Programme Specification
BSc Applied Chemistry
For students entering Part 1 in September 2016 **UFAPPCHEMNU**

This document sets out key information about your Programme and forms part of your Terms and Conditions with the University of Reading.

Awarding Institution	University of Reading
Teaching Institution	University of Reading
Length of Programme	4 years
Accreditation	

Programme information and content	
This programme represents an articulated dual award between the University of Reading and NUIST, China by mutual credit transfer. The programme is designed to provide a broad and rigorous study of modern chemistry through an internationally coordinated teaching approach. Students will study for 3 years on the BSc Applied Chemistry at NUIST, China. All details of the first 3 years at NUIST are available in the Operational Handbook. Students who successfully complete the first three years at NUIST and qualify according to the constraints set out in the agreement will transfer to the University of Reading for the final year of their degree. This year will be identified as Year 4 or Part 3 in this document. See Operational Handbook for full details of Years 1, 2 and 3 and assessment	
Part 1:	*This Part is carried out in China and is exempt from classification for this programme*
Part 2:	Core modules co-designed by UoR and NUIST are delivered to provide a broad and rigorous study of modern chemistry including organic chemistry and inorganic chemistry and lab-based skills. Students will have had the opportunity to develop additional skills, in particular relating to communication, interpersonal skills, learning skills, research skills, numeracy, self-management, use of IT and problem-solving, and will have been encouraged to further develop and enhance the full set of skills through a variety of opportunities available outside their curriculum. Students will study chemistry elements designed to prepare them for their final year of study at Reading, they will be expected to fully communicate in English

	and to develop an ability to draw from their knowledge of chemistry and apply it in a variety of different problem solving type applications.
Part 3:	Students will transfer to Reading for their final year. The training in transferable skills will be applied and enhanced within the individual research project students will carry out during their time at Reading. Students will undertake advanced modules and skills in Chemistry.

Module information

Each part comprises 120 credits, allocated across a range of compulsory and optional modules as shown below. Compulsory modules are listed.

Foundation modules:

Students follow and intensive programme of English for Academic Purposes alongside the following Chemistry module:

NUIST Module Code	Module Title	NUIST Credits	UoR equivalent	Level
	General Chemistry	3	20	4

In addition, students take modules taught in Chinese, which do not affect direct admission to the University of Reading.

Part 1 Modules:

Module Title	NUIST Credits	UoR Equivalent	Level
Inorganic Chemistry 1 & 2	3+3	20	4
Physical Chemistry 1 & 2	3+3	20	4
Organic Chemistry 1 & 2	3+3	20	4
Introductory Chemistry Experiment 1 & 2	4+4	40	4
English for Chemists 1 & 2	3+3	20	4

Students will undertake other modules in Part 1 in China not listed here which do not count to credit

Part 2 Modules:

Part 2 (two semesters) in Nanjing

Module Title	NUIST Credits	UoR equivalent	Level
Further Inorganic Chemistry 1 & 2	3+3	20	5
Further Physical Chemistry 1 & 2	3+3	20	5
Further Organic Chemistry 1 & 2	3+3	20	5
Analytical Chemistry	3	10	5
Extended Experimental Chemistry 1 & 2	3+6	30	5
Environmental Chemistry	3	10	5
Medicinal Chemistry	3	10	5

Students will undertake other modules in Part 2 in China not listed here which do not count to credit

If you take a year-long placement or study abroad, Part 3 as described below may be subject to variation.

Part 3 Modules:

Module	Name	Credits
CH3AN2	Advanced Analytical Techniques for Inorganic Structure Determination	10
CH3ENG	English Language for Chemists	10
CH3I1	d and f block chemistry	10
CH3NUI	Health and Safety and Professional Skills	10
CH3O2	Advanced Organic Chemistry - Contemporary Synthetic Methodology	10
CH3P1	Advanced Topics in Physical Chemistry 1	10
CH3PRA	Advanced Laboratory Skills	20
CH3PRJ	Research Project	40

Optional modules:

The optional modules available can vary from year to year. An indicative list of the range of optional modules for your Programme is set out in the Further Programme Information. Details of optional modules for each part, including any Additional Costs associated with the optional modules, will be made available to you prior to the beginning of the Part in which they are to be taken and you will be given an opportunity to express interest in the optional modules that you would like to take. Entry to optional modules will be at the discretion of the University and subject to availability and may be subject to pre-requisites,

such as completion of another module. Although the University tries to ensure you are able to take the optional modules in which you have expressed interest this cannot be guaranteed.

Additional costs of the programme

Placement opportunities

Teaching and learning delivery:

Teaching is organised in modules that involve a combination of lectures, tutorials, workshops and practical sessions.

Total study hours for each Part of your programme will be a minimum of 1200 hours. The contact hours for your programme will depend upon your module combination; an average for a typical set of modules on this programme in Part 3 is 450 hours (for student studying at UoR).

For students studying at NUIST contact hours will vary, in general a 10 credit module will have 3 contact hours per week over 16 weeks.

Accreditation details

N/A

Assesment

Modules are assessed by a mixture of coursework and formal examinations. At least 50% of the assessment will normally be by formal examination except for the Part 3 project.

Progression

To progress on to Part 3 of the Reading course students must obtain an overall average mark of 70% on all compulsory chemistry modules listed above and completed by the end of Semester 5 in NUIST and gain level 6.5 in the IELTS or TEEP English Language test.

Classification

The final degree classification is calculated by taking the average mark for Part 2 compulsory modules stated in this Programme Specification (weighted as above) and converting to an equivalent Reading mark using the mark conversion agreed and detailed in the Operational Handbook (module CH2NUI). This mark is then added to the average mark for the Part 3 modules (weighted according to credits) in the ratio 1:2 to get a mark out of 100.

Part 2 (CH2NUI) contributes 33% and Part 3 contributes 67% towards the Final Degree classification.

Provided a student has attained an overall weighted average from Parts 2 and 3 as calculated above of 40% or higher and has not scored less than 40% in over 40 credits they will be eligible for a dual award.

The University's honours classification is as follows:

Mark	Interpretation
70% - 100%	First class
60% - 69%	Upper Second class
50% - 59%	Lower Second class
40% - 49%	Third class
0% - 39%	Fail

For further information about your Programme please refer to the Programme Handbook and the relevant module descriptions, which are available at http://www.reading.ac.uk/module/. The Programme Handbook and the relevant module descriptions do not form part of your Terms and Conditions with the University of Reading.

BSc Applied Chemistry for students entering Part 1 in session 2016/17
13 March 2019