.ac.uk/studentfunding/tuitionfees/>

2. What is a Single Honours programme?

The Single Honours programme described in this document allows you to focus more or less exclusively on this subject. In keeping with Keele's commitment to breadth in the curriculum, the programme also gives you the opportunity to take some modules in other disciplines and in modern foreign languages as part of a 360-credit Honours degree. Thus it enables you to gain, and be able to demonstrate, a distinctive range of graduate attributes.

3. Overview of the Programme

Cosmetic science is a unique field which focuses on exciting new formulation developments in fast-moving consumer markets. As a student taking this course, you will develop an understanding of the underlying physical and biological sciences and learn how to apply them to the development, formulation, manufacture and marketing of cosmetic products whilst addressing the key contexts of sustainability and globalization.

The cosmetics industry is a huge, multi-national undertaking that is underpinned by world-leading expertise in the physical and physiological sciences. It sits within a framework of intense market research and is a highly competitive and fast-moving, highly regulated industry. It is also inter-linked, both in industrial providers and science base, with home and personal care products, consumer healthcare and some also some pharmaceutical products.

Underpinning this industry, despite perceptions which align it mostly with the end user, is a strong science base in formulation and skin science; more broadly this extends (based on legal definitions) to the topical / surface / superficial application of products for cosmetic purposes. This course covers the main aspects of cosmetic formulation development, manufacture, regulation and marketing, and explains how such pure and applied sciences fit into global business, legal and regulatory frameworks. This includes elements of regulatory approval and the role of the formulation scientist within the industry team that takes a new product from concept to market.

As part of the preparation to enter the global cosmetics industry, there will be an opportunity to pursue a language pathway throughout the programme. In the first year you can choose to take a language module in English (depending on fluency levels) or a modern foreign language for those fluent in English. This will ensure you have the opportunity to understand both a language and cultural issues of nations outside your home country. For modern languages (not English language modules) you may wish to pursue a pathway through the programme that will provide you with recognition of this on your degree certificate. There will be opportunities at years two and three of the programme, depending on entry level to your chosen language and availability, to take further credits of language learning on this programme. Depending on the level of language attainment you may have added to your degree certificate the additional recognition of having achieved "with competency in [Chosen Language]" or "with advanced competency in [Chosen Language]". For full details see here: <https://www.keele.ac.uk/study/languagecentre/modernlanguages/enhanceddegreetitles/>. You can also take language modules as non-credit extracurricular study throughout your programme - further details can be obtained from the Language Centre.

The principal aim of the programme is to develop knowledge and skills in a wide variety of disciplines by demonstrating the linkages between seemingly disparate topics in science and technology that underpin all subsequent learning, and which are central to the successful delivery of new medicines to global markets.

4. Aims of the programme

The aims of this programme are to equip students who successfully complete it to understand the multi-faceted nature of the cosmetics (and related) industries, and to apply their fundamental knowledge of science to real-world requirements, including understanding and addressing formulation challenges within the context of international regulatory and legal frameworks and the context of an industry that is increasingly focused on environmental sustainability.

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

- Develop the key scientific skill that, in an integrated context, underpin the development, manufacture, regulatory approval and marketing of cosmetic and related products
- Understand the structures and frameworks in which the cosmetic industry operates, both nationally and globally

5. 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 - (K)
- Subject specific skills - (S)
- Key or transferable skills (including employability skills) - (E)
- Intellectual skills - (I)

Subject knowledge and understanding (K)

Successful students will be able to:

- K1 - Understand the core principles of the cosmetic sciences as they are applied to the development,

- manufacture and marketing of cosmetic and related products;
- K2 - Appreciate and explore the core underpinning sciences related to the cosmetic sciences, such as chemistry, biological sciences, toxicology and formulation science;
- K3 - Appreciate the role of legislation in a range of territories in marketing safe and effective cosmetic products, supported by substantive claims;
- K4 - Describe key issues in supply chain management and apply them to the sustainable development of cosmetic products;
- K5 - Demonstrate a comprehensive understanding of the research in cosmetic science and apply this to emerging challenges in specific research areas;
- K6 - Communicate effectively the key scientific, marketing, safety and sustainable issues underpinning cosmetic product development.

Subject specific skills (S)

Successful students will be able to:

- S1 - Appreciate and explore the chemical, physical and biological sciences that underpin cosmetic science and that are required in order to understand the design and formulation of suitable cosmetic products and their interaction with consumers;
- S2 - Appreciate the nature of cosmetic product development, both in the laboratory and in the business environments, and to use this knowledge in the development of new strategies to develop new and novel formulations; this will be conducted in the context of the safety, legal and regulatory framework associated with cosmetic science formulation, development and marketing in a sustainable environment
- S3 - Appreciate and explain the key aspects of toxicology as they relate to the use of cosmetic products by consumers, including the role of product and ingredient testing and clinical evaluation of their safety and toxicity;
- S4 - Explain the key aspects of international regulatory and legislative requirements for cosmetic products and critically evaluate how these regulations sit in the context of product / ingredient claims and branding / advertising;
- S5 - Identify and describe the key issues in supply chain management, and interpret how this impacts on formulation design and market delivery, including the development of sustainable supply chains;
- S6 - Critically evaluate current research and advanced scholarship relevant to the chosen research area;
- S7 - Demonstrate a comprehensive understanding of research techniques and self-management skills in order to plan a programme of research at a professional level;
- S8 - Communicate effectively, verbally and in writing, the key scientific concepts and market strategies that underpin safe, effective and commercially viable development of cosmetic products in a wide range of territories

Key or transferable skills (including employability skills) (E)

Successful students will be able to:

- E1 - Appreciate and understand how the core chemical and biological sciences integrate to underpin the successful development of cosmetic and related products, a core skills base which is directly applicable to a number of other "fast-moving goods" industries (e.g. pharmaceuticals, home and personal care products, foods);
- E2 - Develop an open and questioning approach to ideas, demonstrating curiosity, independence of thought and the ability to appreciate a range of perspectives on the natural and social worlds, including constructively using feedback and evidence-informed decisions;
- E3 - Locate, evaluate and synthesise large amounts of frequently conflicting information, ideas and data in order to develop novel, safe and effective cosmetic products;
- E4 - Identify and manage appropriate resources to creatively solve problems, either individually or as a member of a team or professional group, using a range of different approaches and techniques, underpinned by evidence from research, and to determine which techniques are appropriate to apply to the development of novel, safe and effective cosmetic products;
- E5 - Appreciate the social, environmental and global implications of your studies and other activities, including recognition of ethical implications, sustainability of supply chains and their environments, across a range of territories;
- E6 - Communicate clearly and effectively in written and verbal forms for different purposes and to a variety of audiences.

Intellectual skills (I)

Successful students will be able to:

- I1 - Think independently and inventively by demonstrating understanding of recent advances in the area of practice.
- I2 - Construct complex arguments to assert positions and solve problems with original approaches.
- I3 - Critically consider aspects of contrasting theories in the area of practice and take intellectual risks.
- I4 - Gather and evaluate information, data, assumptions to make reasoned decisions and formulate innovative solutions.

Keele Graduate attributes

Engagement with this programme will enable you to develop your intellectual, personal and professional capabilities. At Keele, we call these our ten Graduate Attributes and they include independent thinking, synthesizing information, creative problem solving, communicating clearly, and appreciating the social, environmental and global implications of your studies and activities. Our educational programme and learning environment is designed to help you to become a well-rounded graduate who is capable of making a positive and valued contribution in a complex and rapidly changing world, whichever spheres of life you engage in after your studies are completed.

Further information about the Keele Graduate Attributes can be found here: <http://www.keele.ac.uk/journey/>

6. How is the programme taught?

Learning and teaching methods used on the programme vary according to the subject matter and level of the module. They include the following:

- Lectures, tutorials and workshops;
- Problem-solving sessions;
- Interactive and immersive 3D teaching in the Health Cinema;
- Laboratory work (individual and group exercises);
- The integrated 'synoptic' assessment. This is key component of our commitment to social learning which integrates the differing science subjects with the business (e.g. regulatory and legal) aspects of the programme to develop relevant products to consumers across diverse marketplaces.

The School of Pharmacy and Bioengineering's commitment to digital technologies has been embedded in all our programmes since they have been created. This includes teaching sessions delivered in the Health Cinema which utilise 3D technologies to enhance learning and the use of online methods of delivery (currently embedded using MS Teams and Panopto) for individual and group teaching sessions as well as embedding online technology in programme assessments. This diversity and flexibility in our approach to teaching and learning ensures that we can optimise the learning environment and tailor it to match expectations for all students, and that we can quickly respond to prevailing approaches when required.

Apart from these formal activities, as a student on this programme you are also provided with regular opportunities to talk through particular areas of difficulty, and any special learning needs they may have, with their Personal Tutors or module lecturers on a one-to-one basis.

These learning and teaching methods enable you to achieve the learning outcomes of the programme in a variety of ways. For example:

- The use of a wide range of assessment skills allow us to focus on different aspects of the challenges faced in cosmetic and related formulation development; for example, this might include the use of individual or group-based activities, oral presentation sessions or student-led workshops where decision making is both collective and led by students; research projects may also give you the ability to work on a major piece of novel research not only by themselves but in collaboration with students taking similar projects and within the setting of research groups with the School of Pharmacy and Bioengineering.
- In collaboration with Learning Science we have designed and implemented novel interactive laboratory worksheets which provide instant, bespoke feedback and are self-marking. This provides detailed, instant and specific personalised feedback. This system automatically recognises Keele's virtual learning environment, automatically updating your academic record.
- Embedded within these interactive worksheets are a number of fully interactive simulations which link to practical work, providing a strong template from which successful learning and assessment will result.

7. Teaching Staff

The staff who deliver this course are based predominately within the School of Pharmacy and Bioengineering and have expertise in the core aspects of the pharmaceutical and cosmetic sciences: pharmacology, physiology, medicinal and organic chemistry and formulation and toxicology. In addition, several members of the School's academic staff have previously worked in the pharmaceutical and cosmetics industries, and who are therefore able to frame their academic work within the context of their previous roles.

The BSc programme also makes significant use of expert external speakers who are, or have worked, in the cosmetics industry or related industries. This includes a range of business-focused roles and addresses with real world examples subjects as diverse as clinical development, marketing and branding of cosmetic products, the role of healthcare systems in the context of cosmetic product sales and regulatory affairs.

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.

8. 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 two 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;

A summary of the credit requirements per year is as follows, with a minimum of 90 subject credits (compulsory plus optional) required for each year.

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

Year	Compulsory	Optional		Electives	
		Min	Max	Min	Max
Level 4	105	0	15	0	15
Level 5	90	15	30	0	15
Level 6	90	15	30	0	15

Students must take 120 credits of learning. At Level 4 105 credits of learning is core and will be taken by all students. The remaining 15 credits can be taken from the optional or elective modules listed in this document.

Module Lists

Level 4

Students will take 105 credits of compulsory modules, PHA-10028, PHA-10030, PHA-10032 and PHA-10038.

PHA-10028 and PHA-10030 are shared with the BSc Pharmaceutical Science (with Business) and with the BSc in Cell and Tissue Engineering; PHA-10032 is shared with the BSc Pharmaceutical Science (with Business) and focuses on introducing the core pharmaceutical sciences to students.

Students will therefore take 15 credits of optional or elective modules. Students will have four optional or elective pathways to select from:

1. Global Challenge Pathway (elective)
2. A module from those available from the Language Centre (option)
3. A module from those available from the Business School (option)
4. PHA-10036 Introduction to Formulation Science (option)

All optional module selections are subject to availability and compatibility with the School of Pharmacy & Bioengineering timetable for compulsory modules.

Further details of these pathways can be found below.

Compulsory modules	Module Code	Credits	Period
Introduction to Cosmetic Science	PHA-10038	15	Semester 1
Human Anatomy and Physiology	PHA-10028	30	Semester 1-2
Biochemistry & Cell Biology	PHA-10030	30	Semester 1-2
Introduction to Pharmaceutical Science	PHA-10032	30	Semester 1-2

Optional modules	Module Code	Credits	Period
Management in Context	MAN-10018	15	Semester 1
Marketing Principles	MAN-10019	15	Semester 1
Global Business Environment	MAN-10022	15	Semester 1
Introduction to International Business	MAN-10023	15	Semester 2
Multinational Enterprise Business Perspectives	MAN-10026	15	Semester 2
Introduction to Formulation Science	PHA-10036	15	Semester 2

Additional information on optional and elective modules.

Optional modules: Languages and English for Academic Purposes

A module from those available from the Language Centre (one or two 15-credit modules, and when two such modules are selected this means that normally one module is taken in each semester and are consecutive and ascending in number):

Semester One modules: BSL-90001/3, CHI-90001/3/5, FRE-90001/3/5/7/9, GER-90001/3/5/7/9, JAP-90001/3/5, RUS-90001/3/5, SPN-90001/3/5/7/9

Semester Two modules: BSL-90002/4, CHI-90002/4/6, FRE-90002/4/6/8/10, GER-90002/4/6/8/10, JAP-90002/4/6, RUS-90002/4/6, SPN-90002/4/6/8/10

Please also note that the programme specification notes that the above language modules can be replaced for students whose first language is not English and who require suitable English language support. In those cases those students can be enrolled onto:

ENL-90001 English for Academic Purposes 3 (EAP 3), ENL-90002 English for Academic Purposes 4 (EAP 4), ENL-90003 English for Academic Purposes 2 (EAP 2) or ENL-90013 Academic English for Science Students

If any of these modules are required they are allocated following consultation between the student and the Language Centre.

All modules are subject to change and availability. The level allocated to students will be determined by the Language Centre following an assessment of language ability.

Students on this programme will also be able to study language modules offered by the Language Centre, either as part of a Global Challenge Pathway or as optional modules, and may be able to achieve an enhanced degree title with the designation 'With (advanced) Competency in [language]', depending on the level of language attainment they achieve at Keele. For full details of how language modules can be accommodated within your programme of study,

click <https://www.keele.ac.uk/study/languagecentre/modernlanguages/enhanceddegreetitles/>

Students who are required to take an English for Academic Purposes (EAP) module as a result of their language competency test result will be required to pick this as their first option choice. *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 module in the same academic year.

Elective modules:

Global Challenge Pathways (GCPs) - Level 4 (year 1) students only

Students at Level 4 in 2022/23 have the option of taking a Global Challenge Pathway, which includes one 15-credit module in each year of the degree. 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.

<p>Digital Futures</p>	<p>The Digital Futures pathway offers you the opportunity to become an active contributor to 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.</p> <p>Part of a diverse and interdisciplinary pathway community, you will engage in exciting, impactful collaborative project work in innovative formats. Engaged in real-world scenarios, you will use digital technology and creativity to promote inclusive, empowering, and sustainable change at local and global levels.</p> <p>Module: A digital life: challenges and opportunities (GCP-10005)</p>
<p>Climate Change & Sustainability</p>	<p>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.</p> <p>You will work with international partners to explore climate change and sustainability in different international contexts; lead your own projects to drive real change in your communities; and be part of educating others to help achieve a more sustainable future.</p> <p>Module: Climate Change & Sustainable Futures: Global Perspectives (GCP-10009)</p>
<p>Social Justice</p>	<p>Students on this pathway will embark on a reflective journey drawing upon decolonising, feminist, and ethical perspectives on social justice, forging transformative outputs as agents of change.</p> <p>You will enter a dialogue with local, national, and international partners from Universities, NGOs, International Human Rights Committees. You will engage with key societal challenges, for example Covid 19 as a social crisis with impact on gender and racial identities. 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.</p> <p>Module: Reflections on Social Injustices, Past and Present (GCP-10003)</p>
<p>Enterprise & the Future of Work</p>	<p>If we are to achieve the promise of Sustainable Development Goals, solve the climate crisis and take advantage of the changes that the digital revolution provide, we need to understand the power of enterprise and prepare for future contexts of work, creativity and disruption.</p> <p>Supporting you to be part of future-facing solutions, this pathway will give you the ability to make judgements on the utilisation of resources, labour and capital. It 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.</p> <p>Module: Enterprise and the Future of Work 1 (GCP-10007)</p>

<p>Global Health Challenges</p>	<p>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.</p> <p>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.</p> <p>Module: Key concepts and challenges in global health (GCP-10001)</p>
<p>Languages & Intercultural Awareness</p>	<p>By choosing modules from this pathway, will develop a practical knowledge of a specific language, allowing you to graduate with an enhanced degree title, or develop skills to teach English as a Foreign Language. You will meet and communicate with speakers different linguistic and cultural communities, ranging from students at partner universities in Japan and China, to refugees in Hanley, and develop an understanding of how languages and cultures interact.</p> <p>This pathway explores the power of language as a force both for breaking down and building cultural and political barriers - words can be weapons as well as bridges. You will examine how language is used, examine linguistic choices and how these impact on intercultural understanding. Throughout the pathway we also examine the practice of communication across cultural contexts, exploring cultural differences such as the language of ethnicity and gender.</p> <p>Modules: you will be able to select from either a Modern Language of your choice OR Certificate in TESOL Level 1.</p>

Level 5

Students will take 90 credits of compulsory modules: PHA-20030, PHA-20032 and PHA-20034.

Students will therefore also take either:

- (a) up to 30 credits of optional modules, or
- (b) 15 credits of elective modules and 15 credits of optional modules.

Students will have three **optional** pathways which they may select from:

1. A module from those available from the **Language Centre** (one or two 15-credit modules, and when two such modules are selected this means that normally one module is taken in each semester and are consecutive and ascending in number):

Semester One modules: BSL-90001/3, CHI-90001/3/5, FRE-90001/3/5/7/9, GER-90001/3/5/7/9, JAP-90001/3/5, RUS-90001/3/5, SPN-90001/3/5/7/9

Semester Two modules: BSL-90002/4, CHI-90002/4/6, FRE-90002/4/6/8/10, GER-90002/4/6/8/10, JAP-90002/4/6, RUS-90002/4/6, SPN-90002/4/6/8/10

Please also note that the programme specification notes that the above language modules can be replaced for students whose first language is not English and who require suitable English language support. In those cases those students can be enrolled onto:

ENL-90001 English for Academic Purposes 3 (EAP 3), ENL-90002 English for Academic Purposes 4 (EAP 4), ENL-90003 English for Academic Purposes 2 (EAP 2) or ENL-90013 Academic English for Science Students

If any of these modules are required they are allocated following consultation between the student and the Language Centre.

All modules are subject to change and availability. The level allocated to student will be determined by the Language Centre following an assessment of language ability.

2. Two modules from those available from the **Business School** (one, 15-credit module).

3. One 15-credit module from the Language Centre and one 15-credit module from the Keele Business School.

All optional module selections are subject to availability and compatibility with the School of Pharmacy & Bioengineering timetable for compulsory modules.

Students will be encouraged to take one optional module in each semester but it is appreciated that this might not always be possible. Where two or more optional modules are selected in the same academic year the availability of modules will depend on the exact choice made in order to avoid overlap.

Students will have one **elective** pathway which they may select from:

1. The **Global Challenge Pathway**

(module details to follow ahead of 2023/24)

Compulsory modules	Module Code	Credits	Period
Fundamental Formulation Science (Cosmetic Science)	PHA-20032	30	Semester 1
Cosmetic Product Quality Assurance and Quality Control	PHA-20030	30	Semester 1-2
Applied Formulation Science (Cosmetic Science)	PHA-20034	30	Semester 2

Optional modules	Module Code	Credits	Period
Organisational Behaviour	MAN-20055	15	Semester 1
Operations and Quality Management	MAN-20053	15	Semester 2

Level 6

Students will take 90 credits of compulsory modules.

PHA-30045 Cosmetic Claims (15 credits)

PHA-30047 Cosmetic Science Research Project (30 credits)

PHA-30049 Sustainability And Supply Chain Management In The Cosmetics Industry (15 credits)

PHA-30051 Regulatory Toxicology And Pharmacology (15 credits)

PHA-30053 Advanced Formulation Science (Cosmetic Science) (15 credits)

Students will therefore also take either:

(a) up to 30 credits of optional modules, or

(b) 15 credits of elective modules and 15 credits of optional modules.

Students will have three **optional** pathways which they may select from:

1. **Two 15-credit modules from those available from the Language Centre** (two 15-credit modules, and when two such modules are selected this means that normally one module is taken in each semester and are consecutive and ascending in number):

Semester One modules: BSL-90003, CHI-90003/5, FRE-90003/5/7/9, GER-90003/5/7/9, JAP-90003/5, RUS-90003/5, SPN-90003/5/7/9

Semester Two modules: BSL-90004, CHI-90004/6, FRE-90004/6/8/10, GER-90004/6/8/10, JAP-90004/6, RUS-90004/6, SPN-90004/6/8/10

(The above list is indicative only and reflects current options available at the time of writing; this list may

change and modules may be added to, or removed from, this list).

2. **One 15-credit modules from those available from the Language Centre** (see module details in 1, above) **AND PHA-30017.**

3. **PHA-30019 Current Topics In Pharmaceutical Sciences** (30 credits)

Students will have one **elective** pathway which they may select from:

1. The **Global Challenge Pathway**

(module details to follow ahead of 2024/25)

Compulsory modules	Module Code	Credits	Period
Sustainability And Supply Chain Management In The Cosmetics Industry	PHA-30049	15	Semester 1
Regulatory Pharmacology and Toxicology (Cosmetics)	PHA-30051	15	Semester 1
Cosmetic Science Research Project	PHA-30047	30	Semester 1-2
Advanced Formulation Science (Cosmetic Science)	PHA-30053	15	Semester 1-2
Cosmetic Claims	PHA-30045	15	Semester 2

Optional modules	Module Code	Credits	Period
Current Developments in Pharmaceutical Science II	PHA-30017	15	Semester 1-2
Current Developments in Pharmaceutical Science	PHA-30019	30	Semester 1-2

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

Subject Knowledge and Understanding	
Learning Outcome	Module in which this is delivered
K1 - Understand the core principles of the cosmetic sciences as they are applied to the development, manufacture and marketing of cosmetic and related products	Introduction to Cosmetic Science - PHA-10038
K2 - Appreciate and explore the core underpinning sciences related to the cosmetic sciences, such as chemistry, biological sciences, toxicology and formulation science	Biochemistry & Cell Biology - PHA-10030 Human Anatomy and Physiology - PHA-10028 Introduction to Pharmaceutical Science - PHA-10032
K3 - Appreciate the role of legislation in a range of territories in marketing safe and effective cosmetic products, supported by substantive claims	Introduction to Cosmetic Science - PHA-10038

Subject Specific Skills	
Learning Outcome	Module in which this is delivered
S1 - Appreciate and explore the chemical, physical and biological sciences that underpin cosmetic science and that are required in order to understand the design and formulation of suitable cosmetic products and their interaction with consumers	Biochemistry & Cell Biology - PHA-10030 Introduction to Cosmetic Science - PHA-10038 Introduction to Pharmaceutical Science - PHA-10032 Human Anatomy and Physiology - PHA-10028
S2 - Appreciate the nature of cosmetic product development, both in the laboratory and in the business environments, and to use this knowledge in the development of new strategies to develop new and novel formulations; this will be conducted in the context of the safety, legal and regulatory framework associated with cosmetic science formulation, development and marketing in a sustainable environment	Introduction to Cosmetic Science - PHA-10038
S4 - Explain the key aspects of international regulatory and legislative requirements for cosmetic products and critically evaluate how these regulations sit in the context of product / ingredient claims and branding / advertising	Introduction to Cosmetic Science - PHA-10038

Intellectual skills	
Learning Outcome	Module in which this is delivered
I1 - Think independently and inventively by demonstrating understanding of recent advances in the area of practice	Introduction to Cosmetic Science - PHA-10038 Biochemistry & Cell Biology - PHA-10030 Introduction to Pharmaceutical Science - PHA-10032 Human Anatomy and Physiology - PHA-10028
I2 - Construct complex arguments to assert positions and solve problems with original approaches	Introduction to Cosmetic Science - PHA-10038 Biochemistry & Cell Biology - PHA-10030 Human Anatomy and Physiology - PHA-10028 Introduction to Pharmaceutical Science - PHA-10032
I3 - Critically consider aspects of contrasting theories in the area of practice and take intellectual risks	Human Anatomy and Physiology - PHA-10028 Biochemistry & Cell Biology - PHA-10030 Introduction to Cosmetic Science - PHA-10038 Introduction to Pharmaceutical Science - PHA-10032
I4 - Gather and evaluate information, data, assumptions to make reasoned decisions and formulate innovative solution	Introduction to Cosmetic Science - PHA-10038

Key or Transferable Skills (graduate attributes)	
Learning Outcome	Module in which this is delivered
E1 - Appreciate and understand how the core chemical and biological sciences integrate to underpin the successful development of cosmetic and related products, a core skills base which is directly applicable to a number of other "fast-moving goods" industries (e.g. pharmaceuticals, home and personal care products, foods)	Introduction to Pharmaceutical Science - PHA-10032 Introduction to Cosmetic Science - PHA-10038 Human Anatomy and Physiology - PHA-10028 Biochemistry & Cell Biology - PHA-10030
E2 - Develop an open and questioning approach to ideas, demonstrating curiosity, independence of thought and the ability to appreciate a range of perspectives on the natural and social worlds, including constructively using feedback and evidence-informed decisions	Introduction to Pharmaceutical Science - PHA-10032 Biochemistry & Cell Biology - PHA-10030 Human Anatomy and Physiology - PHA-10028 Introduction to Cosmetic Science - PHA-10038
E3 - Locate, evaluate and synthesise large amounts of frequently conflicting information, ideas and data in order to develop novel, safe and effective cosmetic products	Introduction to Pharmaceutical Science - PHA-10032 Introduction to Cosmetic Science - PHA-10038 Human Anatomy and Physiology - PHA-10028 Biochemistry & Cell Biology - PHA-10030
E5 - Appreciate the social, environmental and global implications of your studies and other activities, including recognition of ethical implications, sustainability of supply chains and their environments, across a range of territories	Introduction to Cosmetic Science - PHA-10038

Level 5

Subject Knowledge and Understanding	
Learning Outcome	Module in which this is delivered
K1 - Understand the core principles of the cosmetic sciences as they are applied to the development, manufacture and marketing of cosmetic and related products development and product marketing	Applied Formulation Science (Cosmetic Science) - PHA-20034 Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Fundamental Formulation Science (Cosmetic Science) - PHA-20032
K2 - Appreciate and explore the core underpinning sciences related to the cosmetic sciences, such as chemistry, biological sciences, toxicology and formulation science	Fundamental Formulation Science (Cosmetic Science) - PHA-20032
K3 - Appreciate the role of legislation in a range of territories in marketing safe and effective cosmetic products, supported by substantive claims	Cosmetic Product Quality Assurance and Quality Control - PHA-20030
K6 - Communicate effectively the key scientific, marketing, safety and sustainable issues underpinning cosmetic product development	Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Applied Formulation Science (Cosmetic Science) - PHA-20034 Fundamental Formulation Science (Cosmetic Science) - PHA-20032

Subject Specific Skills	
Learning Outcome	Module in which this is delivered
S1 - Appreciate and explore the chemical, physical and biological sciences that underpin cosmetic science and that are required in order to understand the design and formulation of suitable cosmetic products and their interaction with consumers	Fundamental Formulation Science (Cosmetic Science) - PHA-20032 Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Applied Formulation Science (Cosmetic Science) - PHA-20034
S2 - Appreciate the nature of cosmetic product development, both in the laboratory and in the business environments, and to use this knowledge in the development of new strategies to develop new and novel formulations; this will be conducted in the context of the safety, legal and regulatory framework associated with cosmetic science formulation, development and marketing in a sustainable environment	Applied Formulation Science (Cosmetic Science) - PHA-20034 Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Fundamental Formulation Science (Cosmetic Science) - PHA-20032
S3 - Appreciate and explain the key aspects of toxicology as they relate to the use of cosmetic products by consumers, including the role of product and ingredient testing and clinical evaluation of their safety and toxicity	Cosmetic Product Quality Assurance and Quality Control - PHA-20030
S4 - Explain the key aspects of international regulatory and legislative requirements for cosmetic products and critically evaluate how these regulations sit in the context of product / ingredient claims and branding / advertising	Cosmetic Product Quality Assurance and Quality Control - PHA-20030
S5 - Identify and describe the key issues in supply chain management, and interpret how this impacts on formulation design and market delivery, including the development of sustainable supply chains	Applied Formulation Science (Cosmetic Science) - PHA-20034
S6 - Communicate effectively the key scientific, marketing, safety and sustainable issues underpinning cosmetic product development	Applied Formulation Science (Cosmetic Science) - PHA-20034 Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Fundamental Formulation Science (Cosmetic Science) - PHA-20032
S8 - Communicate effectively, verbally and in writing, the key scientific concepts and market strategies that underpin safe, effective and commercially viable development of cosmetic products in a wide range of territories	Cosmetic Product Quality Assurance and Quality Control - PHA-20030

Intellectual skills	
Learning Outcome	Module in which this is delivered
I1 - Think independently and inventively by demonstrating understanding of recent advances in the area of practice	Applied Formulation Science (Cosmetic Science) - PHA-20034 Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Fundamental Formulation Science (Cosmetic Science) - PHA-20032
I2 - Construct complex arguments to assert positions and solve problems with original approaches	Applied Formulation Science (Cosmetic Science) - PHA-20034
I3 - Critically consider aspects of contrasting theories in the area of practice and take intellectual risks	Applied Formulation Science (Cosmetic Science) - PHA-20034
I4 - Gather and evaluate information, data, assumptions to make reasoned decisions and formulate innovative solutions	Fundamental Formulation Science (Cosmetic Science) - PHA-20032 Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Applied Formulation Science (Cosmetic Science) - PHA-20034

Key or Transferable Skills (graduate attributes)	
Learning Outcome	Module in which this is delivered
E1 - Appreciate and understand how the core chemical and biological sciences integrate to underpin the successful development of cosmetic and related products, a core skills base which is directly applicable to a number of other "fast-moving goods" industries (e.g. pharmaceuticals, home and personal care products, foods)	Applied Formulation Science (Cosmetic Science) - PHA-20034 Fundamental Formulation Science (Cosmetic Science) - PHA-20032
E2 - Develop an open and questioning approach to ideas, demonstrating curiosity, independence of thought and the ability to appreciate a range of perspectives on the natural and social worlds, including constructively using feedback and evidence-informed decisions	Applied Formulation Science (Cosmetic Science) - PHA-20034
E3 - Locate, evaluate and synthesise large amounts of frequently conflicting information, ideas and data in order to develop novel, safe and effective cosmetic products	Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Applied Formulation Science (Cosmetic Science) - PHA-20034 Fundamental Formulation Science (Cosmetic Science) - PHA-20032
E4 - Identify and manage appropriate resources to creatively solve problems, either individually or as a member of a team or professional group, using a range of different approaches and techniques, underpinned by evidence from research, and to determine which techniques are appropriate to apply to the development of novel, safe and effective cosmetic products	Applied Formulation Science (Cosmetic Science) - PHA-20034 Cosmetic Product Quality Assurance and Quality Control - PHA-20030
E5 - Communicate clearly and effectively in written and verbal forms for different purposes and to a variety of audience	Cosmetic Product Quality Assurance and Quality Control - PHA-20030 Applied Formulation Science (Cosmetic Science) - PHA-20034 Fundamental Formulation Science (Cosmetic Science) - PHA-20032

Level 6

Subject Knowledge and Understanding	
Learning Outcome	Module in which this is delivered
K1 - Understand the core principles of the cosmetic sciences as they are applied to the development, manufacture and marketing of cosmetic and related products	Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Cosmetic Science Research Project - PHA-30047 Advanced Formulation Science (Cosmetic Science) - PHA-30053
K3 - Appreciate the role of legislation in a range of territories in marketing safe and effective cosmetic products, supported by substantive claims	Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Cosmetic Claims - PHA-30045
K4 - Describe key issues in supply chain management and apply them to the sustainable development of cosmetic products	Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051
K5 - Demonstrate a comprehensive understanding of the research in cosmetic science and apply this to emerging challenges in specific research areas	Advanced Formulation Science (Cosmetic Science) - PHA-30053 Cosmetic Science Research Project - PHA-30047
K6 - Communicate effectively the key scientific, marketing, safety and sustainable issues underpinning cosmetic product development	Cosmetic Claims - PHA-30045 Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051

Subject Specific Skills	
Learning Outcome	Module in which this is delivered
S1 - Appreciate and explore the chemical, physical and biological sciences that underpin cosmetic science and that are required in order to understand the design and formulation of suitable cosmetic products and their interaction with consumers	Cosmetic Science Research Project - PHA-30047 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Cosmetic Claims - PHA-30045 Advanced Formulation Science (Cosmetic Science) - PHA-30053
S2 - Appreciate the nature of cosmetic product development, both in the laboratory and in the business environments, and to use this knowledge in the development of new strategies to develop new and novel formulations; this will be conducted in the context of the safety, legal and regulatory framework associated with cosmetic science formulation, development and marketing in a sustainable environment	Advanced Formulation Science (Cosmetic Science) - PHA-30053 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Cosmetic Claims - PHA-30045
S3 - Appreciate and explain the key aspects of toxicology as they relate to the use of cosmetic products by consumers, including the role of product and ingredient testing and clinical evaluation of their safety and toxicity	Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Cosmetic Claims - PHA-30045
S4 - Explain the key aspects of international regulatory and legislative requirements for cosmetic products and critically evaluate how these regulations sit in the context of product / ingredient claims and branding / advertising	Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Cosmetic Claims - PHA-30045 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051
S5 - Identify and describe the key issues in supply chain management, and interpret how this impacts on formulation design and market delivery, including the development of sustainable supply chains	Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Advanced Formulation Science (Cosmetic Science) - PHA-30053
S6 - Critically evaluate current research and advanced scholarship relevant to the chosen research area	Cosmetic Science Research Project - PHA-30047 Advanced Formulation Science (Cosmetic Science) - PHA-30053
S7 - Demonstrate a comprehensive understanding of research techniques and self-management skills in order to plan a programme of research at a professional level	Cosmetic Science Research Project - PHA-30047
S8 - Communicate effectively, verbally and in writing, the key scientific concepts and market strategies that underpin safe, effective and commercially viable development of cosmetic products in a wide range of territories	Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Cosmetic Claims - PHA-30045

Intellectual skills	
Learning Outcome	Module in which this is delivered
I1 - Think independently and inventively by demonstrating understanding of recent advances in the area of practice	Advanced Formulation Science (Cosmetic Science) - PHA-30053 Cosmetic Science Research Project - PHA-30047
I2 - Construct complex arguments to assert positions and solve problems with original approaches	Cosmetic Claims - PHA-30045 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Cosmetic Science Research Project - PHA-30047
I3 - Critically consider aspects of contrasting theories in the area of practice and take intellectual risks	Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Cosmetic Science Research Project - PHA-30047 Cosmetic Claims - PHA-30045
I4 - Gather and evaluate information, data, assumptions to make reasoned decisions and formulate innovative solutions	Cosmetic Claims - PHA-30045 Cosmetic Science Research Project - PHA-30047 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049

Key or Transferable Skills (graduate attributes)	
Learning Outcome	Module in which this is delivered
E1 - Appreciate and understand how the core chemical and biological sciences integrate to underpin the successful development of cosmetic and related products, a core skills base which is directly applicable to a number of other "fast-moving goods" industries (e.g. pharmaceuticals, home and personal care products, foods)	Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Cosmetic Science Research Project - PHA-30047 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Advanced Formulation Science (Cosmetic Science) - PHA-30053
E2 - Develop an open and questioning approach to ideas, demonstrating curiosity, independence of thought and the ability to appreciate a range of perspectives on the natural and social worlds, including constructively using feedback and evidence-informed decisions	Cosmetic Science Research Project - PHA-30047 Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051
E3 - Locate, evaluate and synthesise large amounts of frequently conflicting information, ideas and data in order to develop novel, safe and effective cosmetic products	Cosmetic Science Research Project - PHA-30047 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049
E4 - Identify and manage appropriate resources to creatively solve problems, either individually or as a member of a team or professional group, using a range of different approaches and techniques, underpinned by evidence from research, and to determine which techniques are appropriate to apply to the development of novel, safe and effective cosmetic products	Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Cosmetic Claims - PHA-30045 Advanced Formulation Science (Cosmetic Science) - PHA-30053 Cosmetic Science Research Project - PHA-30047
E5 - Appreciate the social, environmental and global implications of your studies and other activities, including recognition of ethical implications, sustainability of supply chains and their environments, across a range of territories	Sustainability And Supply Chain Management In The Cosmetics Industry - PHA-30049 Cosmetic Claims - PHA-30045 Regulatory Pharmacology and Toxicology (Cosmetics) - PHA-30051
E6 - Communicate clearly and effectively in written and verbal forms for different purposes and to a variety of audiences	Cosmetic Science Research Project - PHA-30047 Cosmetic Claims - PHA-30045

9. Final and intermediate awards

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

Honours Degree	360 credits	<p>You will require at least 120 credits at levels 4, 5 and 6</p> <p>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.</p> <p>In addition, students whose credits include 45 credits for modules provided by The Language Centre can, depending on the CEFR-level of those modules, be additionally awarded the notation on their degree certificate of "with competency" or "with advanced competency" in their chosen language.</p>
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

10. How is the Programme Assessed?

The wide variety of assessment methods used on this programme at Keele reflects the broad range of knowledge and skills that are developed as you progress through the degree programme. Teaching staff pay particular attention to specifying clear assessment criteria and providing timely, regular and constructive feedback that helps to clarify things you did not understand and helps you to improve your performance. The following list is representative of the variety of assessment methods used on your programme:

- The assessments used in this programme reflect a wide range of academic practice and are also designed to be relevant to the needs of the industry. For example, the synoptic assessment collates and integrates learning across science and business in a social context at Level Five of the programme, whilst the use of batch record sheets in laboratory sessions reflect practice in industry (pharmaceutical and otherwise). The main modes of assessment are examinations (essay-based, short-answer questions and multiple choice questions), laboratory practical exercises (with associated report-writing and documentation completion, as well as physical sample preparation and analysis), workshops (including pharmaceutical calculations), group and individual presentations and synoptic exercises.

Marks are awarded for summative assessments designed to assess your achievement of learning outcomes. You will also have the opportunity to take formative assessments, which will 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 - normally 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.

At all levels (4-6), Low Stakes Assessments (LSAs) have been introduced to aid your engagement with the course. These contribute to a range of assessments at all levels.

11. 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, each individual undertaking this programme 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 you 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)	33%	67%	0%
Year 2 (Level 5)	29%	71%	0%
Year 3 (Level 6)	29%	71%	0%

12. Accreditation

This programme is not currently accredited by an external body. We are seeking to begin the process of applying for accreditation for this programme in the upcoming academic year.

13. 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/>

14. 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 Science Foundation Year (SFY) programme. Progression from the SFY to the first year of the BSc programme requires you to achieve a minimum of 60% overall and in each module studied.

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 7.0 overall, with a minimum of 6.5 in each sub-component, 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.

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:

<http://www.keele.ac.uk/qa/accreditationofpriorlearning/>

15. How are students supported on the programme?

Keele Online Learning Environment

When you enrol on the course will be assigned a username and password that provides access to the main University network, email and the Internet. Keele Learning Environment (KLE) - The KLE is used by Keele to provide every student and member of staff with a personal teaching and learning workspace that can be accessed through the internet. This is where you will find all the teaching materials that are associated with the course, including the online recordings made via Panopto, which is embedded in each module for your programme in the KLE. You will also find copies of all the BSc Pharmaceutical Science (Cosmetics) guidance documents and a section where you can access careers support information, as well as the teaching materials for the BSc course.

You should regularly access the KLE, ideally on a daily basis, since it provides the most accurate and up-to-

date information with regard to your course. Online help for the KLE can be found here: <http://www.keele.ac.uk/klehelp>. New students will be provided with log-in details and an introductory session on the use of the KLE soon after registration.

The online environment also includes the integrated Microsoft Office suite, which includes email and Teams. MS Teams is extensively used for meetings and teaching, allowing lectures to be recorded for future reference.

Communication with Students

The School of Pharmacy and Bioengineering and other University services will contact you intermittently with important information related to your studies. The primary channel for communication will be your Keele email address. It is expected that you will check your Keele email regularly, and you are responsible for reading University emails and taking action if appropriate. The secondary channel for communication is through the post so please ensure that you keep your address details up-to-date on SCIMS. This information may include details of assessments and notification of changes to teaching sessions. The School of Pharmacy and Bioengineering will not send information to any personal email addresses.

Sources of help and advice

You will find that all staff associated with the School of Pharmacy and Bioengineering - for both the MPharm and BSc programmes - are friendly and approachable, and you should not feel worried or inhibited about going to see them at any time. Please do not hesitate to contact your Personal Tutor, your Year Tutor, the Director of Education for the BSc or MPharm or, if you prefer, any other member of staff if you require help or advice on any matter that affects your academic progress or any other aspect of your life at Keele.

Personal tutors

Your Personal Tutor is a first point of contact for general guidance on academic and career development and, in consultation with yourself, may refer you to specialist academic support services within the University. Your Personal Tutor can also provide advice, support and general guidance on non-academic issues or, again, in consultation with yourself refer you to pastoral support services within the University, where necessary. Your Personal Tutor will be a member of staff associated with the School of Pharmacy and Bioengineering.

It is important that you inform your personal tutor or the year / module tutor of any circumstances, medical or otherwise, that may affect your academic work.

Your Personal Tutor may have particular office hours or you may have to arrange an appointment; you should contact your Personal Tutor by telephone or email if you wish to discuss a particular issue but do not hesitate to approach your Tutor immediately if there is a problem that you wish to discuss urgently. If you cannot contact your Personal Tutor, you may contact the Senior Tutor, who oversees the personal tutoring system for the School of Pharmacy and Bioengineering, or the Programme Director, who oversees academic matters on the programme. You can find the University's Code of Practice for Personal Tutoring at:

<https://www.keele.ac.uk/policyzone/viewbyowner/studentandacademicservices/name.157128.en.php>

Reference requests

You should always give the name and contact details of your Personal Tutor if you are asked to provide a contact for references when applying for jobs. It is courteous always to let your tutor know each time that you give their contact details to someone, so that they are aware that they may be approached.

Your first point of contact should always be your Personal Tutor, but you may also approach other members of the academic staff to write a reference for you but only if more than one academic reference is required. In these circumstances you must ask the permission of that person in advance. In addition to being a professional courtesy, this is to ensure that staff members are aware that they may be approached by employers.

Your tutor or other referees will ensure that it is as accurate as possible and will familiarise themselves with both your academic performance and the levels of application and professionalism that you have demonstrated during your time on the course. Please note that if your attendance record is poor or if you have been found guilty of academic misconduct or unprofessional behaviour then this may be reflected in your reference, and hence may jeopardise your chance of success with your application. You should note that nowadays employers routinely ask whether you have been subject to disciplinary investigations.

Progress interviews with your personal tutor

If you are new to the programme you will be introduced to your Personal Tutor in your second week.

You will meet regularly with Personal Tutors throughout their time at Keele. There will be reminders in your

timetable when the meetings are due throughout the year. The meetings are to give feedback on your academic progress, and to give you the opportunity to raise any matters of concern.

Meetings with your Tutor are treated in confidence. A note of the meeting will be kept on your personal record but access to this is limited. If it is necessary to keep details of sensitive information, such as medical conditions relating to missed assessments, then access to this type of information is strictly limited.

Additional help and Guidance

Additional information relating to student welfare and support can be found through:

Advice and Support at Keele - ASK

Located on the ground floor of KeeleSU (the Students' Union), ASK delivers independent advice on a whole range of issues, including academic, health, family, wellbeing, accommodation, finance, legal, international and employment. The advice and support that ASK offers is free, confidential, non-judgmental and impartial. Located within the School, our trained Student Experience and Support Officers are here to help, just ASK. For more information, please visit www.keelesu.com/advice or come and see us between Mon-Fri 10.00am to 12.30pm and 1.00pm to 4.00pm.

16. Learning Resources

The University Library

The University Library's mission is to provide effective access to all forms of academic information in support of the University's teaching, learning and research. We have two Library sites, the main Campus Library and the Health Library at the Royal Stoke Hospital. We offer over 1,100 study spaces and extensive opening hours - the Campus Library is open 24/7 during semester and the Health Library seven days a week all year (except bank holidays). You can work in a variety of study environments, ranging from group to silent study, and can also book rooms for either purpose. There's also a refreshment area in the Campus Library, and Wi-Fi access is available on both our sites. Our academic collections are provided both online and in print. We subscribe to around 20,000 e-journals, 300,000 e-books and have over 600,000 items on our shelves. You can access many reading lists online, and our "Catalogue Plus" service can be used to find relevant information both in print and online via a single easy-to-use web catalogue. Books can normally be borrowed for two weeks, one week or one day, depending on demand for the title. You can get help from our staff at the Library's InfoPoint, and throughout the year. Liaison Librarians provide an extensive range of training tailored to help you with their research and information skills. Find out more about our services from our website: <http://www.keele.ac.uk/library/>. Accessing e-journals off campus - Access to Keele's e-resources is through your Keele username and password. When you reach the journal home page look out for a link called "institutional log-in" or "Shibboleth log-in", select the UK Federation and then Keele University and log in using your IT Account username and password (the log-in you use to access the Campus network) when you reach the usual yellow Keele log-in screen. Visit <http://www.keele.ac.uk/library/support/access/> for more information, including our Off-campus Access Step by Step guide and a series of short you-tube videos to assist with off-campus log-ins to each individual publisher.

Please note that past examination papers from the BSc Pharmaceutical Science (Cosmetics) programme are currently not made available via the library, or from any other source. While it is important that you are familiar with the format of exams and assessments, when it comes to passing it is much more important that you understand the material that you have learned in the module. Sample questions and / or sample exam papers will be made available via the KLE where appropriate to ensure that you are familiar with the style of questions used in any given exam paper. If you have any comments concerning the provision of materials in the University Library you should ask your representative on the SSVC to raise the matter at a BSc Pharmaceutical Science (Cosmetics) Course Committee meeting.

Photocopiers for student use are available in the University Library.

IT Services

IT Services are responsible for your IT systems and networks throughout the University. The services include the wireless network, printing service, IT Suite and Labs, Laptop Loan and Laptop repair service. They provide help and advice on using Keele Systems such as the Keele Learning Environment, eVision, Office software or Google Mail and apps and advice when connecting to the wireless network (eduroam).

The IT Service Desk is the first point of call for anything IT related. It is based in the Campus Library and IT Services building and is open 7 days per week throughout the Semester. For further information regarding IT Services, or to report a problem or seek advice please visit www.keele.ac.uk/it.

Within the School of Pharmacy and Bioengineering there is a team of IT technicians who are responsible for the day-to-day IT needs of the School, including network issues and more specialised software used by the School. They can be contacted at it.service@keele.ac.uk

Remember when using Keele University IT systems that you are bound by the IT Conditions of Use, a link which can be found at: www.keele.ac.uk/it. It is important that you familiarise yourself with these to ensure that you use the systems within the terms of the Acceptable Use Policy.

Keep yourself safe whilst online:

- Make sure that before connecting to the network your antivirus, web browser and operating system are all up to date.
- Protect your personal information. Secure your account by changing your password to something that is memorable but secure, a combination of capital and lowercase letter.
- Ensure that your online presence, particularly in social media, has the security set to a level you are comfortable with.
- If you receive an email or message that sounds too good to be true you are probably best deleting it. Do not give out personal information to a non-accredited website or link.

If in doubt about staying safe whilst online, check with someone you can trust like IT Services.

17. Other Learning Opportunities

Study abroad (semester)

Study abroad is not currently available for this programme

18. Additional Costs

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

19. 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 Internal Quality Audit (IQA) process.

Your 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 your 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/>

20. 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. Keele University Regulations and Guidance for Students and Staff: <http://www.keele.ac.uk/regulations>

Version History

This document

Date Approved: 17 August 2022

What's Changed

Correction of semesters for PHA-10036 and PHA-10038

Previous documents

Version No	Year	Owner	Date Approved	Summary of and rationale for changes
1	2022/23	GARY MOSS	03 March 2022	