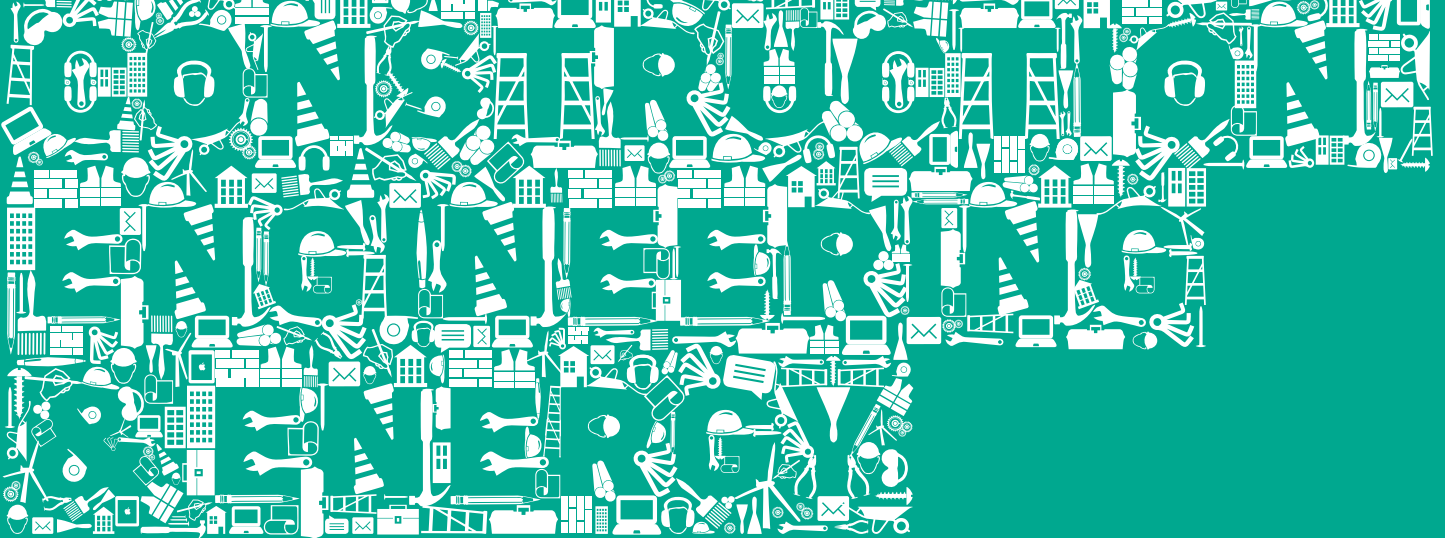


School of



WELCOME

Welcome to the School of Construction, Engineering and Energy. The following pages give brief details of our courses. Full details for all courses can be found on our website.

Some of our courses require you to attend for an interview. All course entry is subject to the outcome of discussion at the interview. At the interview you should be able to demonstrate an interest in your chosen subject. If you don't have the required qualifications, we'll consider you for a place based on your experience - contact course leaders for more information.

Students studying for a two year HND can choose to leave after one year of study with an HNC.

Once you've finished your course, you have the option to move on to a higher level course:

- **NPA - Apply for NC/NQ courses**
- **NC/NQ - Apply for HNC/HND courses at the college**
- **HNC/D - Apply for degree level courses**

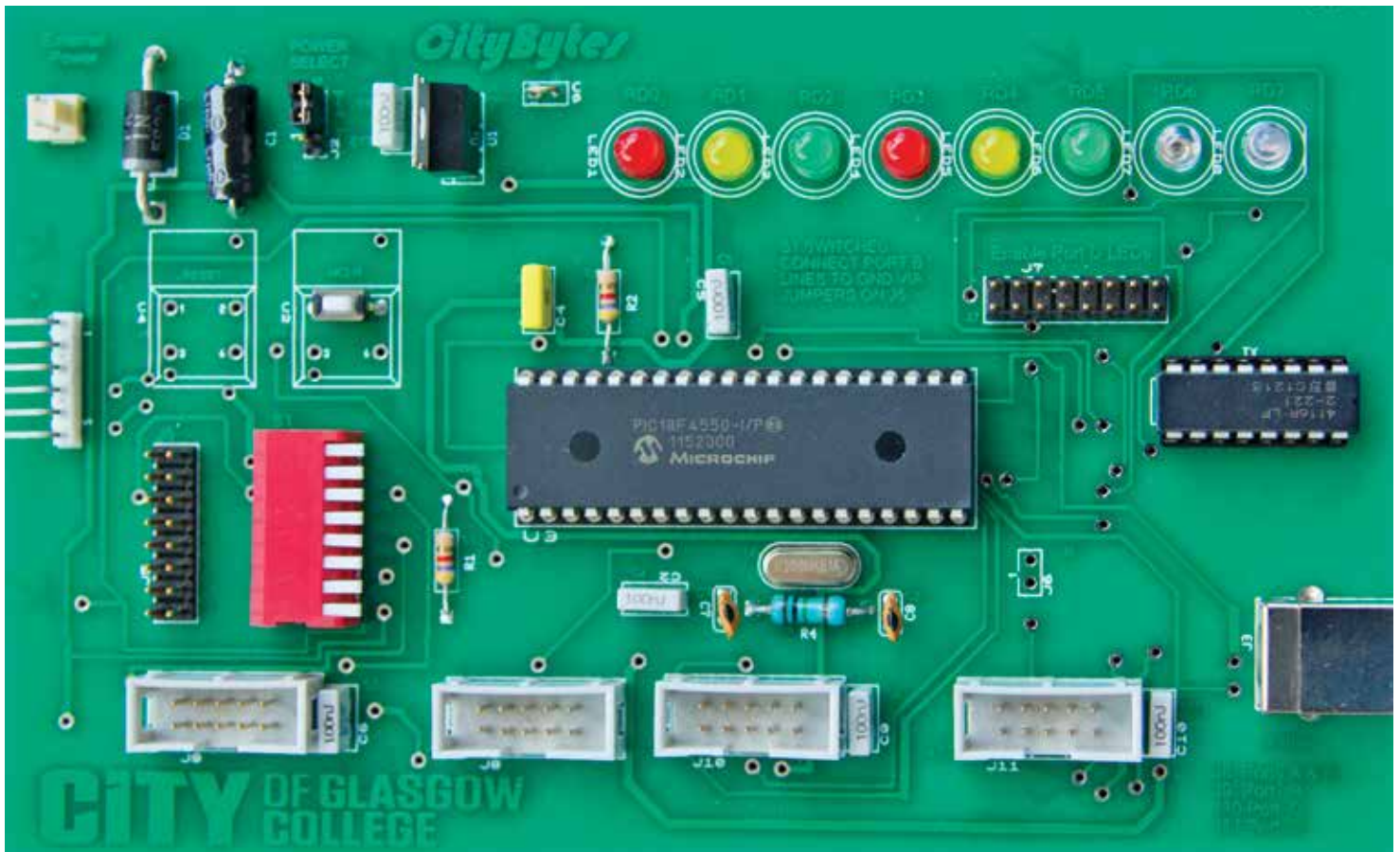
Alternatively, you can go into related employment.

Below we've given you some examples of the career options available if you complete one of our Construction or Engineering courses:

Apprenticeship/Modern Apprenticeship within the Construction Industry, Craft Supervisors/Managers for the Painting and Decorating Industry, Quantity Surveying Technician, Building Control Technician, Architectural Technician, Building Technician, Building Site Supervisor, Higher Technician and Junior Management Posts throughout the Built Environment/Property/Construction Sector and Private Consultant Practices, Electronics Technician in Electronic Manufacture and Service Industries, Trainee within the oil and Gas Industries, Incorporated Engineer, Senior Marine Engineering Officer, Ship Manager, Ship Superintendent.

Full details on opportunities available after you've completed your course are available on the website:

www.cityofglasgowcollege.ac.uk



COURSES

NPA: Brickwork

NPA: Carpentry & Joinery

NPA: Construction Crafts

NPA: Decorative Floorlaying

NPA: Painting & Decorating

NPA: Plastering

NPA: Wall & Floor Tiling

NQ Carpentry & Joinery

NQ Conservation & Restoration

NQ Construction Crafts

NC Built Environment

HNC (Built Environment) Construction

HND Architectural Technology

HND Building Surveying

HND Construction Management

HND Quantity Surveying

HNC Electronics

HND Electronics

HNC Engineering: Electrical

HND Engineering: Electrical

HNC Engineering: Mechanical

**HND Engineering: Mechanical
(with Renewables)**

NC/HNC Marine Engineering

**HND Marine Engineering for Cadets
from Overseas Colleges**

HND Marine Engineering Top Up

**Scottish Professional Diploma in Marine
Engineering**

National Progression Award: Brickwork / Carpentry & Joinery / Construction Crafts / Decorative Floorlaying / Painting & Decorating / Plastering / Wall & Floor Tiling

About this course (SCQF 5)

On these six month courses you'll study the practical and theoretical aspects of your chosen subject to prepare you for employment in the Construction Industry. You will have the opportunity to develop transferable skills which are important if you want to gain employment within the Construction Industry.

What you need

- One Standard Grade at General Level, preferably English, Mathematics, Science or equivalent (except Painting & Decorating which you should be over 16 years of age with an interest in Painting and Decorating with the ability to be self motivated with a positive approach to learning and developing your painting and decorating skills)

Contact

Brickwork / Decorative Floorlaying

john.brown@cityofglasgowcollege.ac.uk

Carpentry & Joinery

peterm.shields@cityofglasgowcollege.ac.uk

Construction Crafts / Plastering / Wall & Floor Tiling

donald.mciver@cityofglasgowcollege.ac.uk

Painting & Decorating

graham.russell@cityofglasgowcollege.ac.uk

NQ Carpentry & Joinery / NQ Conservation & Restoration / NQ Construction Crafts

About this course (SCQF 6)

On these one year full time construction crafts courses you'll study practical and theoretical units covering your chosen specialism - carpentry & joinery / conservation & restoration / construction crafts. You will also have the opportunity to develop transferable skills which are important if you want to gain employment within the Construction Industry.

What you need

- Two Standard Grades at General Level, including English, Mathematics, Science or equivalent

Contact

Carpentry & Joinery / Construction Crafts

peterm.shields@cityofglasgowcollege.ac.uk

Conservation & Restoration

donald.mciver@cityofglasgowcollege.ac.uk





NC Built Environment

About this course (SCQF 5/6)

This course provides an introduction to the knowledge and skills you'll need for a professional career at technician level in the building industry. You'll gain practical experience through field trips and site visits together with classroom based lectures and tutorials.

What you need

- Relevant group of units or courses at Intermediate Level 1/2, OR
- Three Standard Grade passes at Credit Level, preferably with Maths or Numeracy, English and a Science

Contact

martin.reid@cityofglasgowcollege.ac.uk

HNC (Built Environment) Construction

About this course (SCQF 7)

This course covers how buildings are planned, designed and constructed. You'll also learn about how buildings exist within their environment.

What you need

- One Higher Grade pass, preferably Mathematics or a Science, OR
- National Certificate in Built Environment, or equivalent qualification at SCQF level 6

Contact

martin.reid@cityofglasgowcollege.ac.uk

HND Architectural Technology / Building Surveying / Construction Management / Quantity Surveying

About this course (SCQF 7/8)

These two year courses cover how buildings are planned, designed, constructed and maintained. You'll also learn about how these buildings exist within their environment. A common first year provides a general grounding before you specialise in the second year. Students may confirm or change their specialism (subject to places) prior to commencement of second year studies.

What you need

- Two Higher Grade passes, preferably including Mathematics or a Science, OR
- A National Certificate in Built Environment or equivalent qualification at SCQF level 6

Contact

Architectural Technology

frank.boyle@cityofglasgowcollege.ac.uk

Building Surveying / Quantity Surveying

paul.lowne@cityofglasgowcollege.ac.uk

Construction Management

martin.reid@cityofglasgowcollege.ac.uk

You may wish to view the careers sections of the following professional body websites to help you choose a course.

Royal Institute of Chartered Surveyors

www.rics.org.uk

Chartered Institute of Building

www.ciob.org.uk

Chartered Institute of Architectural Technology

www.ciat.org.uk

HNC Electronics

About this course (SCQF 7)

This one year course develops your skills in the principles and technologies of electrical, analogue electronics and digital electronics systems. It also covers programming. You'll learn how to approach high-level language or assembly language programming in a structured way, for applications in a microprocessor or embedded system.

What you need

- NC in an appropriate engineering subject, OR
- Two Higher Grades - Maths and one other (preferably Physics)

Contact

tom.ralph@cityofglasgowcollege.ac.uk

HND Electronics

About this course (SCQF 8)

This two year course reinforces theory with practical work and demonstrations. You'll also use industrial standard software packages for schematic capture, simulation and PCB design. You'll use industrial-standard development kits and interfacing kits in the more specialised units on the course. These include Microprocessors, Programmable Logic Devices and Digital Signal Processing.

What you need

First year

- NC in an appropriate Engineering subject, OR
- Two Higher Grades – Maths and one other (preferably Physics)

Direct entry to second year

- HNC Electronics

Contact

tom.ralph@cityofglasgowcollege.ac.uk

HNC Engineering: Electrical

About this course (SCQF 7)

This one year full time course (also available part time) prepares students to become technicians or technical engineers in the electrical engineering industry which deals with the production, transmission, distribution and application of electricity and the manufacture, installation and maintenance of electrical equipment.

What you need

- NC in an appropriate Engineering subject, OR
- Two Higher Grades - Maths and one other (preferably Physics)

Contact

calum.macdonald@cityofglasgowcollege.ac.uk

HNC Engineering: Mechanical

About this course (SCQF 7)

This one year course gives you the skills, knowledge and understanding that you'll need for a career in mechanical engineering. You'll be able to use facilities at the college - such as our fully-equipped engineering workshop, pneumatic and hydraulic training rigs and computer labs running CAD software.

What you need

- NC in an appropriate Engineering subject, OR
- Two Higher Grades - Maths and one other (preferably Physics)

Contact

gareth.dunn@cityofglasgowcollege.ac.uk

HND Engineering: Electrical

About this course (SCQF 8)

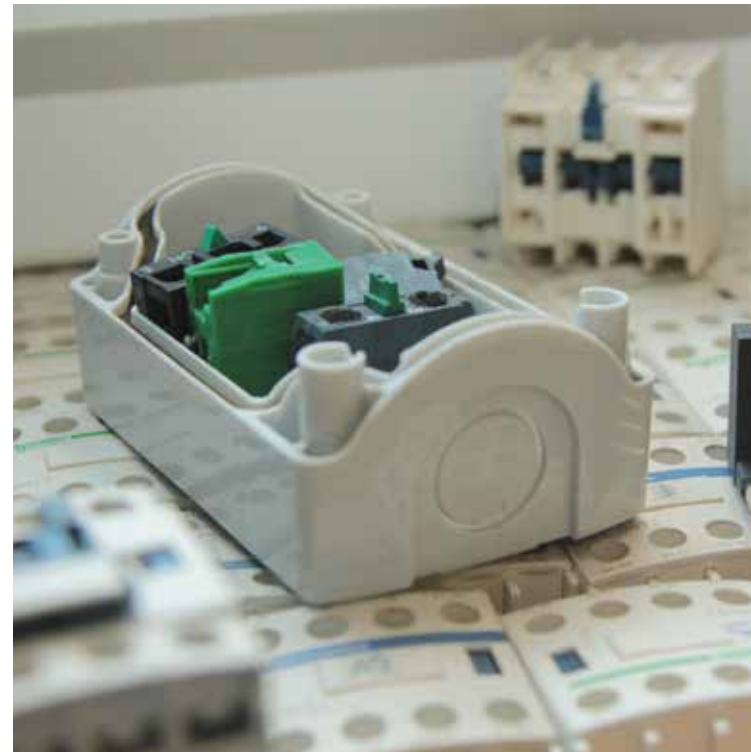
This two year course expands on the material covered in the first year of the HNC. The course is designed for higher level technicians in the electrical engineering industry which deals with the production, transmission, distribution and application of electricity and the manufacture, installation and maintenance of electrical equipment.

What you need

- HNC in an appropriate Engineering subject, OR
- Two Higher Grades - Maths and one other (preferably Physics)

Contact

calum.macdonald@cityofglasgowcollege.ac.uk



HND Engineering: Mechanical (with Renewables)

About this course (SCQF 8)

This two year course is designed for people who want to study mechanical engineering to a professional standard. Graduates from the course typically go to university or move into industry in a supervisory or management role. This course involves the use of the College's extensive engineering equipment which includes a fully-functioning workshop and computer labs running CAD design and hydraulic Pneumatic software, Practical Renewable Energy Project, Engineering Workshop Skills.

What you need

First year

- NC in an appropriate Engineering subject, OR
- Two Higher Grades - Maths and one other (preferably Physics)

Direct entry to second year

- HNC Mechanical Engineering

Contact

bill.anderson@cityofglasgowcollege.ac.uk



NC/HNC Marine Engineering

About this course (SCQF 5 & 7)

The aim of the course (approx. three years) is to provide training and qualifications necessary for employment in the Merchant Navy as an Engineering Officer of the Watch. At time of writing, successful completion of the course will give full exemptions to MCA examinations for academic subjects at Class 2, however this may change with the introduction and implementation of STCW10.

What you need

- Shipping Company Sponsorship (initially applications should be made to a shipping company or training provider)
- 3 Standard Grades at Credit Level (including Mathematics, Physics or Technological Studies) or National Qualifications in Mechanical Engineering

Contact

john.gordon@cityofglasgowcollege.ac.uk

HND Marine Engineering for Cadets from Overseas Colleges

About this course (SCQF 8)

The course offers provision for students studying at our affiliated colleges in India, Pakistan and Angola who wish to follow a sea going career. The first phase of the course is at an overseas college and thereafter at City of Glasgow College. Successful attainment of all elements of the course will give full exemptions for MCA examination academic subjects at Class 2 and Class 1.

What you need

- Qualifications equivalent to Scottish Qualification Authority (SQA) Highers that include Mathematics, Physics, Technological Studies or another science based subject all at level B or above
- An English language qualification will be a distinct advantage
- The International Department of the City of Glasgow College can offer qualification matching services if required

Contact

barry.keenan@cityofglasgowcollege.ac.uk
ghayoor.abbas@cityofglasgowcollege.ac.uk



HND Marine Engineering Top Up

About this course (SCQF 8)

The aim of this course is to offer those students who have successfully completed the NC/HNC Marine Engineering programme the opportunity to attain an HND in Marine Engineering. Successful completion of the course will give full exemptions to MCA examinations for academic subjects at Class 2 and Class 1.

What you need

- Successful completion of the NC/HNC in Marine Engineering cadetship programme

Contact

john.gordon@cityofglasgowcollege.ac.uk

Scottish Professional Diploma in Marine Engineering

About this course (SCQF 8 & 9)

The aim of the course is to provide a higher qualification that is recognised not only within the marine industry but also by shore based employers. This is achieved by combining an HND in Marine Engineering with a PDA in Marine Management and by the higher level of mathematics studied. Successful completion of the course will give full exemptions to MCA examinations for academic subjects at Class 2 and Class 1.

What you need

- Shipping Company Sponsorship (initially applications should be made to a shipping company or training provider)
- Minimum 120 UCAS points to include, Higher Mathematics and Physics at level B and Standard Grade English at Credit level or better

Contact

nicola.laing@cityofglasgowcollege.ac.uk