

CK401-CK408 - GENERAL REGULATIONS, FIRST YEAR PROGRAMMES OF STUDY AND DEGREE OUTLETS

Overview

Science offers programmes leading to the award of the following Honours Bachelor of Science (BSc) (Hons) Degrees:

- **Four-Year, Single Honours, BSc** - BSc Honours
- **Four-Year, Joint Honours, BSc** - BSc Joint Honours

A three-year exit award, the **BSc Ordinary Degree** (NFQ Level 7, Major Award), is awarded to students who achieve a pass standard in the Third Year in an honours degree programme and opt to exit the programme and to be conferred with a BSc Ordinary Degree.

1. Regulations applying to all years are detailed here (p. 1)
2. Information regarding entry to First Science is detailed here (p. 2)
3. Regulations and programme requirements for each BSc Degree programme are detailed here (p. 2)
4. Information regarding entry to Second, Third and Fourth Science is detailed here (p. 2)
5. Regulations regarding transfer into Science Degree programmes or transferring between degree programmes are detailed here (p. 1)

Regulations Applying to All Years

Modules

Programmes are defined in terms of modules. Modules are measured in credits. A module may correspond to 5, 10, 15 or 20 credits. A year of a degree programme consists of modules to a total value of **60** credits. Module descriptions are contained in the *Book of Modules, 2022/2023*.

Subject Abbreviations

The abbreviations listed below are used throughout the section and correspond to the various subjects offered within Science. Specific modules are identified by a two lettered code followed by a number (e.g. BL1002 Cells, Biomolecules, Genetics and Evolution corresponds to a Biology module which is taught in First Science).

Abbreviations

- **AE** Applied Ecology
- **AN** Anatomy
- **AM** Applied Mathematics
- **AR** Archaeology
- **BC** Biochemistry
- **BL** Biology
- **BM** Biomedical Sciences
- **BT** Biotechnology
- **CE** Civil, Structural and Environmental Engineering
- **CH** Chinese Studies
- **CM** Chemistry
- **CS** Computer Science
- **EC** Economics

- **ER** Earth Science
- **EV** Environmental Science and Environmental Studies
- **FR** French
- **GE** German
- **GG** Geography
- **GL** Geology
- **GN** Genetics
- **HS** Hispanic Studies
- **IT** Italian
- **LW** Law
- **MG** Management
- **MA** Mathematics
- **MB** Microbiology
- **MF** Financial Mathematics
- **ML** Molecular Biology
- **PA** Policy Studies
- **PM** Pathology
- **PT** Pharmacology
- **PY** Physics
- **PL** Physiology
- **PB** Plant and Microbial Biotechnology
- **PS** Plant Science
- **SS** Social Policy
- **ST** Statistics
- **ZY** Zoology

Selection of Modules

The selection of any module by a student is conditional on the approval of the Professor or Lecturer concerned and the College being satisfied that the student is capable of profiting by attendance thereat; a similar condition attaches to the selection of an honours rather than a pass module, where such a choice exists. Selection, where necessary, will be on the basis of academic merit. No student may select two modules which involve a timetable clash.

Progress Through Degree Programmes

A student must pass each year to progress to the next year of a degree programme. The rules governing pass and progression will be contained in the *Marks and Standards 2022/2023 Book*. **Note:** Special requirements for passing individual modules, if any, are detailed in the *Book of Modules, 2022/2023*.

Assessment of Practical Work

In modules which include practical work - assessed continuously, by examination or both - students must satisfy the examiners in this aspect of assessment as well as in the end of semester written examinations. The examiners will, where possible, take into account the work done by students during the year, as shown by the certified records of their work. These records, in the form of notebooks, laboratory specimens, preparations, etc., **must** be submitted for inspection as and when requested.

Examinations

Full details and regulations governing Examinations for each programme will be contained in the *Marks and Standards 2022/2023 Book* and for each module in the *Book of Modules, 2022/2023*.

Entry to First Science - 2022/2023

Regulations for the BSc (Hons) Degree [CK401, CK402, CK404, CK405, CK406, CK407, CK408, CK409]

Students wishing to study for a degree in Science are required to apply for admission through the Central Applications Office (CAO), by the prescribed date, to one of ten First Science Areas of Study:

- **Computer Science CK401**
- **Biological and Chemical Sciences CK402**
- **Biological, Earth and Environmental Sciences CK404**
- **Genetics CK405**
- **Chemical Sciences CK406**
- **Mathematical Sciences CK407**
- **Physics and Astrophysics CK408**
- **Industrial Physics CK409**
- **Data Science and Analytics CK411**
- **Agricultural Science CK412**

See here (<https://reg.ucc.ie/curriculum/calendar/live/general/info013.html>) for minimum entry requirements and specific programme requirements.

Students wishing to enter First Science as Mature Students, see here (<https://reg.ucc.ie/curriculum/calendar/live/general/info013.html>).

Non-EU students wishing to enter First Science apply directly to the Admissions Office, UCC, see here (<https://reg.ucc.ie/curriculum/calendar/live/general/info013.html>).

First Science

The First Science Areas of Study, the corresponding group of First Science modules, and the Honours degree outlets from each Area are shown below.

First Science Outlets into Second Science

For students entering in 2022/23, the normal outlets from the First Science Areas of Study into Second Science degree programmes are:

- Biological and Chemical Sciences (CK402)
 - Biological Sciences (<https://ucc-ie-public.courseleaf.com/programmes/bscb/>)
 - Chemistry (<https://ucc-ie-public.courseleaf.com/programmes/bscch/>)
 - Chemistry of Pharmaceutical Compounds (<https://ucc-ie-public.courseleaf.com/programmes/bsccpc/>)
 - Chemistry with Forensic Science (<https://ucc-ie-public.courseleaf.com/programmes/bsccfs/>)
 - Science Education (Chemistry or Biology Route) (<https://ucc-ie-public.courseleaf.com/programmes/bscsed/>)
- Biological, Earth and Environmental Sciences (CK404)
 - Biological Earth and Environmental Sciences (Applied Plant Biology (<https://ucc-ie-public.courseleaf.com/programmes/bscrbl/>), Ecology and Environmental Biology (<https://ucc-ie-public.courseleaf.com/programmes/bscreb/>), Environmental Science (<https://ucc-ie-public.courseleaf.com/programmes/bscr/>), Geoscience (<https://ucc-ie-public.courseleaf.com/programmes/bscr-geoscience/>), Science Education (Biology Route only) (<https://ucc-ie-public.courseleaf.com/programmes/bscsed/>), Zoology (<https://ucc-ie-public.courseleaf.com/programmes/bscrzy/>))

- Chemical Sciences (CK406)
 - Chemistry (<https://ucc-ie-public.courseleaf.com/programmes/bscch/>)
 - Science Education (Chemistry Route only) (<https://ucc-ie-public.courseleaf.com/programmes/bscsed/>)
 - Chemistry with Forensic Science (<https://ucc-ie-public.courseleaf.com/programmes/bsccfs/>)
 - Chemical Physics (<https://ucc-ie-public.courseleaf.com/programmes/bsccpy/>)
- Computer Science (CK401)
 - Computer Science (<https://ucc-ie-public.courseleaf.com/programmes/bscfs/>)
 - Computer Science (Software Entrepreneurship) (<https://ucc-ie-public.courseleaf.com/programmes/bscse/>)
- Genetics (CK405)
 - Genetics (<https://ucc-ie-public.courseleaf.com/programmes/bscgn-genetics/>)
- Mathematical Sciences (CK407)
 - Financial Mathematics and Actuarial Science (<https://ucc-ie-public.courseleaf.com/programmes/bscmfm/>)
 - Mathematical Sciences (<https://ucc-ie-public.courseleaf.com/programmes/bscms-mathematical-sciences/>)
 - Mathematical Sciences and Physics (<https://ucc-ie-public.courseleaf.com/programmes/bscms-mathematical-sciences-physics/>)
- Physics and Astrophysics (CK408)
 - Astrophysics (<https://ucc-ie-public.courseleaf.com/programmes/bscpya/>)
 - Chemical Physics (<https://ucc-ie-public.courseleaf.com/programmes/bsccpy/>)
 - Science Education (Physics Route only) (<https://ucc-ie-public.courseleaf.com/programmes/bscsed/>)
 - Physics (<https://ucc-ie-public.courseleaf.com/programmes/bscp/>)
 - Mathematical Sciences and Physics (<https://ucc-ie-public.courseleaf.com/programmes/bsc-math-physics/>)
- Industrial Physics (CK409)
 - Industrial Physics (<https://ucc-ie-public.courseleaf.com/programmes/bscipy/>)
- Data Science and Analytics (CK411)
 - Data Science and Analytics (<https://ucc-ie-public.courseleaf.com/programmes/bscdsa/>)
- Agricultural Science (CK412)
 - Agricultural Science (<https://ucc-ie-public.courseleaf.com/programmes/bfagr/>)

BSc (Single Honours) AND BSc (Joint Honours)

Regulations and Programme Requirements for Second, Third and Fourth Years of the BSc (Hons) Degree Programmes are presented under the following headings:

- Astrophysics (<https://ucc-ie-public.courseleaf.com/programmes/bscpya/>)

- Biological, Earth and Environmental Sciences (<https://ucc-ie-public.courseleaf.com/programmes/bscr/>)
- Biological Sciences (<https://ucc-ie-public.courseleaf.com/programmes/bscb/>)
- Chemical Physics (<https://ucc-ie-public.courseleaf.com/programmes/bscopy/>)
- Chemistry (<https://ucc-ie-public.courseleaf.com/programmes/bscch/>)
- Chemistry of Pharmaceutical Compounds (<https://ucc-ie-public.courseleaf.com/programmes/bscpc/>)
- Chemistry with Forensic Science (<https://ucc-ie-public.courseleaf.com/programmes/bccfs/>)
- Computer Science (<https://ucc-ie-public.courseleaf.com/programmes/bcsf/>)
- Financial Mathematics and Actuarial Science (<https://ucc-ie-public.courseleaf.com/programmes/bcmfm/>)
- Genetics (<https://ucc-ie-public.courseleaf.com/programmes/bcgn/>)
- Mathematical Sciences (<https://ucc-ie-public.courseleaf.com/programmes/bcms-mathematical-sciences/>)
- Physics (<https://ucc-ie-public.courseleaf.com/programmes/bscp/>)
- Science Education (<https://ucc-ie-public.courseleaf.com/programmes/bcsed/>)