

HNC/HND Qualifications for 2020 Entry

The College of Science and Engineering is pleased to accept a number of HNC/HND qualifications for entry to many of our undergraduate degree programmes.

For some programmes SQA Highers are required in addition to the HNC or HND.

Please note these are our minimum entry requirements in order to be considered for these programmes, however, due to competition for places meeting the minimum requirements does not guarantee that an application will be successful.

BIOLOGICAL SCIENCE DEGREE PROGRAMMES

Name	HNC Applied Sciences	HND Applied Sciences HND Applied Biological Sciences HND Environmental Sciences HND Biomedical Sciences HND Biotechnology
<p>Biological Sciences (BSc) C100 Biochemistry (BSc) C700 Biotechnology (BSc) J700 Cell Biology (BSc) C130 Development, Regeneration & Stem Cells (BSc) C140 Ecology (BSc) C180 Evolutionary Biology (BSc) C182 Genetics (BSc) C400 Immunology (BSc) C550 Molecular Biology (BSc) C720 Molecular Genetics (BSc) C440 Plant Science (BSc) C200 Zoology (BSc) C300 Biological Sciences with Management (BSc) C1N1</p>	<p>Year one entry is subject to achieving: grade A in the graded unit and including the following modules:</p> <p>Mathematics for Science 1 Statistics for Science 1 Laboratory Skills for Science Industries Applied Sciences: Graded Unit Cell Biology: Theory and Laboratory Skills Fundamental Chemistry: Theory & Lab Skills Inorganic Chemistry: Theory and Lab Skills Organic Chemistry: Theory and Lab Skills Physical Chemistry: Theory and Lab Skills Physics for Life Science Biochemistry: Theory and Laboratory Skills Biotechnology: An introduction DNA and Genetics</p> <p>If your HNC programme does not include all or any of these modules, please contact us to discuss further.</p> <p>Please note that dependent on prior learning students entering degree programmes with the HNC may be required to take specific courses as part of their degree.</p>	<p>Year one entry is subject to achieving: grades BB in the graded units.</p> <p>Year two entry is subject to achieving: grades AA in the graded units.</p> <p>See HNC entry requirements.</p> <p>If your HND does not include the HNC modules listed, please contact us to discuss further.</p>

CHEMISTRY DEGREE PROGRAMMES

Name	HNC Applied Sciences	HND Applied Chemistry
Chemistry (BSc/MChem) F100/F104 Medicinal & Biological Chemistry (BSc/MChem) FC17/FC1R	Year one entry is subject to achieving: grade A in the graded unit; Mathematics for Science 1; Inorganic Chemistry: Theory and Lab Skills; Organic Chemistry: Theory and Lab Skills; Physical Chemistry: Theory and Lab Skills.	Year one entry is subject to achieving: grades BB in the graded units; Mathematics for Science 1. Year two entry is subject to achieving: grades AA in the graded units; Mathematics for Science 1; Mathematics for Science 2.
Chemical Physics (BSc/ MChemPhys) F334/F333	Year one entry is subject to achieving: grade A in the graded unit; Mathematics for Science 1; Inorganic Chemistry: Theory and Lab Skills; Organic Chemistry: Theory and Lab Skills; Physical Chemistry: Theory and Lab Skills Physics for life sciences Physics 1 or Physics 2	Year one entry is subject to achieving: grades BB in the graded units; Mathematics for Science 1 and Physics 1 or Physics 2 Physics Principles: Heat and Thermodynamics Year two entry is subject to achieving: grades AA in the graded units; Mathematics for Science 1; Mathematics for Science 2 Physics 1 Physics Principles: Heat and Thermodynamics Physics 2

COMPUTER SCIENCE (INFORMATICS) DEGREE PROGRAMMES

Name	HNC Computing	HND Computing
Artificial Intelligence (BSc) G700 Artificial Intelligence & Computer Science (BSc) GG47 Artificial Intelligence & Mathematics (BSc) GG17 Artificial Intelligence & Software Engineering (BEng) GG67 Artificial Intelligence with Management (BEng) G7N2 Cognitive Science (BSc) C859 Computer Science (BSc/BEng) G400/G401 Computer Science & Management Science (BSc) GN42 Computer Science & Mathematics (BSc) GG14 Computer Science with Management (BEng) G4N2 Informatics (MInf) G500 Software Engineering (BEng) G600 Software Engineering with Management (BEng) G6N2	Year one entry is subject to achieving: grade B in the graded unit; and SQA Higher Mathematics at grade A.	Year one entry is subject to achieving: grades BB in the graded units; and SQA Higher Mathematics at grade A.
Computer Science & Physics (BSc) GF43	Year one entry is subject to achieving: grade B in the graded unit; SQA Higher Mathematics at grade A; and SQA Higher Physics at grade B or above.	Year one entry is subject to achieving: grades BB in the graded units; SQA Higher Mathematics at grade A; and SQA Higher Physics at grade B or above.

EARTH SCIENCES (GEOSCIENCE) DEGREE PROGRAMMES

Name	HNC Applied Science	HND Applied Biological Sciences HND Environmental Sciences HND Biomedical Sciences and HND Biotechnology HND Applied Science
Environmental Geoscience (BSc) F630 Geology (BSc/MEarthSci) F600/F640 Geology & Physical Geography (BSc/MEarthSci) FF68/FF6V	Year one entry is subject to achieving: grade A in the graded unit.	Year two entry is subject to achieving: grades AA in the graded units.
Geophysics (BSc/MEarthPhys) F660/M7G6 Geophysics & Meteorology (BSc/MEarthPhys) FFP8/K7T8 Geophysics & Geology (BSc/MEarthPhys) F690/L3R7 (NO 2ND YEAR ENTRY) Geophysics with Professional Placement (MEarthPhys) U9H6 Geophysics & Meteorology with Professional Placement (MEarthPhys) K8T9 Geophysics & Geology with Professional Placement (MEarthPhys) L5T6	Year one entry is subject to achieving: A in the graded unit; Mathematics for Science 1; Physics 1 or 2; Physics Principles: Heat and Thermodynamics; Physics Principles: Mechanics; Statistics for Science 1.	HND Applied Science only Year one entry is subject to achieving: BB in the graded unit; Mathematics for Science 1; Physics 1 or 2; Physics Principles: Heat and Thermodynamics; Physics Principles: Mechanics; Statistics for Science 1 Year two entry is subject to achieving: AA in the graded unit; Mathematics for Science 1 and 2; Physics 1 and 2; Physics Principles: Heat and Thermodynamics; Physics Principles: Mechanics; Statistics for Science 1

ECOLOGICAL & ENVIRONMENTAL SCIENCE DEGREE PROGRAMMES

Name	HNC Applied Sciences	HND Applied Biological Sciences HND Environmental Sciences HND Biomedical Sciences HND Biotechnology HND Applied Sciences
Ecological & Environmental Sciences (BSc) CF17 Ecological & Environmental Sciences with Management (BSc) CN12	Year one entry is subject to achieving: grade B in the graded unit. Year two entry is subject to achieving: grade A in the graded unit.	Year two entry is subject to achieving: grades AA in the graded units.

GEOGRAPHY DEGREE PROGRAMMES

Name	HNC Applied Sciences	HND Applied Biological Sciences HND Environmental Sciences HND Biomedical Sciences HND Biotechnology HND Applied Sciences

Geography (BSc) F800	Year one entry is subject to achieving: grade A in the graded unit.	Year two entry is subject to achieving: grades AA in the graded units.
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Name	HNC Social Sciences	HND Social Sciences
Geography (MA) L700 *Geography & Archaeology (MA) LV74 *Geography & Politics (MA) LL72 *Geography & Social Anthropology (MA) LL76 *Geography & Social Policy (MA) LL74 *Geography & Sociology (MA) LL73 *Geography with Environmental Studies (MA) L7F9 *Entry to year 2 in not offered	Year one entry is subject to achieving: grade A in the graded unit.	Year two entry to MA Geography (L700) only is subject to achieving: grades AA in the graded.

GENERAL ENGINEERING DEGREE PROGRAMME

Name	HNC Mechanical Engineering	HND Mechanical Engineering
Engineering (BEng or MEng) H100	Year one entry is subject to achieving: Mathematics for Engineering 2; SQA Higher Mathematics at B or above; and SQA Higher Physics at B or above.	Year two entry is subject to achieving: Mathematics for Engineering 3; SQA Advanced Higher Mathematics at B or above; and Advanced Higher Physics at B or above.

CIVIL ENGINEERING DEGREE PROGRAMMES

Name	HNC Civil Engineering	HND Civil Engineering
Civil Engineering (BEng/MEng) H200/H203 Structural and Fire Safety Engineering (BEng/MEng) HH21/HHF1 *Structural Engineering with Architecture (BEng/MEng) H2K1/H2KC *Entry to year 2 in not offered	Year one entry is subject to achieving: A grade B in the graded unit; Mathematics for Construction Engineering; SQA Higher Mathematics at B or above; and SQA Higher Physics at B or above.	Year two entry is subject to achieving: grades BB in the graded units; Mathematics for Construction Engineering; SQA Advanced Higher Mathematics at B or above; and SQA Advanced Higher Physics at B or above.

MECHANICAL ENGINEERING DEGREE PROGRAMMES

Name	HNC Mechanical Engineering	HND Mechanical Engineering HND Mechatronics
Mechanical Engineering (BEng/MEng) H300/H303	Year one entry is subject to achieving:	Year two entry is subject to achieving:

Electrical & Mechanical Engineering (BEng/MEng) HH36/HHH6	Mathematics for Engineering 2; SQA Higher Mathematics at B or above; and SQA Higher Physics at B or above.	Mathematics for Engineering 3; SQA Advanced Higher Mathematics at B or above; and SQA Advanced Higher Physics at B or above.
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ELECTRICAL ENGINEERING DEGREE PROGRAMMES

Name	HNC Electrical Engineering HNC Electronics HNC Engineering Systems	HND Electrical Engineering HND Electronics HND Mechatronics	HND Engineering Systems
Electronics & Electrical Engineering (BEng/MEng) H600/H601	Year one entry is subject to achieving: Mathematics for Engineering 2; and SQA Higher Mathematics at B or above.	Year two entry is subject to achieving: Mathematics for Engineering 3; SQA Advanced Higher Mathematics at B or above; and SQA Higher Physics at B or above.	Year two entry is subject to achieving: Mathematics for Engineering 3; 2 optional credits in Electronics or Electrical Eng; SQA Advanced Higher Mathematics at B or above; and SQA Higher Physics at B or above.

PHYSICS DEGREE PROGRAMMES

Name	HNC Applied Sciences	HND Applied Sciences
Astrophysics (BSc/MPhys) F510/F361 Computational Physics (BSc/MPhys) F343/F355 Physics (BSc/MPhys) F300/F303 Physics with a Year Abroad (MPhys) W2S4 Physics with Meteorology (BSc/MPhys) F304/9W23 Theoretical Physics (BScMPhys) F302/F306	Year one entry is subject to achieving: A in the graded unit; Mathematics for Science 1; Physics 1 or 2; Physics Principles: Heat and Thermodynamics; Physics Principles: Mechanics; Statistics for Science 1	Year one entry is subject to achieving: BB in the graded unit; Mathematics for Science 1; Physics 1 or 2; Physics Principles: Heat and Thermodynamics; Physics Principles: Mechanics; Statistics for Science 1 Year two entry is subject to achieving: AA in the graded unit; Mathematics for Science 1 and 2; Physics 1 and 2; Physics Principles: Heat and Thermodynamics; Physics Principles: Mechanics; Statistics for Science 1