

HNC Measurement & Control (SCQF Level 7)

Full-time*

* Also available on a part-time basis. For more information visit nescol.ac.uk/courses or pick up a Part-time Course Guide.

Where can I study?

Location	Duration	Course code
Fraserburgh Campus	1 Year	RCCM

Introduction to the course

This course will develop your analytical and practical skills in Measurement and Control Engineering when it comes to maintenance, servicing, installation, testing, commissioning and operation. You will also develop a high level of competence in research, planning and analysis, ensuring you are well equipped to progress to a higher level of study or employment in a range of industries – from oil and gas to energy, chemicals, food and drink.

Entry requirements

Applicants should have Higher Maths (Grade A or B) and one other Higher in English or a related technology/science qualification (Grade A or B) or successful completion of NC Measurement & Control Engineering or NC Electronics at SCQF Level 6, Including Technician 2 Maths units.

A Foundation Apprenticeship in any subject area will be considered equivalent as one unrelated Higher for entry to this course.

What subjects will I be studying?

This course will allow you to strengthen your communication and IT skills, whilst developing specialist knowledge and capabilities. Subjects include:

- Communication
- Complex Control Systems
- Distributed Control Systems
- Information Technology
- Mathematics
- Measurement Systems
- Programmable Logic Controllers
- Process Control

Assessment methods

Units will be continually assessed throughout the year. Results of formative and summative assessments will be evaluated and discussed. There will also be a nationally set Graded Unit exam.

Dress code

Parts of this course will take place in a practical environment for which appropriate Personal Protective Equipment (PPE) provided must be worn.

University links

North East Scotland College has links with a wide range of universities from across Scotland. Every one of our HND level courses has articulation opportunities where you could progress from your chosen course to a related university degree, subject to conditions. This is an excellent option for those who may want to come to College at an introductory level, and then work their way towards degree level study.

[Find out more about our associate universities](#)

Employment

Employment opportunities are widespread in the process/engineering industries, with instrument technician roles available in areas such as oil and gas, food and drink, energy and chemicals.

Useful contacts

Head of Faculty:

Kevin Bruce

Head of Faculty, Engineering & Construction, Fraserburgh Campus

Email: kbruce@nescol.ac.uk

Curriculum Manager:

Malcolm MacLeod

Curriculum Manager, Fraserburgh Campus

Email: mmacleod@nescol.ac.uk

Academic Tutor

Once you come to College you will be allocated an academic tutor, who will be your initial point of contact. You will meet your tutor at least once a term during tutor hour — they are also the person to go to for the following:

- **Induction:** You will be invited to come in the week before your course starts for your induction. Your tutor will cover key aspects of life at the College to make sure you are well prepared for your NESCol experience.
- **Initial support:** Your tutor is the first point of contact for academic, personal and social support.
- **Attendance:** Your attendance and progress while you are at college, will be monitored by your tutor.
- **Additional support needs:** If you have indicated that you have additional learning or support needs, speak to your tutor who will refer you to the Student Advice and Support team for needs assessment as soon as practically possible.
- **Transitions:** your tutor will keep you informed of the many activities and events organised by the College to support you with career choices, employability, enterprise and articulation guidance and advice.

Student Advice Centre

The Student Advice Centre is your one stop shop for all information and support during your time at NESCol. Staff based within the centre provide impartial and confidential information and advice on a range of issues including:

- Applications and course advice
- Funding and money management
- Careers, employability and enterprise
- Transitions to college and university
- Key Skills and Study Skills support
- Additional Support for Learning
- Assistive technologies

- Mental health and wellbeing advice
- Care Experienced and Corporate Parenting
- Tier 4 and international admissions

Learning Resources

My NESCol

My NESCol is the College's student web portal that will provide you with on-demand access to all of the links, news and services that you will use once you have enrolled. It's accessible via any computer, and as an Android or Apple app. It's easy to use, and you can even receive important alerts on your device!

Blackboard

Blackboard is the Virtual Learning Environment system used in the College, where you can find a host of useful information and access your courses online. It will be the main platform that your lecturers will use to make resources available to you including interactive materials, videos, assessments and feedback.

IT HelpZone

The IT HelpZones are run by students, for students, and there are helpdesks located in main social areas at the Aberdeen and Fraserburgh Campuses, and a dedicated helpline at our Altens Campus. You can drop in, email or telephone for assistance.

Library+

Each Library offers thousands of resources for study, including books, journals, e-books, e-journals and magazines — all relevant to the courses on offer at the campus in which they are situated. They also offer quiet, silent, individual, and group study facilities.

Bring Your Own Device (BYOD)

NESCol believes that your learning and teaching experience at College can be enhanced significantly by use of a mobile device, such as a tablet or a laptop. For this reason, many students are required to bring a device with them to College. This initiative is known as Bring Your Own Device (BYOD) and its aim is to provide learners with a more bespoke and student-centred learning experience.

Digital Skills Space

Located within each Library Plus facility you will find a dedicated Digital Skills Space, featuring Bring Your Own Device (BYOD) workspaces and dedicated desktop PC work areas. These spaces are also used to deliver core IT teaching, drop-in IT support and scheduled digital skills workshops. You can also use these spaces for flexible access to PCs during Library+ opening hours.

College Calendar

Have a look at our [College Calendar](#) for further information on key dates throughout the year.

Disclaimer: Please note that the information put forward in this course specification document is subject to change at any time, and without prior notice. We have taken every care to ensure that the information provided is as accurate and up-to-date as possible, but we are not liable for the content of or any omissions on this document. This includes any inaccuracies, errors or misstatements in the information/data presented.