

How to get on course...

Know the course you wish to do?



Complete an
Application Form
& return to the
Admissions Office

**Need more advice & guidance on
the options available?**

Make an
appointment with
our Careers Staff who
will help you to decide
your best options:
028 7127 6080/8706



north west
regional college
Derry/Londonderry • Limavady • Strabane

A GUIDE TO SCIENCE COURSES



SCIENCE AT NORTH WEST REGIONAL COLLEGE

The past 12 months has witnessed a tremendous growth in students attending courses in the science areas at our College. Exciting new courses have been developed allowing students the opportunity to consider careers such as Forensic Scientists, Pharmacists & Senior Lab Technicians, Teachers, Assistants and many more. Our learning resources are industry-standard, and we share our expertise with local employers who, in turn, provide fantastic work placement opportunities for our students. These opportunities enable students to realise their full potential, with many progressing to undergraduate study in local universities, while others use their work placement to secure positions of full-time employment.

WHY CHOOSE SCIENCE

By studying Science, you will gain knowledge and skills that can help you broaden your understanding of the world around you; influence and develop accepted scientific knowledge; approach most matters in a reasoned and analytical manner; develop real solutions to real problems; find remedies for challenges that face our world; and have a positive impact on people's lives and the world. There is currently a shortage of people studying science subjects and it has been predicted that by 2014, 775,000 new roles will require science (also maths, technology and engineering) skills. This means there will be more opportunities available to you in the future.

SUPPORTING YOUR LEARNING & YOUR FUTURE

We are determined to give you the support you will need to ensure your study experience is smooth, enjoyable and rewarding. Our support teams will provide the necessary guidance and information you may need, and can guide you on areas such as financial assistance, student accommodation and health & pastoral care. They will also help you apply for any available funding which can assist your studies - grants, bursaries, loans and access funds.

We welcome applications from students with a variety of learning abilities and difficulties. Please note; Applicants with a disability, special needs or a medical condition should inform the College, of these difficulties,

on their application form.

Our Careers Service provides a comprehensive careers guidance service to all students. Qualified staff can help with CV building, completion of university and job applications, career planning, and course progression options.

STUDENT PROFILE



Spent a few years out of education and was looking for a course tailored for mature students when I came across the Access Diploma in Science and decided to give it a go. I'm a few months into it now and can honestly say that it was one of the best decisions I ever made.

James Burns
Access Diploma in Foundation Studies (Science)

Limavady native, Amy Dixon, who after completing the Health & Social Care with Applied Science course at North West Regional College has progressed onto University of Ulster's BSc Human Nutrition course.

Amy Dixon
GCE A Level Applied Science



STAFF PROFILE

Terence McIvor

Bsc(Hons)DIS, PGCEdTech, PGCEd, Msc EdTech, PhD(ChemEd), PGDEd, MBCS, FAIC, MACS.

Hugh Keys

Bsc(Hons) Biochem, PGCE

Elvin Love

Bsc(Hons), Msc(Biol), MIBiol

Kevin Murray

Msc(Elect), Msc

Tom Bradley

Bsc(Phys)

LEVEL 2 DIPLOMA in APPLIED SCIENCE (or L2 CERTIFICATE or L2 EXTENDED CERTIFICATE)

(Full-time or Part-time)

Location:

Strand Road Derry/Londonderry

Duration & Entry:

1 year; 2 GCSEs D-F & interview

This new Level 2 course covers the key knowledge and practical skills required in the applied sciences vocational sector. It is broadly equivalent to 4 GCSEs and covers the Key Stage 4 Programme of Study for Science. Units of study will include mandatory units in Chemistry and Our Earth; Energy and Our Universe; Biology and Our Environment; as well as optional units including Chemical Substances; Physical Science; Working in a Science-Based Organisation; The Living Body; Monitoring the Environment; Investigating a Crime Scene; Science in Medicine; Using Mathematical Tools in Science; Electronics in Action. Upon Completion, students can progress to Level 3 courses in related science /applied sciences areas.

LEVEL 3 EXTENDED DIPLOMA in FORENSIC SCIENCE (or L3 EXTENDED CERTIFICATE)

(Full-time or Part-time)

Location:

Strand Road Derry/Londonderry

Duration & Entry:

2 years; 4 GCSEs at grades A*-C; 1st Certificate or Diploma in a related subject; Intermediate GNVQ in a related subject; or equivalent

This course can prepare students for employment or university study in the forensic science/ science fields. Examples of course units include: Fundamentals of Science; Working in the Science Industry; Scientific Investigation; Scientific Practical Techniques; Perceptions of Science; Application of Numbers for Science Technicians. The range of specialist

THE COURSES

units includes Mathematics for Science Technicians; Using Science in the Workplace; Physiology of Human Body System; Criminology; Physiology of Human Regulation and Reproduction; Genetics and Genetic Engineering; and Forensic Fire Investigation. Students can progress onto Higher education courses including HND or Honours Degree, while others may progress within their occupation or employment position also.

NATIONAL CERTIFICATE in PHARMACY SERVICES

(Part-Time)

Location:

Strand Road Derry/Londonderry

Duration & Entry:

2 years; 4 GCSEs at Grade C or above (including Maths, English Language and one Science subject), or equivalent. Applicants should be employed in a relevant occupation.

The main aim of this course is to prepare students for employment or University in the Pharmacy/ Pharmaceutical Science fields. Students will study core units including Scientific Principles for Pharmacy; Pharmacy Law, Ethics and Practice; Cytotoxic, Endocrine and Nutritional Medicines; Pharmaceuticals. Three Specialist Units will be studied from the following: Pharmacy Practice; Pharmacy Production; Chemistry for Pharmacy; Scientific Method for Pharmacy Technicians; Students can progress onto Higher education courses including HND or Honours Degree, while others may progress within their occupation or employment position also.

ACCESS DIPLOMA in SCIENCE (Full-Time or Part-Time)

Validated by University of Ulster

Location:

Strand Road Derry/Londonderry

Duration & Entry:

1 year FT, 2 years PT; aimed at

those who are unemployed & aged over 19 years.

This popular access course enables adult learners to make a successful return to learning and focuses on study in Maths, Biology, Chemistry, Physics, IT and Communications. The course can lead to progression to HND Engineering and Construction programmes in our College, as well as progression to similar degree courses at university. Students can also seek employment with this qualification. Applicants must successfully complete an interview and an aptitude test to gain entry to the course, and also Life Science Degree's

FOUNDATION DEGREE in SCIENCE in APPLIED & MEDICAL SCIENCES

(Part-Time)

Location:

Strand Road Derry/Londonderry

Duration & Entry:

Two and Half Years; 1 'A' Level pass & 3 GCSE passes (Grade C or above) (inc Maths & English) or equivalent, or an Access Diploma in Science (pass or above)

The aim of this course is to provide vocationally relevant science education for those wishing to follow careers in applied and medical sciences, and for those who wish to work within the health and bio-medical sectors. Students will study - Skills for Applied and Medical Sciences; Introduction to Biology and Disease; Fundamentals of Chemistry; IT and Biostatistics; Physiology; Introduction to Safe Bio-analytical Practice; Professional Practice; Lab Skills and Safety; Cell Biology; Biochemistry and Human Nutrition.

Students can progress into the 2nd year of existing Honours Degrees at the University of Ulster, or begin to explore employment opportunities including Pharmacy Technician, Dietetics Assistants, Cardiology Technicians.