




Found **68** courses

With Course Type:

PLC (Further Education)

In Career Sectors:

Biological, Chemical & Pharmaceutical Science

Code	Course Title	College	Level	Points 2021	QQI Link?	Years
PLC 6M5153	Animal Science	Dunboyne College of Further Education	6			1 Year
<div>  <div> <p>Course Overview</p> <p>This award is designed to build on knowledge and skills achieved at level 5 to help learners progress into supervisory careers or into higher level options of study. Students will study; Animal Science and Health, Work experience, Communications, Animal behaviour, Canine obedience and training, Kennel and cattery management, Humans, animals and society and Animal grooming</p> <p>Career Opportunities</p> <p>None listed.</p> <p>Investigative</p> </div> </div>						
PLC 5M3807	Animal Science, Pre-University	Dunboyne College of Further Education	5			1 Year



Course Overview

This course would suit applicants with a passion for working with animals, a willingness to work hard and an interest in biology. Students will receive a solid foundation in Biology and basic Animal Science principles and practices while

studying modules within the animal care sectors such as Animal Anatomy and Physiology, Animal Behaviour, Animal Welfare and Biology. This course is an ideal base for students who intend to continue to study at higher education degrees in Veterinary Nursing, Bio-Veterinary and Animal Sciences.

Career Opportunities

Graduates from this course may access Vet Nursing degrees in major Institutes of Technology and UCD. TU Dublin also accept this course for entry to general Science and Bioscience degrees. Some students will progress to employment in Animal Behaviour, Dog Grooming, Animal Welfare, Stables, Kennels etc. Some students use this award to apply to a wide range of courses in the U.K..

Investigative

PLC
5M5267
5M3807

Applied Biology - Food Health & Nutrition

Colaiste Stiofain Naofa CFE

5



1 Year



Course Overview

The food and drink industry in Ireland is a very important indigenous industry, providing interesting and well paid employment. Consumers require attractive, convenient and safe food products that also offer health promoting benefits

and skilled scientists are required to manufacture and develop these products.

Skills and knowledge in areas such as science and technology, food safety and nutrition are the focus of this course. Throughout the course you will gain insights into the manufacture and the nutritional content of current food products, and how to develop new exciting innovative products.

Career Opportunities

The food and pharmaceutical industries are among Ireland's largest employers and have a large potential for employment.

Job opportunities for students who complete this course include:

- Laboratory assistants.
- Operators in food and pharmaceutical industries.
- Supervisor/manager in food retail outlets.
- Worker/supervisor in food preparation.
- Small food business operators.

Investigative

Naturalist

PLC
5M3807

Applied Science

Tullamore Further
Education Centre

5



1 Year



Course Overview

This full-time one year programme provides a solid foundation in General Science. The programme aims to provide both the knowledge and practical skills necessary to prepare learners for further studies in areas such as

Biomedical, Pharmaceutical, Environmental, Agriculture, Food, Nutrition, Biological, Forensic and Sports Science as well as Pharmacy Technician programmes.

Career Opportunities

The successful completion of the QQI Major Level 5 in Laboratory Techniques will enable applicants to source employment at an entry level in a science laboratory and work independently and/ or under supervision and apply a range of scientific theory and practice and use appropriate equipment to carry out specific laboratory experiments accurately including analysis of results.

Investigative

PLC

5M3807
CI061FO

Applied Science - Forensics

Cavan Institute

5



1 Year



Course Overview

Science is defined as any science which is used as evidence in a court of law. This course will provide participants with a broad knowledge of the core sciences and an understanding of the Irish legal system.

Students explore the fundamentals of forensic science, evidence collection and analysis. Students will gain skills in fingerprinting, exposing and lifting prints, analysing hair and fibres, casting foot and tyre prints, blood spatter analysis and DNA profiling.

Participants will develop useful skills through hands-on laboratory work as well as an appreciation of the concepts particular to forensics. Students will also develop skills in problem solving, organisation, team work, effective communication and the use of new technology, an important emphasis is placed on working safely.

Career Opportunities

Graduates of this course have a strong foundation in the skills required to obtain positions in laboratories or other science related areas such as biotechnology, pharmaceutical science, chemical and biochemical engineering.

Investigative

PLC

5M3807

Applied Science - Laboratory Techniques

Colaiste Stiofain Naofa CFE

5



1 Year



Course Overview

Ireland's pharmaceutical industry produces a wide range of products and services, from research and development of new medicines to the manufacturing and marketing of new medicines for humans and animals.

Personnel with scientific knowledge and laboratory analytical skills are essential for this industry sector.

The main focus of this course will be to enhance your scientific knowledge and laboratory skills in a range of applied science fields. This one-year full time course has assisted the majority of our past graduates in progressing to third level courses in Universities and IT's. It is also suitable for individuals who wish to enhance their chances of employment in the pharmaceutical industry.

Career Opportunities

The pharmaceutical industry is one of Ireland's largest employers and have a large potential for employment. Job opportunities for students who complete this course include: Laboratory assistants, Operators pharmaceutical industries.

Investigative

PLC
5M3807

**Applied Science - Laboratory
Techniques (Clash Road)**

Kerry College

5



1 Year



Course Overview

This programme provides an introduction to the world of science and covers a variety of subjects related to laboratory sciences. Upon successful completion of this course, you may be eligible to apply through the CAO and/or the Higher

Education Links Scheme for entry to a range of higher certificate and degree programmes at Institutes of Technology and Universities. There are progression options at Levels 6, 7 and 8 in a wide range of areas including general science, biotechnology, forensic science, pharmaceutical science, sports science, food science and many other related areas.

Career Opportunities

This course prepares learners for careers typically found in the following sectors:

- Chemical Industry
- Biopharma-Pharmachem
- Cosmetic Science
- Food and Beverages
- Physical and Mathematical Sciences
- Medical Devices, Education and Research
- Environmental Science
- Human Biology and Health
- Science Journalism and Business

Investigative

PLC
5M3807
CI061

**Applied Science - Nutrition
and Health**

Cavan Institute

5



1 Year



Course Overview

Nutrition is the branch of science that deals with nutrients and how we obtain them and their effects in the body. Good nutritional choices are important for good health and preventing disease. Knowledge of nutrition allows an individ-

ual to make informed choices about what foods they or their families should eat. An understanding of how food is produced and how it affects the body is important for many career paths. Nutrition is a growth area with jobs in a variety of fields for example food science, food production, sports science, health and fitness industries.

This course will prepare the learner for direct employment or for progression to third level and is accepted for entry to most science, food science, nutrition or health related courses in Ireland.

This course also includes maths, biology, chemistry, physics and IT skills. These subjects are common to all first year science qualifications and give students an advantage over students entering directly from leaving certificate.

Career Opportunities

Graduates of this course have a strong foundation in the skills required to obtain positions in laboratories or other science/health related areas such as biotechnology, pharmaceutical science, sports science, food science and general science industries.

Investigative

Social

PLC
5M3807
CI061PH

Applied Science - Pharmacy Studies

Cavan Institute

5



1 Year



Course Overview

Pharmacies also sell products such as baby care accessories, cosmetics, perfumes and health supplements. Sales of these products are becoming an increasingly important part of a pharmacy's income and graduates of this course will be well placed to recommend and sell such products, having studied modules in customer service and beauty therapy as part of this course. As a pharmacy assistant, you will work as part of a team of health professionals in order to help customers achieve the best possible health outcomes. Students of this course may also be offered the opportunity to complete the Medicine Counter Assistant award from the Irish Pharmacy Union (IPU).

Career Opportunities

Students who complete this course will graduate with a good mix of science, retail and customer service knowledge and skills. Graduates may obtain employment in local pharmacies, assisting the pharmacist to provide a complete care service to the community including health care advice, beauty and cosmetic tips, good customer service, retail display and sales skills.

Investigative

PLC
5M3807
AS1 X

Applied Science/Laboratory Techniques

Limerick College of Further Education

5



1 Year



Course Overview

This 1 year comprehensive programme provides a solid foundation in the laboratory sciences. The programme aims to provide both the knowledge and practical skills necessary to prepare learners for further studies leading to a career in science.

Career Opportunities

- Award holders will have the knowledge, skills and competencies necessary to access Science-based programmes.
- Progression opportunities at Level 6 to 9 exist in a wide range of employment areas such as Agriculture, Biotechnology, Environmental Science, General Science, Medical Science, Food Science & nutrition, Pharmaceutical and Sports Science.

Investigative

PLC
5M3807

Applied Sciences

Carlow Institute of Further
Education and Training

5



1 Year



Course Overview

The science industries are one of Ireland's fastest growing sectors, with job opportunities out-stripping supply of graduates. Our Applied Sciences course is an ideal foundation, providing a platform to a wide range of careers including

Bio-pharma, agri-science, chemistry and microbiology. You can progress to Higher Education and to many careers both in commercial and research science.

You'll study a wide range of science subjects, and applied laboratory skills, helping you gain practical insights as well as firm theoretical knowledge. For those wishing to progress to Higher Education, this foundation will give you the edge when you progress to degree level study.

Career Opportunities

- Agri-science
- Biochemical engineering
- Biopharma
- Biotechnology
- Chemical engineering
- Clinical researcher
- Laboratory assistant
- Pharmaceutical science

Investigative

PLC
5M3807

**Biomedical & Pharmaceutical
Science**

O'Faich Institute

5



1 Year



Course Overview

This course provides learners with the practical skills, knowledge and experience to progress in this exciting and growing field. The course provides learners with an introduction to laboratory skills, medical terminology,

sterilisation practices and chemistry through practical laboratory work. This allows learners to develop the knowledge, skills and techniques required for work in modern health sciences or alternatively as a pathway to various related degree programmes.

Career Opportunities

Graduates can progress to employment in various roles including:

Pharmaceuticals Production and Quality Assurance | Biomedical Science Technician | Bioscience Technician | Laboratory Technician | Local Authority Environmental Scientist | Food Science Laboratory Analyst

Investigative

PLC
HND

Biotechnology

Colaiste Dhulaigh College
of Further Education

6



2 Years



Course Overview

This 2 year course offers students the opportunities to develop the necessary scientific skills and knowledge required for the Biotechnology sector. Students will gain critical skills in Bioanalysis, Biotechnology, Industrial Microbiology, Cell and Molecular Biology and Environmental Monitoring.

Career Opportunities

Upon completion of the course students can gain advanced entry to Year 3 of the BSc (Level 7 degree) in Biomedical Science at the Institute of Technology Sligo. Students who complete Year 3 of the BSc (Level 7 degree) in Biomedical Science may progress, subject to satisfactory progression grades, into Year 4 of the BSc of the Medical Biotechnology Level 8 degree.

Students may also gain advanced entry to Year 2 of the BSc in Biosciences (Level 7) at TU Dublin, as well as advanced entry to Level 7 and 8 courses in other Universities and Institutes of Technology across the country.

After completing the Higher National Diploma, students can also progress directly into employment. The skills offered as part of the Pearson BTEC Higher National Diploma in Biotechnology can provide graduates with the opportunity to work in a technician role in many different areas of the Biotechnology and Applied Sciences sector.

Investigative

PLC

5M5267 HZ

Dietetics, Nutrition & Food Science

Bray Institute of Further
Education

5



1 year



Course Overview

In order to respond to the current needs of the food industry this Food Science and Nutrition course aims to educate students in a comprehensive range of disciplines including scientific, culinary and technological areas, in order to

meet with the requirements of nutritional and functional food industries. Students will learn the fundamental knowledge of food science and the importance of food safety and nutrition in bringing a product to market.

As a food scientist, you are involved in all aspects of product development. The ultimate goal of this programme is to ensure that students get practical hands on experience of the food industry and gain key transferable skills. This course is ideally suited for students who are interested in preparing for a career and/or further education in agriculture, food or science.

Career Opportunities

This practical course will allow graduates to potentially set up their own food business or apply for employment in the agri-food industry for positions in food production and management, quality assurance, food research or food innovation and product development.

Investigative

Naturalist

PLC
5M5028

Ecology - Applied

Waterford College of
Further Education

5



1 Year



Course Overview

This exciting new course is designed to examine the impact of issues such as climate change and global habitat degradation, with a view to providing a grounding in future-proof, sustainable environmental practices. You will ac-

quire a broad base of knowledge in ecological sustainability, conservation and biodiversity, including theoretical concepts and best practices relating to ecosystems. You will learn:

- How to collect data when monitoring and maintaining ecosystems,
- How to examine plant and animal characteristics in the environment
- How to measure and report on land and water pollution
- How environmentally-sound landscape management can alleviate the issues associated with modern urban and rural development.

If you wish to pursue further study in Environmental Science or if you wish to change your community through involvement in local environmental groups, this course provides a firm grounding for further work in sustainability and environmentalism.

Career Opportunities

- Environmental Protection and Conservation
- Environmental Protection Agency
- Natural Resources, Heritage, Environment and Land Use Management
- Monitoring Compliance with Environmental Regulations
- Waste and Natural Resource Management
- Pollution Monitoring
- Environmental Impact Assessments

Investigative

Naturalist

PLC
5M3807

**Environmental Science, Pre-
University**

Dunboyne College of
Further Education

5



1 Year



Course Overview

This one-year course introduces students to the core science modules Physics, Chemistry and Biology along with Mathematics and Environmental Science. The skills and knowledge gained, while studying these subjects, will be invaluable.

able to those seeking to pursue a career in renewable energy, environmental consultancy, waste management, wildlife trusts, nature reserves and parks. It is an excellent introduction for students who wish to progress to third level courses in this area.

Career Opportunities

Graduates of the Environmental Science QQI Award can progress to many degree courses including Environmental Science and Environmental Health at several universities and IT's including DCU and TU Dublin City Campus. Students can progress onto the Level 8 QQI award in Planning and Environment at TU Dublin City Campus and Sustainable Energy at TU Dublin Tallaght. Future areas of employment can include Environmental Scientist, Environmental Engineer, Conservation, Environmental planning. Many graduates seek direct employment within the sector.

Investigative

PLC
5M5267

Food & Bio Sciences

Pearse College of Further
Education

5



1 Year



Course Overview

This Food & Bio Sciences course is aimed at students who want to develop their knowledge of food science and nutrition. It will focus on the relationship between food and health and the study of food from a scientific viewpoint.

Career Opportunities

This course is suitable for learners who intend to continue their studies in a third level educational institute. Successful graduates, through the Higher Education Links Scheme, may work towards a diploma or degree in nutrition, science or related areas. It also serves as a useful stepping stone to a career in health care or catering.

Investigative

Naturalist

PLC
5M5267

Food Science

Whitehall College of Further
Education

5



1 Year



Course Overview

This programme is aimed at giving students who are interested in working in the food industry knowledge of what is in our food and how food is produced.

Career Opportunities

None listed.

Investigative

Naturalist

PLC
5M3807

Food Science & Health

O'Faich Institute

5



1



Course Overview

This course is suitable for students who are interested in preparing for a career as a food scientist and/or further education in food, science or agriculture

sectors. A food scientist applies their knowledge of biology, chemistry and engineering to develop and improve foods and has a role to play in all aspects of the food chain from production to processing, storage and marketing. The course also provides students with the necessary skills to gain employment in the food industry.

Career Opportunities

None listed.

Investigative

Naturalist

PLC
5M3807

Food Science and Nutrition

Monaghan Institute

5



Course Overview

This one-year course is suitable for learners who are interested in preparing for a career as a food scientist and/or in progression to third level education in the food, science or agriculture sectors. This programme aims to equip learners with the scientific and practical knowledge and skills to work in a laboratory in the food industry. Learners will develop practical laboratory skills and carry out a range of laboratory and scientific tests that will support the theory and scientific knowledge of the modules they study.

Career Opportunities

Food Science Technicians work independently or provide technical support in laboratory analysis, food product development, processing, food microbiology, research or quality assurance.

Investigative

Naturalist

PLC
5M3807

Food Science and Nutrition: Pre-University Science

Dun Laoghaire Further
Education Institute

5



1 Year



Course Overview

This course is suitable for students who are interested in preparing for a career as a food scientist and/or further education in food, science or agriculture sectors. A food scientist applies their knowledge of biology, chemistry and

engineering to develop and improve foods and has a role to play in all aspects of the food chain from production, to processing, storage and marketing. The food industry, Ireland's largest industry, with Irish food companies being amongst the most successful in the world, employing up to 230,000 is expected to grow. This sector needs highly qualified graduates with a clear understanding of food, nutrition, health and their interrelationships.

Career Opportunities

Students should use this course as a stepping stone in order to obtain a high level qualification in the progression areas listed below. Alternatively students may seek immediate employment in a range of companies and projects that seek graduates with a science aptitude. Career opportunities such as food technologists, food scientists, microbiologists, food safety consultants, technicians, food engineers, laboratory assistants and product development managers exist for graduates who complete further or higher education qualifications.

Investigative

Naturalist

PLC
5M3807

Forensic Science & Criminology

Drogheda Institute of Further Education

5



1 Year



Course Overview

Biopharma is one of the largest industrial employers in Ireland with many of the largest biopharma multinationals operating here. This programme is designed to develop skills and competence to work as a laboratory scientist. It delivers core science modules and fundamental practical skills training. The primary focus of the course is to provide a foundation in pharmaceutical studies.

Career Opportunities

Graduates from this course may gain entry to a range of specialist related degrees programmes in:

UCD

DCU

TCD

TU Dublin

Maynooth University

Investigative

Realist

PLC
5M3807

Forensic Science, Pre-University

Dunboyne College of Further Education

5



1 Year



Course Overview

This one-year course will introduce students to the basic principles of forensic science. Students will participate in laboratory work, with a particular focus on how evidence is collected and analysed for use in legal cases. Participants will

gain a knowledge of the link between the sciences and how these are put to use in the Irish legal system.

Career Opportunities

Graduates may pursue degree courses such as Digital Forensics and Computer Forensics at TU Dublin Blanchardstown or Waterford Institute of Technology. Students can progress onto the Level 8 QQI award in Applied Social Studies at TU Dublin Blanchardstown. Graduates may also progress onto many other degrees at Level 7 and 8 in Universities and IT or private colleges around the country, along with progression options to the UK. Future areas of employment can include Forensic Medical Examiner, Forensic Engineer, Crime Scene Investigator, Crime Laboratory Analyst. Alternatively, students may progress directly into employment. Graduates of a Level 7 degree may progress to employment with Forensic Ireland.

Investigative

PLC

5M3807 HS **Forensics - Applied Science**

Bray Institute of Further
Education

5



1 Year



Course Overview

This course will provide participants with a broad knowledge of the core sciences and an understanding of the Irish legal system. Participants will develop useful skills through hands on laboratory work as well as an appreciation of

the concepts particular to forensics.

Students will also develop skills in problem solving organization, team work, effective communication and the use of technology. These skills are relevant to a wide variety of industries and professions including in an Garda Síochána, the Defence Forces, State Laboratory and the forensic science laboratory.

Career Opportunities

- Pharmaceutical research
- Laboratory Technicians
- Clinical trial monitoring
- Medical research
- Chemical Engineering
- Biochemical Engineering
- Biotechnology

Investigative

PLC
5M3807

Forensics Applied Science

Colaiste Ide College of
Further Education



1 Year



Course Overview

This course provides an opportunity for you to investigate your interest in Forensics and Investigative Sciences.

It will allow you to awaken your inner scientist with modules in Chemistry, Maths, Biology, Anatomy and Laboratory Skills.

The study of Forensics, Criminal Law and Criminology is an excellent preparation for application to An Garda Síochána, the Defence Forces, forensic science laboratories and the State Laboratory.

Work Experience is included to give participants an opportunity to explore their preferred area of future study in investigative sciences or forensics.

Extensive careers advice and advice on higher education opportunities is an integral part of the programme.

Participants will be facilitated in investigating their personal strengths and talents and receive one-to-one guidance to ensure they achieve optimum outcomes from this innovative programme.

Progression Routes Include:

DC202 Sports Science - DCU
DC175 Physics General Entry - DCU
DC203 Science Education - DCU
TU736 Sports Science Health - TU Tallaght
CW106 Physiology and Health Science - Carlow IT
CK707 Medical and Health Sciences - UCC

In addition to many other links, including:

TU851 Analytical Chemistry - TU City
TU572 DNA and Forensics Analysis - TU Tallaght
WD150 Criminal Justice Studies - WIT
LC267 Pharmaceutical and Forensic Science - Limerick IT
LC265 Pharmaceutical and Forensic Analysis - Limerick IT
TU578 Digital Forensics and Cyber Security - TU Blanch
GA786 Forensic Science and Analysis - GMIT
SG448 Forensic Investigation and Analysis - IT Sligo

Career Opportunities

None listed.

Investigative



Course Overview

The Irish food industry is very important to the Irish economy. Irish food companies are becoming some of the most successful food entities in the world. There are currently over 150,000 people employed in this sector. This course is ideally suited for students who are prepared to enter a career in agriculture, food or science. The course also gives a solid introduction to Food Science and Technology for students who wish to pursue a Food Science Degree in Universities and Institutes of Technology both here in Ireland and abroad

Career Opportunities

The majority of students progress to Food Science Degree programmes in Universities and Institutes of Technology both here in Ireland and abroad. This practical course also enables students to apply for employment in the agri-food industry or potentially to start their own business. Graduates can apply for a range of science and non-science Degree courses in:

- UCD
- DKIT
- IT Carlow
- UCC
- IT Sligo
- TU Dublin City Campus - Environmental Health, Nutraceuticals in Health & Nutrition, Food Innovation, Science or Pharmaceutical Healthcare

Investigative

Naturalist

PLC
5M3807

Human Health Performance

Colaiste Ide College of
Further Education

5



1 Year



Course Overview

Colaiste Ide is offering an innovative Pre-University Level 5 Human Health Performance Programme starting September 2020. This course has been designed in conjunction with universities, based upon the QQI entry requirements

for science-based degrees.

The direct benefits to you as a student in completing the Human Health Performance Programme is that it will enable you to gain knowledge and skills required to apply to university courses that lead to careers in the sports technology industry.

The sports technology industry has been growing at a fast pace worldwide and Ireland is home to a number of head offices for sports tech companies. The Human Health Performance Programme at Colaiste Ide gives you a solid foundation in human science that is vital to securing a career in sports tech.

Laboratory Skills and Physics modules give you a fantastic grounding in knowledge to send you on your way to an industry that is built off finding performance solutions. Researching and appraising data is how the sports tech industry delivers performance improvement for sports professionals and amateurs alike.

Extensive careers advice and advice on higher education opportunities is an integral part of the programme. Participants will be facilitated in investigating their personal strengths and talents and receive one-to-one guidance to ensure they achieve optimum outcomes from this innovative programme.

Career Opportunities

None listed.

Investigative

Social

PLC
5M3807

Laboratory Assistant

Dungarvan College

5



1 Year



Course Overview

This programme is designed to give students the knowledge and practical skills necessary to prepare them for both employment and further studies in a science related field. The programme will also allow students the opportunity

to do work experience in a laboratory environment where they can experience the job of a laboratory technician. This programme is also ideal for students who are considering further studies in such areas as Biological and Chemical Science, Food Science and Genetics.

Career Opportunities

Graduates of this programme should be able to access laboratory technician jobs in both science and pharmaceutical sectors eg Eurofins in Dungarvan. Graduates of this programme can also access reserved places on a competitive basis for further college studies under the QQI Progression Links Scheme.

Investigative

PLC
5M3807

Laboratory Assistant - Traineeship

Monaghan Institute

5



1 Year



Course Overview

CMETB in conjunction with a number of industries have collaborated to develop a traineeship as an introduction to science and skills required to work in a laboratory, food production, quality control or science-related environment. The science sector plays a major role in Ireland's economy, with many of the world's top companies operating bases in the country. One of the reasons these companies have been attracted to Ireland is the skilled and educated young workforce. This traineeship is suitable for learners who are interested in gaining skills necessary for working in laboratories and develop a strong foundation in Science.

Career Opportunities

Graduates of this course have a range of laboratory skills needed to work in Laboratories or in other science related areas. Successful graduates have the opportunity to secure employment locally with Monaghan Mushrooms or other science/research laboratories.

Investigative

PLC
5M3807

Laboratory Technician/Analyst (Pre- Apprenticeship)

Pearse College of Further
Education

5



1 Year



Course Overview

The purpose of this award is to enable the learner to acquire the knowledge skill and competence to work independently and under supervision in a science laboratory and to progress onto a Laboratory Technician


Apprenticeship or a Laboratory Analyst Apprenticeship. Learners can also progress to a range of courses in higher education and training. Please see careersportal.ie for further information

Career Opportunities

On completion of this Programme, learners may pursue a variety of roles in the biopharma, cosmetic science, food science, physical and mathematical sciences, medical devices, education and research, environmental science, human biology and health sectors.

Work placement / work experience may be a core feature/element of programmes in this field facilitating the enhancement of employability and transversal skills.

Investigative

PLC 5M3807	Laboratory Techniques	Waterford College of Further Education	5		1 Year
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Course Overview

The aim of the course is to provide the learner with an introduction to the world of science and will cover a variety of subjects related to the laboratory sciences. The learner will gain the knowledge, skill and competence to work independently and under supervision in a science laboratory or to progress to further or higher education.

Career Opportunities

Graduates are eligible to apply through the CAO and/or the Higher Education Links Scheme for entry to a range of higher certificate and degree programmes at both Universities and Institutes of Technology. There are progression options in a wide range of areas including general science, biotechnology, forensic science, pharmaceutical science, sports science, food science and many other related areas.

Investigative

PLC 5M3807	Laboratory Techniques	Central Technical Institute Senior College	5		1 Year
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Course Overview

Learners are equipped with extensive knowledge, skill and competence to work independently and under supervision in a science laboratory. Learners will take responsibility for the appropriate and safe use of laboratory equipment

including cleaning, storing and organising equipment. Learners will demonstrate an awareness of social, ethical and legal issues in conducting experiments. Learners will carry out specific experiments and apply a range of scientific theory and practice to a laboratory context.

Career Opportunities

Career prospects include: Hospital laboratories, Chemical Laboratories, Quality Control etc.

Investigative

PLC
5M3807

Laboratory Techniques - Pre-University Science

Dun Laoghaire Further Education Institute

5



1 Year



Course Overview

This hands-on laboratory skills course provides an introduction to the world of science and covers a variety of subjects related to laboratory and physical sciences. The purpose of this award is to enable the student to acquire the knowledge, skill and competence to work independently and under supervision in a science laboratory and or to progress to science based programmes at third level. Regular field trips and visits from guest speakers are key features of this course.

Career Opportunities

This course prepares students for careers typically found in the following sectors: chemical industry, biopharma-pharachem, cosmetic science, food and beverages, physical and mathematical sciences, medical devices, education and research, environmental science, human biology and health, science journalism. Students may seek employment in many other types of companies such as business, requiring an aptitude for science.

Investigative

PLC
5M5267

Nutrition & Dietetics

Whitehall College of Further Education

5



1 Year



Course Overview

This programme introduces students to the topical and developing area of nutrition and dietetics. By combining theory and practice (students will be required to attend a Work Placement during the programme) it is aimed to give

students broad based, relevant knowledge in this vast area of study.

Career Opportunities

Students seeking employment in the nutrition and dietetics area e.g. health food outlets, or outlets in specialist nutrition. Graduates may also be eligible to apply for places in Third Level Colleges through the Higher Education Links Scheme.

Investigative

Social

PLC
5M5267

Nutrition, Dietetics & Food Science

Sligo College of Further Education

5



1 Year



Course Overview

This Nutrition, Dietetics and Food Science course is aimed at students who want to develop their knowledge of Nutrition, Health Promotion & Food Science. The applied nature of this programme focuses on the relationship between food and health and the study of food from a scientific view point. This course provides successful students with the knowledge, competency and entry requirements necessary to access numerous science based programmes at Third level colleges throughout Ireland. The course also provides students with the necessary skills to gain employment in the food industry.

Career Opportunities

THIS COURSE IS DESIGNED TO

- Prepare participants for specialised degree programmes in Nutrition, Health Promotion & Science courses in Higher Education Colleges throughout Ireland, progression routes in the North West include IT Sligo & St. Angelas college, Letterkenny IT and GMIT.
- Enable the learner to acquire the knowledge, skills and competence to independently analyse, quantify and report on the physical, chemical and biochemical nature of foods and the principles of Nutrition, Health Promotion and Food Technology.
- Gain practical knowledge and competence in applied work practices including adherence to health and safety procedures in the workplace.

Investigative

Naturalist

PLC
5M2162

Pharmaceutical Manufacturing Operations

Dungarvan College

5



1 Year



Course Overview

The programme will introduce students to many of the aspects of a manufacturing plant. Students will also do work placement in GSK Dungarvan. As a result of the work placement and studying such topics as quality control, health and safety, continuous improvements in manufacturing and science skills, graduates will be very employable and improve their chances of securing a job in any manufacturing business. Students on this programme do their work placement in GSK Dungarvan.

Career Opportunities

None listed.

Realist

Investigative

PLC
5M4468

Pharmacy Assistant

Waterford College of
Further Education

5



1 Year



Course Overview

A full-time course offering comprehensive training for participants interested in working in the Retail Pharmacy Sector. Students will gain a knowledge of science based subjects, IT skills, 'Over the Counter Medicines' and customer service experience.

Career Opportunities

- Pharmacy Healthcare Advisor
- Cosmetic Sales Assistant
- Pharmacy Field Sales Representative
- Pharmacy Store Manager
- Medical Counter Assistant.

Administrative

Investigative

PLC
5M4468

Pharmacy Assistant

Dunboyne College of
Further Education

5



1 Year



Course Overview

This new one year course would equip learners with relevant knowledge and experience to work as a pharmacy counter assistant or pursue a pharmacy technician qualification in the future. From dispensing over the counter

medications, helping clients choose medical aids and appliances to demonstrating and selling products this course covers the most relevant skills. This course will also focus on a range of health related subjects relevant to employment as a pharmacy assistant. Work Experience is within a retail pharmacy where as a pharmacy assistant, you can work as part of a team of health professionals in order to help customers achieve the best possible health outcome.

Career Opportunities

Graduates may pursue pharmacy work, or work as sales assistants in health stores etc. This course is aimed at those interested in working in a community pharmacy or for those wishing to progress to a year two (part-time) Pharmacy Technician course. Students may also progress to participating Higher Education Institutions (HEIs) through the QQI Higher Education Links Scheme to (for example) DCU, UCD, Maynooth University (incl. Kilkenny Campus), TU Dublin, Dundalk Institute of Technology, University of Limerick, Athlone IT, UCC, NUIG, Carlow IT, Carlow College, Marino Institute of Education, Dun Laoghaire IADT, St. Angela's College Sligo, University of Limerick, Tralee IT, Letterkenny IT, Galway Mayo Institute of Technology or on the Carlow IT Pharmacy Technician courses or to health or arts courses in UCD, Maynooth University, TU Dublin – City Campus or UCC. Alternatively, students may seek immediate employment in a range of companies and projects that seek graduates with a health, science or pharmacy aptitude.

Administrative

Investigative

PLC
5M4468

Pharmacy Assistant

St. John's Central College

5



1 Year



Course Overview

This course provides students with a comprehensive training for working in a Retail Pharmacy environment. The Irish Pharmacy Union module provides students with extensive knowledge of over the counter medicines (OTC) and how to interact with customers in a retail setting. Students gain an in-depth scientific knowledge in a laboratory based setting, and also acquire the Business and Pharmacy IT skills necessary to operate effectively in a Community Pharmacy. In light of the demographic changes and aging population structure, the Retail Pharmacy has a pivotal role in Ireland's community health & welfare programmes. On completion of the course, students work competently in Pharmacies giving support to all Pharmacy personnel.

Career Opportunities

None listed.

Administrative

Investigative

PLC
5M4468

Pharmacy Assistant

O'Fiaich Institute

5



1 Year



Course Overview

This course is designed to give you a solid foundation on which you can begin your career as a pharmacy assistant. Learners will develop medical knowledge to recognise common ailments and the skills necessary to assist with issues in the retail pharmacy sector. Learners will also complete cosmetic studies to assist with the informing and applying of beauty and make-up products.

Career Opportunities

Graduates progress to employment in various roles including:

- Medical Counter Assistant
- Pharmacy Store Manager
- Medical Secretary
- Pharmacy Health Care Adviser
- Health Store Adviser
- Department Stores – Cosmetic Sales
- Medical Sales Assistant

Administrative

Investigative

PLC
5M4468

Pharmacy Assistant

Killester College of Further
Education

5



1 Year



Course Overview

This course prepares students for work in Pharmacies, health stores etc. It also offers a platform to go on to study Pharmacy Technician courses at Third level.

Career Opportunities

Graduates of this course will assist the Pharmacist in providing a care service to the community. As well as pharmacy work, students can work as sales assistants in health stores etc.

Administrative

Investigative

PLC
5M4468

Pharmacy Assistant

Drogheda Institute of
Further Education

5



1 Year



Course Overview

This course is aimed at those interested in working in a community pharmacy or for those wishing to progress to our two year (part-time) Pharmacy

Technician Course.

Career Opportunities

Students completing this course can progress into employment in community pharmacies as Pharmacy Assistants. Successful graduates may also progress to our two year (part-time) Pharmacy Technician course.

Students who have completed a QQI Level 5 award in Community and Health can apply for related Degree courses in Institutes of Technology and Universities.

Administrative

Investigative

PLC
5M4468

Pharmacy Counter Assistant

Monaghan Institute

5



1 Year



Course Overview

This course is designed to equip learners with relevant knowledge and experience to work as a pharmacy counter assistant. Work in this industry varies from dispensing over the counter medications, helping clients choose medical aids and appliances to demonstrating and selling cosmetics, perfumes etc. As well as a QQI qualification, learners complete the Irish Pharmacy Union's Medicines Counter Assistant award.

Career Opportunities

Pharmacy Counter Assistant graduates find employment in diverse fields. Here are some of the most popular career destinations you could progress to:

Medical Counter Assistant | Medical Secretary | Pharmacy Health Care Adviser | Cosmetic Sales Assistant | Pharmacy Field Sales Representative | Pharmacy Store Manager.

Administrative

Investigative

PLC
5M4468

Pharmacy Retail Assistant

Liberties College

5



1 Year



Course Overview

This course equips the student with the skills and knowledge to work as an effective member of the pharmaceutical retail team. Employment possibilities include Pharmacies, health stores and retail outlets.

Career Opportunities

- Pharmacies
- Health Stores
- Healthcare Sales Representatives
- Beauty product sales & Salon reception

Administrative

Investigative

PLC
5M2105

Pharmacy Sales Assistant (Monavalley)

Kerry College

5



39
weeks



Course Overview

This course is designed to be of significant benefit to those who intend seeking work in a retail pharmacy environment. Graduates will be employable in pharmacy environments or Graduates may choose to progress to Institutes of Technology/Universities after completing this programme.

Career Opportunities

This course is designed to be of significant benefit to those who intend seeking work in a retail pharmacy environment. The Irish Pharmacy Union module provides students with extensive knowledge of over the counter medicines (OTC) and how to interact with customers in a retail setting.

Administrative

Investigative

PLC
5M3807

Physiology and Health Science

Enniscorthy Vocational
College

5



1 Year



Course Overview

Leading to a QQI Level 5 award in Laboratory Technique

Course Details:

Duration: 1 Year, full time

Awards: Laboratory Techniques QQI level 5

RLSS Pool Lifeguard

Assistant Swim Teacher

Occupational First Aid

Career Opportunities

- Direct employment in leisure centres and health clubs.
- Physiotherapy
- Personal Training
- Physical activity & health promotion
- Health fitness management

Investigative

Social

PLC
5M3807

Pre-University Science

Drogheda Institute of
Further Education

5



1 Year



Course Overview

This comprehensive course aims to provide students with both the knowledge and practical skills necessary to access science based Degree programmes (including Sports Science) in both Institutes of Technology and Universities.

Career Opportunities

This is one of the most versatile QQI courses in that it allows graduates to apply for a very wide range of Science and Non-Science Degree courses in Institutes of Technology and Universities. Past students have progressed to courses in Science, Science Education, Food Science, Biotechnology, Forensics, Pharmaceutical Science, Sports Science, Agricultural Science and Sports Rehabilitation in:

TCD, TU Blanchardstown Campus, DCU, Carlow IT, UCD, NUIG, Maynooth University, UCC, DKIT, UL, TU Dublin City Campus.

Graduates are eligible to apply for science apprenticeship programmes.

Investigative

PLC
5M3807

Pre-University Science

Galway Technical Institute

5



1 Year



Course Overview

This Pre-University Science course has been specially developed to enable students to gain a foundation in the sciences and to obtain the entry requirements for accessing Science-based programmes at Higher Education institutes.

Career Opportunities

Students who successfully complete the course may gain entry to Third Level Institutes and Colleges through the Higher Education Links Scheme.

Investigative

PLC
5M3807

Pre-University Science (DCU Access course)

Colaiste Dhulaigh College of Further Education

5



1 Year



Course Overview

This Pre-University Science course was developed with DCU to meet the needs of students who wish to study science to degree level in university. The course will cater for three different groups of learners:

- Students who did not obtain the required Leaving Certificate points for their chosen Science course,
- Students who wish to acquire a foundation in Science subject areas and Mathematics before entry to University, A
- Adult returnees to education.

Students who obtain an overall merit (65%) grade in the Pre-University course will gain a place on the majority of Science courses outlined below. However, some courses in DIT have higher and more specific requirements. The course prepares students for entry to the first year of the following Science Degree courses offered by the faculty of Health and Science in DCU.

Career Opportunities

Students who meet the entry criteria for DCU will receive a round zero offer from the CAO for the relevant degree choice.

Investigative

PLC
5M3807

Pre-University Science (Laboratory Techniques)

Pearse College of Further Education

5



1 Year



Course Overview

This one-year course is designed to give students a good understanding and appreciation of the Sciences and provide for the acquisition of relevant laboratory skills. The course also provides students with the opportunity to develop relevant life and work-related skills.

Career Opportunities

None listed.

Investigative

PLC
5M3807

Pre-University Science with Animal Anatomy and Physiology

Greenhills Community
College

5



1 Year



Course Overview

This course gives students a broad base in Science with a wide range of modules covered. It is ideal for students wishing to study Science at Third Level.

Career Opportunities

Students may wish to progress to Science courses, including Veterinary Nursing in UCD at Third Level or seek employment in Science related areas.

Investigative

Naturalist

PLC
5M3807

Pre-University Science with Nutrition

Greenhills Community
College

5



1 Year



Course Overview

This course gives students a broad base in Science with a wide range of Science related modules covered. It includes Nutrition for those students who may be interested in this area.

Career Opportunities

Students may wish to progress to any of a wide variety of Science courses at Third Level or seek employment in Science related areas.

Investigative

PLC
5M3807

Pre-University Sport Science

Cavan Institute

5



1 Year



Course Overview

Year 1 is suited for students who are interested in progressing to a third level course in a sports science related discipline. Modules taught include the core science subjects. In addition, students study exercise and fitness plus sports

anatomy and physiology which will give students a firm foundation upon which to start their college career and a distinct advantage over students entering directly from school.

Career Opportunities

Graduates of this course who elect to continue with their studies will have the opportunity to develop careers in a range of sports science areas for example, sports performance analysts, lifestyle consultant, sports administrators, sports coach/instructor, sports development officer and exercise physiologist.

According to a recent annual review conducted by the Federation of Irish Sport, sport in Ireland supports up to 40,000 jobs, representing approximately 2% of the total national workforce.

Investigative

PLC
5M3807

Science (Lab. Techniques) - Pre University

Colaiste Dhulaigh College
of Further Education

5



1 Year



Course Overview

This course has been designed to meet the needs of a variety of students wishing to study Science, specifically those who did not satisfy the entry requirements for direct entry to a degree course, and adult returnees to education.

Career Opportunities

Successful students may gain entry to a variety of courses. Students may also progress to participating Higher Education Institutions (HEIs) through the QQI Higher Education Links Scheme. Click this course code 5M3807 to see the list of Third Level courses this Award links with.

Investigative

PLC
5M3807
CI061FO

Science & Laboratory Techniques

Cavan Institute

5



1 Year



Course Overview

This course is suited for students who are interested in progressing to a third level course in a science related discipline. Modules taught include the core science subjects - Biology, Chemistry, Physics and Mathematics. The

Mathematics module is accepted for entry to higher education courses. These modules (along with IT skills) form the basis of all first year third level science programmes. In addition, students study microbiology and anatomy and physiology, which will give students a firm foundation upon which to start their college career and a distinct advantage over students entering directly from school. The majority of our graduates progress to further study in higher education.

Career Opportunities

Graduates of this course have a strong foundation in the skills required to obtain positions in laboratories or other science related areas such as biotechnology, pharmaceutical science, chemical and biochemical engineering.

Investigative

PLC
5M3807

Science & Laboratory Techniques

O'Faich Institute

5



1 Year



Course Overview

The aim of the course is to provide students with the knowledge and the entry requirements necessary to access science based programmes at third level. Successful candidates will also gain the knowledge and skills necessary to gain employment in the science and pharmaceutical industries.

Career Opportunities

Suitably qualified students will have the opportunity to pursue Science and Science related Certificate or Degree Programmes in UCD, TCD, DCU, NUI Maynooth, TU Dublin, UCC & Institutes of Technology.

Investigative

PLC
5M3807

Science & Laboratory Techniques

St. John's Central College

5



1 Year



Course Overview

This course is designed for students who are interested in pursuing a career in Laboratory Science. Students can apply to higher education institutions and can also be admitted to Institutes of Technology and University College Cork on a competitive basis.

Career Opportunities

None listed.

Investigative

PLC
5M3807

Science (Pre Third-level)

Enniscorthy Vocational College

5



1 Year



Course Overview

This course prepares students who wish to study Science-related courses at third level, especially if they have only one or two Science subjects in the



Leaving Certificate

Career Opportunities

None listed.

Investigative

PLC
5M3807

Science (Pre-University)

Colaiste Ide College of
Further Education

5



1 Year



Course Overview

The Pre-University Science course has been developed to enable students to obtain the entry requirements for accessing Science-based programmes at Higher Education institutes. Additionally, learners acquire the knowledge and skills necessary for employment in the science and pharmaceutical industries.

Career Opportunities

This course offers progression options for learners to programmes in Universities and Institutes of Technology. Third-level institutes also reserve a number of places on degree courses for mature learners (over the age of 23).

Learners must apply to each institute individually. Learners who complete this major QQI award at Level 5 are eligible to apply through the CAO system for entry into participating courses in the QQI Higher Education Links Scheme (HELS). A limited number of places are available and applicants are ranked according to results achieved in their QQI major award.

Investigative

PLC
5M3807

Science - Pre University

Dunboyne College of
Further Education

5



1 Year



Course Overview

This one-year course is designed to give students an introduction to the world of science and covers a variety of areas related to laboratory or physical science. The mathematics element allows students to bring their mathematics

levels up to the competence relevant to their intended third level course. Students will also have the option to study other modules along with science to shape their qualification for entry to their desired course or area of employment.

Career Opportunities

Graduates may pursue science certificate or degree courses in TCD, DCU, Maynooth University, UCD, DIT, UCC, NUIG, IT Tallaght, Athlone IT, IT Sligo, IT Carlow, Letterkenny IT, Cork IT, St. Angela's College Sligo, as well as other ITs and colleges around the country or in the UK. For example, there are up to 18 21 places in Maynooth University, 30 places in UCD science courses and another 20 places in UCD Agricultural Science courses and 10 places in Trinity in First Science for QQI graduates. Alternatively, students may seek immediate employment in a range of companies and projects that seek graduates with a science aptitude.

Investigative

PLC

5M3807 HK **Science - Pre University**

Bray Institute of Further
Education

5



1 Year



Course Overview

The purpose of the course is to prepare learners for entry to first year of a degree course in science or a science-related field in a Higher Education Institution. The course is designed in particular for learners who may not have studied science previously and has a large emphasis on both theoretical knowledge and practical skills necessary in Science.

Career Opportunities

- Pharmaceutical research
- Laboratory Technicians
- Clinical trial monitoring
- Medical research

Investigative

PLC

5M3807 **Science - Pre University**

Killester College of Further
Education

5



1 Year



Course Overview

HOW WILL I LEARN?

You will have a mixture of classroom-based subjects, laboratory practicals,

mandatory work placement and independent study. You will be expected to complete assignments throughout the year.

HOW WILL I BE ASSESSED?

A full Award is granted on passing the relevant eight components. You will be assessed throughout and at the end of the year.(Continuous Assessment) On successful completion of each component, you will be awarded a Pass, a Merit or a Distinction grade.

WHAT WE WOULD LIKE FROM YOU

An ambition to study Science at Third Level, a love of science & maths and a willingness to work hard are what is required. You will be responsible for securing an appropriate off site work placement before the beginning of the course.

Career Opportunities

Employment opportunities include working in pharmaceutical research organisations as clinical researchers or as laboratory assistants. They may also work in science-related industries such as clinical trial monitoring or medical research organisations. Students may also progress to participating Higher Education Institutions (HEIs) through the QQI Higher Education Links Scheme.

Investigative

PLC
5M3807

**Science and Laboratory
Techniques**

Monaghan Institute

5



1 Year



Course Overview

This course provides training for learners who wish to follow a career in Science. Through this course you can develop skills and competencies in the preparation, use and maintenance of laboratory equipment to perform a range

of laboratory procedures.

This course provides an introduction to the world of science and covers a variety of subjects related to laboratory and physical sciences. It is suitable for learners who wish to train for employment as a laboratory assistant. The course will also equip learners with the knowledge and practical skills necessary to access science based programmes in third level institutions.

Career Opportunities

Laboratory Techniques graduates find employment in diverse fields. Here are some of the most popular career destinations you could progress to:

Laboratory Assistant | Pharmaceutical Scientist | Research Assistant | Agriculture | Biomedical Scientist |

Investigative

PLC
5M3807

Science with Environmental Studies

St. John's Central College

5



1 Year



Course Overview

This course covers the core science modules Physics, Chemistry and Biology along with Mathematics, Environmental Science and support studies. It will provide students with a solid foundation to study any Third Level science course.

Career Opportunities

None listed.

Investigative

PLC
5M3807

Science/Agricultural Science - Pre-University

O'Faich Institute

5



1 Year



Course Overview

This programme has been designed specifically to support learners in achieving the entry requirements for studying science based programmes at Higher Education. This programme offers learners a mixture of classroom based subjects, laboratory techniques and industry based experience. This programme provides a clear pathway into a range of science related degree programmes.

Career Opportunities

None listed.

Investigative

PLC
5M5146

Sports Science (Pre-University)

Colaiste Dhulaigh College of Further Education

5



1 Year



Course Overview

Pre-University Sports Science introduces students to the broad and expanding area of Sport Science and Physiology. This challenging course provides students with the skills, knowledge and qualifications necessary to gain employment in the Fitness and Leisure industry or to lay the foundations for further study in this area. It is important for prospective students to know that it is a theory based course with some elements of practical.

Career Opportunities

On completion of this course, students may wish to continue their studies in the Biological Sciences or Exercise Science, or they may wish to enter directly into employment in the Health and Fitness Industry.

Social

PLC
5M3807

Sports Science - Pre-University

Greenhills Community College

5



1 Year



Course Overview

This course combines Sports and Science for those who wish to pursue careers in either area or in Sports Science.

Career Opportunities

Whilst students can find employment in the Sports and Leisure industry, please note that this course is specifically aimed at Third Level Progression and therefore has a majority component of Science rather than fitness.

Investigative

PLC
5M3807

Sports Science - Pre-University

Dunboyne College of Further Education

5



1 year



Course Overview

This new one-year course will prepare students for the ever-expanding world of quality food production as well as linking the course to a sports industry that is quickly embracing the world of nutrition and dietetics. Food scientists and

sports nutritionists play a role in all aspects of the food chain, from production at farm level to the retailer, to the consumer. This course will develop the students' knowledge of nutrition, dietetics, as well as food production, development, preparation, safe handling and marketing. By changing their combination of modules, students can avail of the science award with some coaching modules and sports anatomy and then continue to third level to study health or sports science.

Career Opportunities

Graduates may pursue science certificate or degree courses in TCD, UCD, DCU, TU Dublin, IT Carlow, Athlone IT, UCC, IT Tallaght, St. Angela's College Sligo. as well as other ITs and colleges around the country or in the UK. For example, there are up to 18 places in Maynooth University, 30 places in UCD science courses and another 20 places in UCD Agricultural Science courses and 10 places in Trinity in First Science for QQI graduates. Alternatively, students may seek immediate employment in a range of companies and projects that seek graduates with a science aptitude.

Investigative

Social
