

EPS Undergraduate Programme Changes

Amendments to Undergraduate Programmes from 2022-23

If you have been made an offer to study at Queen's, you will have received a copy of the [University's terms and conditions](#) which states that you will be made aware of any significant amendments made to the programmes for entry in 2022-23. The University is always looking at ways to make programmes better and the changes outlined below have been designed to provide you with an enhanced student experience.

Chemistry and Chemical Engineering

[\(candce@gub.ac.uk\)](mailto:candce@gub.ac.uk)

BEng Chemical Engineering MEng Chemical Engineering BEng Chemical Engineering (Sandwich) MEng Chemical Engineering with a Year in Industry	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>The structure of your programme will change. Module CHE1104 Mathematics for Chemists and Engineers is being withdrawn and replaced by two new modules: a new Semester 1 module called CHE1006 Introductory Mathematics for Chemists and Engineers, and a Semester 2 module named CHE1108 Mathematics for Chemical Engineers. Each module will be worth 10 CATS. Module content and learning outcomes do not change and are covered across the two new modules.</p>
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	<p>Module CHE3104 Chemical Engineering Design Project is now compulsory for all BEng students, and the option to do a semester long research project is no longer available. This is to ensure students have improved engineering design training and also to allow for smoother transition to the MEng pathway, for students who wish to do so after the end of Stage 3. In addition, the assessment profile of module CHE3008 Biochemical Engineering's changes from 80% Examination and 20% Coursework to 70% Examination and 30% Coursework in order to better balance the assessment profile of the module.</p>
<p>BEng Chemical Engineering (Sandwich)</p> <p>MEng Chemical Engineering (Sandwich)</p> <p>BSc Chemistry (Sandwich)</p> <p>BSc Medicinal Chemistry (Sandwich)</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>Following student feedback, and for consistency against other undergraduate programmes within the School, your programme will be renamed as:</p> <p>BEng Chemical Engineering with a Year in Industry</p> <p>MEng Chemical Engineering with a Year in Industry</p> <p>BSc Chemistry with a Year in Industry</p>

	BSc Medicinal Chemistry with a Year in Industry
MSci Chemistry MSci Chemistry with Study Abroad MSci Chemistry with a Year in Industry MSci Medicinal Chemistry MSci Medicinal Chemistry with a Year in Industry	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>Following feedback from the Royal Society of Chemistry, students and industry, the award of your degree will change <u>from</u> Master of Science (MSci) <u>to</u> Master of Chemistry (MChem).</p>

Electronics, Electrical Engineering and Computer Science

[\(eeecs@qub.ac.uk\)](mailto:eeecs@qub.ac.uk)

BEng Electrical & Electronic Engineering (with International Year One)	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p>
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<p>BEng Electrical & Electronic Engineering</p> <p>BEng Electrical & Electronic Engineering (with Year of Professional Experience)</p> <p>MEng Electrical & Electronic Engineering</p> <p>MEng Electrical & Electronic Engineering (with Year of Professional Experience)</p>	<p>The School has undertaken a review of its programmes and has made a number of changes to your programme. These are designed to ensure you can engage with the latest technical advances in the field and to organise the pathways so that you can most easily develop your own interests, select the corresponding modules as you progress through the pathway and undergo the best learning experience possible.</p> <p>The following modules will be withdrawn: ECS1007 Electronic Systems, ELE1055 Microelectronics, ELE2018 Electronics 2, ELE2020 Signals & Communications Systems, ELE2024 Circuits & Control, ELE2036 Professional Engineering & Innovation and ELE4007 MEMS Devices & Technologies 4</p> <p>And the following new modules will be added in the areas of: Signals & Communications, Professional Engineering, Electronics & Circuits, Communications, Digital Systems and Signals & Control.</p> <p>In addition, as a result of a recent professional accreditation exercise, we will be changing the descriptions of the learning outcomes for our programmes to match those of the Engineering Council. Please note that these learning outcomes remain the same in substance – our pathways have been benchmarked against these outcomes – and are being changed to align more precisely with the wording of the accreditors.</p>
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BEng Software & Electronic Systems
BEng Software & Electronic Systems
(with Year of Professional Experience)
MEng Software & Electronic Systems
MEng Software & Electronic Systems
(with Year of Professional Experience)
BEng Computer Engineering
BEng Computer Engineering (with Year
of Professional Experience)
MEng Computer Engineering
MEng Computer Engineering (with Year
of Professional Experience)

We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.

The changes to be introduced are as follows:

The School has undertaken a review of its programmes and has made a number of changes to your programme. These are designed to ensure you can engage with the latest technical advances in the field and to organise the pathways so that you can most easily develop your own interests, select the corresponding modules as you progress through the pathway and undergo the best learning experience possible.

The following modules are being withdrawn: CSC1025 Procedural Programming, ELE2018 Electronics 2, ELE2020 Signals & Communications Systems, ELE2024 Circuits & Control, ELE2036 Professional Engineering & Innovation and ELE4007 MEMS Devices & Technologies 4.

The following new modules will be added in the areas of: Signals & Communications, Professional Engineering, Electronics & Circuits, Communications, Digital Systems and Signals & Control.

In addition, as a result of a recent professional accreditation exercise, we will be changing the descriptions of the Learning Outcomes for our programmes to match

	<p>those of the Engineering Council. Please note that these Learning Outcomes remain the same in substance – our pathways have been benchmarked against these outcomes – and are being changed to align more precisely with the wording of the accreditors.</p>
<p>BSc Computing and Information Technology Including Professional Experience BEng Computer Science (with International Year One) BSc Computer Science with Year of Professional Experience MEng Computer Science MEng Computer Science Including Professional Experience BEng Software Engineering with Year of Professional Experience MEng Software Engineering With Placement MEng Software Engineering BEng Software Engineering with Digital Technology Partnership</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>A new optional module to introduce cyber security has been added to the first year. The content provided in years one and two through the two modules “Architecture and Networks” has been split with a first year module Introduction to Computer Architecture and a second year module Networks and Protocols to help keep the content more cohesive.</p> <p>Module CSC2056 Cyber Security Fundamentals has been renamed as Systems Security and Cryptography.</p> <p>A fourth year module CSC 4005 Principles of High Performance Computing has been re-factored into a new module entitled Parallel and Distributed Computing to broaden the focus.</p>

<p>BA Archaeology BA Archaeology and History BA Archaeology and Irish BA Archaeology with French BA Archaeology with Portuguese BA Archaeology with Spanish MSci Archaeology BSc Archaeology and Paleoecology BSc Archaeology-Palaeoecology and Geography</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>You will receive a timetable aligned with the new semester structure. We are aligning the semester structure in Archaeology & Palaeoecology with the semester structure already implemented in many other subjects across the University, resulting in a reduction in the number of contact teaching weeks from 12 to 10, split into two 5-week blocks per semester. This will mean a consolidation of contact hours during the remaining weeks of contact teaching, and will inevitably also lead to a slight reduction of contact hours in some individual modules. More specifically, the modules affected are:</p> <ul style="list-style-type: none"> • Ancient Humans and Landscapes (ARP1006): Reduction in the number of lectures from 24 to 20; increase in the number of practicals from 11 to 16; removal of fieldtrip. • Environmental Change: Past, Present and Future (ARP1007): Reduction in the number of lectures from 23 to 19. • Europe in Prehistory (ARP1008): Reduction in the number of lectures from 23 to
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	<p>20; reduction in the number of tutorials from 5 to 4.</p> <ul style="list-style-type: none"> • Ireland in Prehistory (ARP2041): Reduction in the number of lectures from 22 to 21. • Thinking through Things: Theorizing Global Archaeology (ARP2043): Reduction in the number of seminars; removal of presentation assessment; changing weighting of Reports 1 and 2 from 20% each to 25% each. • Palaeoenvironmental Techniques (ARP2051): Reduction in the number of lectures from 12 to 11; reduction in the number of practicals from 10 to 9. • Volcanoes: Environmental and Societal Impacts (ARP3080): Introduction of exam in lieu of coursework; total contact hours altered (Lectures 12, Practical 13, Seminars 9; Total 34). • Critical Thinking (ARP3089): Reduction in the number of lectures from 11 to 9; seminars for student presentations will be 3 sessions of 3 hours, in order to enable flexibility regarding numbers of students registered in the module.
<p>BA Archaeology with French BA Archaeology with Portuguese BA Archaeology with Spanish</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>Compulsory module ARP3997 International Study with new compulsory module ARP3996 Archaeology with a Language Year Abroad.</p>

BSc Geography
BSc Geography with a Language

We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.

The changes to be introduced are as follows:

The following modules will not be delivered: GGY3096 Health Geography, GY3084 Environmental Geopolitics, GGY3035 Sea Level Change, GGY3073 Climate Change, GGY2063 Space, Culture and Mobility (Malta), GGY3066 Geography, Science and Society.

The following modules will be delivered: GGY3075 Geographies of Outer Space, GGY3088 Geographies of Ethnicity, GGY3091 Sustaining the Biosphere, GGY2064 Urban Landscapes (Netherlands).

Module GGY3074 Geographies of Contested Territories will be swapped from Semester 1 to Semester 2 and a new module GGY3097 Ice Cold Environments will be introduced in Semester 1.

Module GGY2064 Urban Landscapes – Past, Present, Future will be renamed to GGY2064 Urban Landscapes (Netherlands).

<p>BEng in Civil Engineering</p> <p>BEng in Civil Engineering with a Year in Industry</p> <p>BEng in Civil Engineering with International Year One</p> <p>MEng in Civil Engineering</p> <p>MEng in Civil Engineering with a Year in Industry</p> <p>MEng in Environmental & Civil Engineering</p> <p>MEng in Environmental & Civil Engineering with a Year in Industry</p> <p>MEng in Structural Engineering with Architecture</p> <p>MEng in Structural Engineering with Architecture with a Year in Industry</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>The Programme Specifications include a mapping from programme learning outcomes set by Queen's to Engineering Council learning outcome codes under the Accreditation of Higher Education Programmes guidance. Those codes have changed recently, and so the mapping will be updated. There are some minor changes in the language of the programme learning outcomes as well.</p> <p>Finally, we have decreased the weighting of the examination component for both CIV1015 Mathematics 1 and CIV3065 Geotechnics 3 from 80% to 70%.</p>
<p>BSc in Planning, Environment and Development</p> <p>MPlan European Planning</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p>

In consultation with our students, accrediting bodies and external examiners, we have determined to make a change to the programme structure. Specifically, we are making changes to our independent dissertation project, which BSc Planning Environment and Development students undertake in their third year of study. The dissertation is usually completed in the spring semester and is weighted as a single 20 CAT module. However, we have determined that students require more time to complete their best work and that the module could be extended across both the autumn and spring semesters. We also contend that double weighting the module to 40 CATS would be a better reflection of the work involved.

This change necessitates the removal of one 20 CAT module at Level 3, however. As such, we have decided to remove EVP3012 Comparative Planning Studies, as we can better deliver this content within our existing module offering.

For students joining us on the MPlan programme, we are proposing to change the coursework element of EVP4001/2 to two presentations of portfolio of work completed at the Erasmus host institution and at least 40 CATS per semester undertaken at the Erasmus host institution (100% of module marks).

There is one further programme change for students joining us on the MPlan programme. At Level 3 our students will now take two modules relating to 'EVP3004 Conservation and the Built Environment' and 'EVP3013 Infrastructure and Planning.'

	<p>Both of these modules involve project-based work and engagement with planning practitioners, which will enhance both your skills development and employability as graduates.</p> <p>We are also proposing to swap two modules in our existing timetable for Level 1 students. Your module EVP1011 Design Principles in the Built Environment will now be delivered in semester 1, while your module EVP1004 Institutional and Policy Context of Planning will be delivered in semester 2.</p> <p>A final change is proposed to the coursework on EVP1012 History of Planned Settlement. Students will now undertake a single fieldwork portfolio (4,000 words), which will be addressed through six fieldwork tasks that will be undertaken by students throughout the semester.</p>
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Mathematics and Physics

[\(mpts@qub.ac.uk\)](mailto:mpts@qub.ac.uk)

<p>MSci Physics with Astro-Physics</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p>
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	<p>At Stage 4 the compulsory modules for this programme are PHY4001 Research Project, PHY4005 Planetary Systems and PHY4006 High Energy Astro-Physics. Students are advised to take PHY4016 Cosmology if the module is in operation but if not then you may choose any combination of FOUR of the other half modules offered from: PHY4003 Ionising Radiation in Medicine, PHY4004 Medical Radiation Simulation, PHY4007 Laser Physics, PHY4008 Plasma Physics, PHY4009 Materials Characterisation, PHY4010 Physics of Nanomaterials and PHY4011 Ultrafast Science.</p>
<p>BSc Mathematic MSci Mathematics BSc Applied Mathematics and Physics MSci Applied Mathematics and Physics BSc Theoretical Physics MSci Theoretical Physics MSci Mathematics and Statistics & Operational Research BSc Mathematics and Statistics & Operational Research BSc Mathematics with French BSc Mathematics with Spanish BSc Mathematics and Computer Science</p>	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>Module MTH1021 Mathematical Methods 1 has removed one of its class tests and redistributed the weighting to the end of year exam. Therefore, the assessment profile is now: Assignment 15%, Class Test 15% and Exam 70%. This will align the module to the other Level 1 full year module MTH 1011 taken on the programme.</p>

MSci Mathematics and Computer Science	
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Mechanical and Aerospace Engineering

[\(mech.aero@qub.ac.uk\)](mailto:mech.aero@qub.ac.uk)

MEng Aerospace Engineering MEng Aerospace Engineering with Sandwich	<p>We are writing to inform you of curriculum changes that will be introduced to your programme in 2022-23.</p> <p>The changes to be introduced are as follows:</p> <p>The title of Module AER4018: Aerospace Engineering will change to Aeronautical Engineering 4 to reflect a change in module content which will remain aerospace focussed but which will be broader than just aerodynamic topics and will be relevant to recent innovations and themes in the sector. New content will also facilitate the assessment of Level 4 learning outcomes and will seek to leverage the expertise of the Re-Imagining Engineering Design (RIED) Research Group recently established in the School.</p>
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