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NEW COURSES | 2010

Last School/College Attended _____

School Roll No.

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Address _____

Tel _____

Examinations Taken (Please tick) Leaving Certificate: Mode: Traditional LCVP LCA

Junior Certificate GCSE A Levels Other Please specify: _____

Please tick the appropriate box to indicate your status on 30th September

This College Other School Left School

Training: FÁS/CERT Employed Unemployed Other

I declare that the information given by me is true and accurate

Signature of Applicant _____ Date _____

Note: The information provided on this Application Form is intended as a guide for persons seeking admission to Cavan Institute and shall not be deemed to constitute a contract between the Institute and a Student or any third party. The information provided on this Application Form is as accurate as possible at the time of going to press, but it is subject to continuing development. Cavan Institute reserves the right to change, modify, limit in size or cancel any course, class or subject grouping. Cavan Institute reserves the right to amend the list of elective subjects being offered for any course. New courses are advertised subject to approval. Cavan Institute expressly reserves the right to refuse any application for admission without being obliged to furnish a reason for so doing.

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|---------------------------|--|---------------|--|
| Application Acknowledged. | Yes <input type="checkbox"/> No <input type="checkbox"/> | Processed: | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Interview Date: | Yes <input type="checkbox"/> No <input type="checkbox"/> | Deposit Paid: | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| | | Fee Paid: | Yes <input type="checkbox"/> No <input type="checkbox"/> |

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Ann Marie Lacey
B.Ed., H.Dip. Ed. Admin., M.Ed.

BUSINESS STUDIES - START YOUR OWN BUSINESS

FETAC Level 5 - BBSXX

Course Description

The course is designed to give students an introduction to the concept of 'Start Your Own Business'. It also provides the learner with the theory of General Business.

Course Content**Mandatory**

- Start your own Business
- Business Administration
- Marketing Practice
- Communications
- Work Experience

Electives

- Economics
- Business Law
- Accounting - Manual and Computerised
- Word Processing
- Computer Applications
- Information Technology Skills

Career Opportunities and Progression

The course provides students with a general qualification in Business. It focuses on the area of 'Start Your Own Business'. Students with this qualification can progress to a Higher Education Institution via the Higher Education Links Scheme.

EMERGENCY FIRST RESPONDER/MEDICAL TECHNICIAN

FETAC Level 6 - DSDCX

Course Overview

The Emergency Care / Paramedic Personnel Course is aimed at those who wish to work in either the Fire or Ambulance services. This course will lead to a FETAC Level 5 award in Community and Health Services with additional certification in Emergency First Aid and Fire Safety and Fire Fighting. Learners can train for Emergency First Responder and/or Emergency Medical Technician.

Typical Modules

- Anatomy & Physiology
- Safety & Health at Work
- Social Studies
- Health Related Fitness
- IT Applications
- Applied Maths (relevant to working emergency services equipment)
- Teamworking
- Communications
- Work Experience

Optional training courses for learners will be available in:

Emergency First Aid Related Courses

- Occupational First Aid - Health & Safety Authority standard for first aid in the workplace
- Cardiac First Responder - PHECC (The Pre-Hospital Emergency Care Council) standard for Automated External Defibrillator use
- Emergency First Responder (EFR) incorporating Defibrillator Training - PHECC standard
- Emergency Medical Technician - PHECC standard for the National Qualification Emergency Medical Technician (NQEMT) provided in conjunction with the Irish Ambulance Training Institute

Fire Safety and Fire Fighting Related Courses

- Fire Warden (Fire Safety and Fire Extinguisher Training)
- Breathing Apparatus (provided by Sionnach Fire & Safety Training Ltd)
- Fit for Fire (Fitness Assessment Preparation)

Other Relevant Courses of Professional Training

- Manual Handling
- Patient Handling
- Hazardous Substances
- Safe Pass
- Heavy Goods Vehicle Licence

Award

FETAC Level 5 - Community and Health Services
Additional certification in Emergency First Aid and Fire Safety & Fire Fighting
Advanced Certificate in Sport Development

CERTIFICATE IN RADIO PRODUCTION

Level 5 - ERPXX

What is the course about?

This course provides a wide and comprehensive introduction to the area of radio broadcasting and will establish fundamental radio production competencies, from which the student may progress to employment, further study and/or training. This course is of interest to those who wishing to work in a radio setting in production, presentation or news reporting. As part of the course students will gain practical experience working in profession radio settings and will prepare material for broadcast to local audiences.

There will be an emphasis on using the latest technology and multimedia applications for broadcast on the Internet. Students will be responsible for the preparation of programmes for broadcast on the internal college station.

The course is full-time and runs over 1 year (September to May).

What subjects will I study?

Mandatory

- Media Analysis
- Sound Engineering and Production
- Radio Programme Production
- Communications

Electives

- Research Skills for Journalism
- Media Law and Practice
- Multimedia Authoring
- Writing Skills for Journalism
- Technical Skills for Journalism

What will I be able to do when I finish the course?

Students may apply to work in radio stations or progress to further study.

What are the progression opportunities from this course?

Graduates are eligible to apply to progress to Higher Education Courses through the Higher Education Links Scheme and through the Pilot Scheme. Students may apply to continue their studies to degree level at Dublin City University in the areas of Journalism or Multimedia or to NUI Maynooth for a degree in Media Studies. Entry criteria will apply for progression routes.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied, a full Level 4 FETAC Award in a related area or Mature Applicants.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

ADVANCED CERTIFICATE IN RENEWABLE ENERGY AND CONTROL SYSTEMS FETAC Level 6 - CMSTX

What is the course about?

This level 6 course enables students to reach an advanced level in the area of Renewable Energy and Control Systems. Students gain a deeper knowledge and appreciation of the latest technologies (including the social and economic issues) in the areas of wood heating technology, solar hot water technology, heat pumps, pneumatic systems and Programmable Logic Controllers. Upon successful completion of the course graduates should be able to interpret customer requirements and provide advice on the solution options available. The course is full-time and runs over 1 year (Sept.-May). A previous related qualification and/or interest/experience (mature applicants) is a pre-requisite for entry to this course (see 'what are the entry requirements?' below.)

What subjects will I study?

Mandatory

- Programmable Logic Controllers
- Biomass Heating Systems
- Solar Domestic Hot Water Systems
- Heat Pump Systems
- Safety and Health at Work

Electives

- Industrial Pneumatic Systems
- Electronics
- Electrical Principles
- Computer Aided Draughting
- Problem Solving Techniques
- Communications

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

- This course will present learners with the opportunity to
- Be able to specify an efficient wood burning system with particular emphasis on heat distribution circuits and their effective control
 - Be able to specify an efficient solar hot water installation with regard to site orientation assessment, aesthetics, pipe loop installation and control strategy
 - Understand the function of a Programmable Logic Controllers (PLC), identify the standard electrical components used with PLC's, write and interpret short PLC programs in the form of 'Ladder Logic Diagrams' and 'Statement List'
 - Identify standard pneumatic components, understand their function and maintain the efficient operation of pneumatic system
 - Locate and diagnose faults and replace faulty components

What are the progression opportunities from this course?

Upon successful completion of this course students may progress to a variety of related degree level courses run by Institutes of Technology and/or Universities throughout Ireland.

Career opportunities in this area include:

- Engineering Management
- Energy Consultant
- Process/ Project Engineer
- Sustainable Design Engineer
- Control Engineer

What are the entry requirements?

FETAC Level 5 Award in any one of the following:

Engineering Technology (CENG)

Electronic Technology (CELT)

Control Technology (CCTXX)

OR Mature Applicants with relevant experience

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

ADVANCED CERTIFICATE IN FASHION MARKETING AND PROMOTION

FETAC Level 6 - AFIPX

What is the course about?

This course is aimed at people who wish to find employment in the fashion industry. As the fashion business has become global, so modern industry practices have changed. This course will enable students to develop the knowledge and skills required in the modern international fashion industry. Students gain an in-depth understanding of the current issues and the fundamental drivers of change in the fashion industry.

Students will learn about the modern practices of retailing (planning, buying and selling) and the important role that fashion marketing and promotion and the creative art of styling plays in it. Elements of fashion media will be explored, with students creating fashion images and developing key skills in the area of fashion journalism.

The course is full-time and runs over 1 year (September to May).

What subjects will I study?

Mandatory

- Fashion Retailing and Buying
- Fashion Styling

Electives

- Fashion Promotion
- Event Management
- Fashion Marketing Management
- Communications
- Retail Display

What will I be able to do when I finish the course?

Students who successfully complete this course will be able to pursue an international career in Fashion Buying and Merchandising, Fashion Management and Promotion or Styling for Fashion Media.

What are the progression opportunities from this course?

Students graduating with a full Level 6 Award may apply directly to Institutes of Technology for entry to related Level 7 and Level 8 degree courses.

What are the entry requirements?

FETAC Level 5 Award in Fashion Design (AFDXX) or similar or mature applicants with relevant industry experience.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

PROFESSIONAL COOKERY

FETAC Level 5 - 5MO115

What is the course about?

This course is aimed at people who wish to find employment in a professional kitchen. The course is designed to equip the learner with the knowledge, skills and competence to work in a professional kitchen.

The course is full-time and runs over 1 year (September to May).

What subjects will I study?

Proposed Subjects

- Culinary Techniques
- Pastry Baking and Desserts
- Menu Planning and Applied Nutrition
- Food Science and Technology
- Meal Service
- Professional Development
- Professional Work Placement

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- Develop practical culinary skills
- Develop an understanding of the science of food and food hygiene
- Develop a knowledge of changing kitchen technologies
- Acquire a knowledge of the business aspects of catering operations
- Gain an understanding of the theory and practice of professional cookery

What are the progression opportunities from this course?

Students may progress from this course to Institutes of Technology through the Higher Education Links Scheme on obtaining a full award.

Graduates may find work in professional kitchens nationally and internationally.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied, a full Level 4 FETAC Award in a related area or Mature Applicants.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

RENEWABLE ENERGY AND CONTROL SYSTEMS

FETAC Level 5 - CCTXX

What is the course about?

This course is aimed at people who wish to embark on a course of study leading to a career in renewable energy or a manufacturing environment. Renewable energy (RE) has seen rapid development in the last 5 years worldwide, especially in the area of wind turbines and small scale domestic systems.

The course is designed to provide the learner with the knowledge and skills associated with solar Photovoltaic (PV), solar thermal and domestic wind turbine system specification and control systems used in industry.

The course is full-time and runs over 1 year (Sept.-May) with an option to progress to the FETAC Level 6 Renewable Energy and Control Systems course at Cavan Institute. No previous knowledge of renewable energy or control systems is assumed.

What subjects will I study?

Students gain an understanding of industrial machinery, plant and equipment through practical based modules listed below.

Mandatory

- Renewable Energy Systems
- Control Systems
- Electronics
- Communications
- Work Experience

Electives

- Renewable Energy Productions
- Engineering Workshop Theory
- Computer Aided Draughting (2D)
- Safety and Health at Work
- Mathematics for Engineering
- Electronics - Digital

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- Develop an appreciation of sustainability issues (environmental, construction, social, economic, etc.)
- Develop their knowledge and understanding of renewable energy systems (such as solar energy source, wind energy source, biomass energy sources, geothermal heating systems)
- Know the role of microprocessor control in industry and its relationship with other control technologies
- Design and build a control system, needing a number of inputs and outputs, combined with feedback to solve a practical problem
- Learn how to use pneumatic circuits to predict the behaviour of machines

What are the progression opportunities from this course?

Successful graduates will be eligible to apply for the follow on FETAC Level 6 course in Renewable Energy and Control Systems at Cavan Institute. Students may also progress from this course to Institutes of Technology and Universities through the Higher Education Links Scheme on obtaining a full award.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied or Mature Applicants.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

ANIMAL SCIENCE WITH MANAGEMENT

FETAC Level 6 - CASXX

What is the course about?

This course covers all of the aspects of Animal Science and aims to advance the students academic and professional career prospects in animal care while also studying units in business and management. Students may use this course as a progression to a degree in related animal management and animal science and care areas.

Industry placement is an important part of this course with placement being completed over the duration of the course.

Some of the job titles that this course would lead to include:

Opportunities within the animal sector:

- Nutrition specialist, Conservation, ISPCA, Animal welfare officers
- Journalists and teachers

The course is full-time and runs over 1 year (Sept.-May).

What subjects will I study?

Mandatory

- Animal Science
- Principles of Land Based Business BTEC
- Biological Principles BTEC
- Animal Health & Welfare BTEC
- Animal Nutrition BTEC
- Animal Grooming
- Kennelcraft
- Anatomy & Physiology

Electives

- Small Animal Breeds
- Investigative Project BTEC
- Animal Husbandry BTEC
- Environmental Management BTEC
- Communications
- Humans, Animals & Society
- Animal Trading
- Wild Animal Management

(The BTEC subject are not listed)

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

- This course will present learners with the opportunity to
- Maintain a high level of husbandry when rearing animals
 - Have a knowledge of a wide range of animals

What are the progression opportunities from this course?

Upon successful completion of this course students will be eligible to apply for a range of courses including:

- Year 2 of the BTEC/Edexcel Higher National Diploma (HND) in Animal Management run in Cavan Institute.
- Study at degree level in the UK and Ireland in Animal Nursing, Animal care & Management, Animal Science

What are the entry requirements?

- FETAC Level 5 Certificate in Animal Care (CASAC) (or a similar qualification)
- Mature applicants with relevant experience.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

ADVANCED CERTIFICATE IN FURNITURE MAKING

FETAC Level 6 - AFMRX

What is the course about?

This course is aimed at people who wish to embark on a course of study leading to a career in furniture making. The course is designed to provide the learner with the knowledge and skills associated with modern furniture manufacturing technologies. Students on this course are encouraged to develop innovative approaches to producing quality furniture.

The course is full-time and runs over 1 year (September to May).

What subjects will I study?

Mandatory

- Wood Finishing
- Furniture Making with Machinery
- Furniture Design

Electives

- Computer Aided Draughting (2D)
- Design
- History of Furniture
- Drawing
- Communications

What will I be able to do when I finish the course?

- This course will present learners with the opportunity to
- Develop practical skills in the area of wood finishing
 - Develop skills in the use of furniture making machinery
 - Acquire a knowledge of the manufacturing process
 - Increase proficiency in AutoCAD (2D)
 - Develop an innovative approach to furniture design
 - Acquire an appreciation of the history of furniture design

What are the progression opportunities from this course?

Students graduating with a full Level 6 Award may apply directly to Institutes of Technology for entry to related Level 7 and Level 8 degree courses

What are the entry requirements?

FETAC Level 5 in Furniture Design (AFURX), or similar, or mature applicants with relevant industrial experience.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

SUSTAINABLE ENERGY AND CONSTRUCTION TECHNOLOGY

FETAC Level 5 - CCONT

What is the course about?

This course is aimed at people who wish to embark on a course of study leading to a career in the construction industry with a particular emphasis on renewable energy technology. It is specifically designed to provide the learner with the knowledge and skills associated with environmentally sustainable building and construction technology.

Graduates are prepared for a wide range of job opportunities including employment with building contractors/developers, architects, quantity surveyors and local authorities. Graduates are also prepared for work with manufacturers and suppliers of building products and materials.

The course is full-time and runs over 1 year (September - May) with an option to progress to the FETAC Level 6 Award in Architectural Technology.

What subjects will I study?

Mandatory

- Building Construction
- Wood Fabrication
- Communications
- Work Experience

Electives

- Computer Aided Draughting (2D)
- Architectural Drawing
- Mathematics for Engineering
- Green Building
- Renewable Energy Systems

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- Develop practical skills in the area of building construction and wood fabrication
- Learn how to create designs using AutoCAD
- Develop and appreciation of the principles, practice and relevance of environmentally sustainable building and construction
- Acquire a knowledge of the fundamentals of sustainable energy generation and conservation

What are the progression opportunities from this course?

Successful graduates will be eligible to apply for the Level 6 Advanced Certificate in Architectural Technology (AATDX) at Cavan Institute. Students may also progress from this course to a variety of related degree level courses at Institutes of Technology and Universities through the Higher Education Links Scheme on obtaining a full award.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied, full FETAC Level 4 Award in a related area or mature applicants.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

MOTOR VEHICLE MAINTENANCE

FETAC Level 5 - CMTXX

What is the course about?

This is an introductory course for those who want to find out whether a career in the automotive industry will really suit them. It is ideally suited for students who aspire to apprenticeships in the motor industry and related fields. Its aim is to provide students with a thorough grounding in Motor Vehicle Maintenance practices.

The course combines both practical and theory sessions with a particular focus on providing participants with the basic skills necessary to carry out a range of mechanical and electrical maintenance tasks, associated with a motor vehicle, safely and efficiently.

The course is full-time and runs over 1 year (Sept.-May).

What subjects will I study?

Mandatory

- Auto Electricity
- Motor Vehicle Practice
- Motor Vehicle Theory
- Communications
- Work Experience

Electives

- Engineering Workshop Processes
- Engineering Workshop Theory
- Electronics
- Mathematics for Engineering
- Safety and Health at Work

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- Locate, identify and state the function of a variety of mechanical components as found in a motor vehicle, to include pistons, valves, crankshaft, camshafts, bearings, oil pump, fuel systems, cooling systems, chassis components and lubrication systems
- Carry out a routine maintenance on a variety of mechanical components
- Locate, identify and state the function of a variety of electrical components as found in a motor vehicle, to include alternator, starter motor, solenoid, wiper motor, battery, fuses and ignition system
- Carry out a routine maintenance on a variety of electrical components
- Use life skills including effective communication techniques, teamwork and independent learning

What are the progression opportunities from this course?

Upon successful completion of this course students may progress through the Higher Education Links Scheme to a variety of related degree level courses (e.g. automation engineering, automotive management and technology, engineering system maintenance or engineering) run by Institutes of Technology and/or Universities throughout Ireland.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied or Mature Applicants. (You do not need qualifications or experience of motor vehicle work to apply for this course.)

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

ENVIRONMENTAL SCIENCE (WATER AND WASTE MANAGEMENT)

FETAC Level 5 - CAEXX

What is the course about?

In recent times there has been a marked increase in the awareness of the need to protect our environment. Issues such as pollution control, water and waste management, global warming/climate change and ecological balance are much more prominent today than they have been in the past. Legislation requires strict controls and monitoring by industry on our environment both locally and globally. As a result there is a growing need for qualified people to work in areas such as pollution control, waste management, national and local nature reserves, environmental protection agencies, wildlife trusts as well as the environment divisions of local authorities and governments. This course is aimed at people who have an interest in pursuing further studies leading to a career in any of these areas. This course will provide participants with a broad understanding of environmental science the impact we can have upon it. Students will receive practical and theoretical training through laboratory work, lectures and field trips.

The course is full-time and runs over 1 year (Sept.-May).

What subjects will I study?**Mandatory**

- Ecological Field Methods
- Sustainable Water Management
- Waste Management
- Biological Diversity
- Communications
- Work Experience

Electives

- Environmental Studies
- Plant Science
- Biology
- Chemistry
- Safety and Health at Work
- Laboratory Techniques

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- Carry out field assessments (e.g. habitat maps, bird counts, bat monitoring, soil tests etc.)
- Evaluate conservation strategies for red squirrel, corncrake, marsh fritillary, hen harrier, cornflower, machair
- Identify the key measures available in Ireland and the role of new technologies in the provision and maintenance of a clean water services
- Conduct a visual assessment of a non-wadeable stream or river
- Understand the environmental impact of waste and the role of local authorities in waste management
- Become proficient in laboratory techniques
- Use life skills including effective communication techniques, teamwork and independent learning

What are the progression opportunities from this course?

Upon successful completion of this course students may progress to a variety of related degree level courses run by Institutes of Technology and/or Universities throughout Ireland.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied or Mature Applicants. (There is no requirement for students to present with a science subject at Leaving Certificate level.)

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

COMPUTER GAMES PROGRAMMING

FETAC Level 5 - CITXX

What is the course about?

The programming and development of computer games is a rapidly growing area, and one where it is predicted that there will be a future shortage of graduates. This introductory course is aimed at people who have an interest in pursuing further studies leading to a career in the area of computer games or general software development.

The purpose of the course is to provide students with a firm foundation in the craft of writing computer programs and creating 2D and 3D computer games. Students will gain the necessary knowledge and skills to understand how computers work and can be used to model the physical behaviour of real world objects.

The course is full-time and runs over 1 year (Sept.-May).

What subjects will I study?**Mandatory**

- Computer Programming
- Games Studies
- Computer Architecture and Systems
- Communications
- Work Experience

Electives

- Games Analysis and Design
- Database Methods
- Physics
- Mathematics for Computing
- 3 Dimensional Computer Graphics

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- appreciate the programming considerations that arise with different game genres such as adventure, First Person Shooter (FPS), Role Playing Games (RPGs), strategy, fighting and sports games
- Play and critique a variety of games on a selection of popular platforms (e.g. X-Box, PS3, PC etc)
- Use specialised game engine tools to create their own game components (levels, maps, characters etc)
- Write and test their own computer games (2D and 3D)
- Use life skills including effective communication techniques, teamwork and independent learning

What are the progression opportunities from this course?

Upon successful completion of this course students may progress through the Higher Education Links Scheme to a variety of related degree level courses (e.g. B.Sc. in Computer Games Development, Software Engineering, Applied Computing or Software Design - Games) run by Institutes of Technology and/or Universities throughout Ireland.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied or Mature Applicants.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

SOFTWARE DEVELOPMENT

FETAC Level 5 - CITXX

What is the course about?

Job prospects for graduates of in the discipline of software development remain very buoyant. Ireland is widely recognised as Europe's premier location for software development with many of the major multinational software companies such as Microsoft, Google, Ebay, Symantec, IBM and Amazon having based their European operations centres in Ireland.

This course is designed to give the student a firm foundation in the skills and knowledge required in the art of computer programming and software development. Students study a range of subjects, which reflects the versatility that computers have in society today. The course is oriented towards the development of technical skills such as software development, web site development and problem solving.

The course is full-time and runs over 1 year (Sept.-May). This course may also be of interest to graduates with qualifications in non-computer disciplines who wish to pursue training in this area.

What subjects will I study?

Mandatory

- Computer Programming
- Computer Architecture and Systems
- Communications
- Work Experience

Electives

- Software Development
- Database Methods
- Web Authoring
- Mathematics for Computing
- Network Essentials
- 3 Dimensional Computer Graphics

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- Write and test their own computer programs using C++ and/or Java programming language
- Design and develop web sites
- Use a database to record structured data
- Understand the internal components of a computer and how they interoperate
- Use life skills including effective communication techniques, teamwork and independent learning

What are the progression opportunities from this course?

Upon successful completion of this course students may progress through the Higher Education Links Scheme to a variety of related degree level courses (e.g. B.Sc. in Computer Software Development, Software Engineering, Applied Computing or Software Design - Games) run by Institutes of Technology and/or Universities throughout Ireland.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied or Mature Applicants.

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.

FORENSIC SCIENCE

FETAC Level 5 - CASLT

What is the course about?

This course is aimed at people who have an interest in pursuing further studies leading to a career in the area of science or forensic science. Forensic science means any science which is used as evidence in a court of law. The purpose of this course is to provide participants with a broad knowledge of the core sciences as well as an understanding of forensics and the legal system. Students will receive practical as well and theoretical training through laboratory work, field trips and lectures.

The course is full-time and runs over 1 year (Sept.-May) and no previous knowledge of science or forensic science is assumed.

What subjects will I study?

Mandatory

- Forensics
- Criminal Law
- Laboratory Techniques
- Biology
- Communications

Electives

- Safety and Health at Work
- Business Computing
- Mathematics
- Chemistry
- Criminology
- Work Experience

Under the Leonardo da Vinci EU Mobility programme operated by Cavan Institute students of this course may have an opportunity to undertake work placement in other European countries.

What will I be able to do when I finish the course?

This course will present learners with the opportunity to

- Develop an appreciation of the legislation and defenses surrounding crimes such as homicide, theft, burglary, aggravated burglary and robbery
- Understand crime scene management and the considerations involved in the accumulation of evidence analyse biological evidence such as blood and hair
- Identify subjects at a scene using fingerprinting, DNA, and profiling
- Review a case to translate the story of evidence to the legal community
- Distinguish between circumstantial and direct evidence
- Use life skills including effective communication techniques, teamwork and independent learning

What are the progression opportunities from this course?

Upon successful completion of this course students may progress to a variety of related degree level courses run by Institutes of Technology and/or Universities throughout Ireland.

What are the entry requirements?

Leaving Certificate, Leaving Certificate Applied or Mature Applicants. (There is no requirement for students to present with a science subject at Leaving Certificate level.)

How do I apply?

Complete the enclosed application form and return it to Cavan Institute.