CYBER SECURITY SKILLS PROVIDERS

Talent & Skills Providers

Advance Centre Provided by UCD

📍 UCD & ATU. Blended Learning Options Available

📅 Three Intakes a Year in January, May & September

👤 Postgraduate Students, Graduates/Early Career, Adults, Industry Professionals, Industry (SME's/MNC's)

📈 Higher Education Course, Industry Upskilling (Advanced)

🎓 Micro-Credential, Higher Diploma NFQ Level 8, Post-graduate Diploma - NFQ Level 9, Master's Degree - NFQ Level 9

🌐 https://www.advancecentre.ie/

The Advance Centre offers students the following cyber security courses:

MSc in Cyber Security
Grad Certificate in Cyber Security
Cyber Security Microcredentials

Programme Overview

This is a part-time postgraduate programme of study which leads to Masters (MSc), Graduate Diploma or Graduate Certificate awards from UCD. Students may also take single modules.

The modules in the Digital Manufacturing theme provide learners with an opportunity to take individual modules in the areas of Operational Excellence and Management to upskill and support growth for those leading teams.

The courses are delivered by blended distance learning with occasional on-campus workshops to allow students to meet. For specific requests, please contact us directly.

The programme aims to help close the cybersecurity skills gap by providing high quality relevant and practical education for professional learners. There are other modules across the ten other themes that may support upskilling in adjacent areas.

Value For Your Organisation

It will be of value to any company or organisation in the public or private sector which must defend itself against cyberattacks and deal with them when they happen. This includes SMEs and MNCs. The range of Cyber Security full programmes and modules are designed to prepare IT professionals for a managerial and technical career in Cybersecurity.

It will help companies, government and state institutions, defence forces and others to upskill their staff to fill new roles in cyber security so that they can protect their organisations, their customers, and the public.

Advance Centre has a wide range of flexible learning options to suit your career needs and lifestyle by offering students the ability to choose from a selection of modules should they not wish to pursue a full qualification across the Cyber Security theme.

Advance Centre
Professional Education
for Digital Transformation

For More Information Contact
Advance Centre,
Admissions,
info@advancecentre.ie

Cyber Analyst Bootcamp - itag Skillnet

Online

Twice Yearly in February & October

Job Seeker's

Higher Education Course, Industry Upskilling

Professional Qualification, Higher Certificate NFQ Level 6

https://itag.ie/cyber-security-programme/

Programme Overview

Jobs requiring cybersecurity skills continue to grow rapidly. Cybersecurity has the fastest growth rate among all areas of IT, with the labour market encountering a severe workforce shortage in this field.

The itag Skillnet Cyber Security Analyst Bootcamp is specifically for Job Seekers on the Live Register with a background in IT.

A unique feature of the 8 week programme is the strong collaboration between industry, academia, Intreo and Skills Connect its development and delivery.

The programme is industry led and provides participants with an opportunity to work with industry mentors. This programme is funded by Skillnet Ireland.

Completely online using state-of-the art technologies and techniques to support the virtual classroom.

Topics Include:

CompTiA Network+
CompTiA CySA+.
Industry cyber presentations
Cyber Mentors
Threat Analysis
Risk /Incident Management
Incident Response
GDPR, & Governance
Project Management, Time Management
Presentation Skills
Team Building & Communication Skills

Value For Your Organisation

This programme is beneficial across all digital industries. Beginning with the obvious, employing cyber security experts makes your business & networks more secure.

We are always looking for guest contributors and experts in field to either present or act as mentors for the participants.

Current organisations involved in these programmes include: Avaya, Cyber Pie, ATU, HPE, Intel, IMB, NUI Galway, Rapid7, Spam Titan, and many more.

itag
Skillnet

Cyber Skills

📍 Nationally

📅 Two Intakes a Year in January & September

👤 Postgraduate Students, Graduates/Early Career, Job Seeker's, Industry Professionals, Industry (SME's/MNC's)

📈 Higher Education Course, Industry Upskilling (Advanced)

🎓 Micro-Credential, Special Purpose Awards at Level 8 & Level 9

🌐 https://www.cyberskills.ie/

Programme Overview

Cyber Skills is working to address the Cyber Security skill shortages in Ireland. Funded through the Higher Education Authority(HEA) Human Capital Initiative Pillar 3 fund academics from four of Ireland's top universities, Munster Technological University, University of Limerick, Technological University Dublin and University College Dublin are collaborating to develop and deliver higher education micro-credentials and pathways designed to provide the skills required by Industry.

Utilising fully online flexible delivery in order to provide accessible education. Utilising the first of its kind in Irish education Cyber Range our labs provide students with a unique opportunity to practice their new skills in a controlled real world environment. Our programs will provide you with the knowledge, skills and training needed to upskill and enhance your career in cybersecurity. Find out more about our courses at www.cyberskills.ie

Value For Your Organisation

Cyber skills offers a broad range of programmes which would suit many organisations large, medium and small. We regularly have guest lecturers and actively seek industry engagement in delivery and design of our programs.
Dell were key in designing our initial programs designed to provide the skills required for peopled to work as Network Operations Specialist, while Mastercard provided the requirements for two programs designed to provide the cyber security skills for secure software developers and Security Systems Architects.

For More Information Contact
Jacqueline Kehoe,
Project Manager,
Jacqueline.kehoe@mtu.ie

Cyber Quest - IT@Cork Skillnet & CJHNetwork

📍 Nationwide

📅 Multiple Start Dates for 12 - 14 Weeks

👤 Postgraduate Students, Graduates/Early Career Professionals, Job Seeker's

📈 Pre-Entry: Career Promotion & Awareness, Entry-Level, Industry Upskilling (Advanced), Training Grant

🎓 Professional Qualification, Industry Certification, Micro-Credential,

🌐 https://www.cyberquest.ie/

185 CyberQuest trainees have returned to work with 60% in cyber roles.

Programme Overview

CyberQuest is a training initiative funded by Skills Connect and managed by IT@Cork Skillnet and CJHNetwork. It offers Awareness, Skills and Advanced training in cyber security for unemployed people and those impacted by Covid-19.

The training is on-line and self-paced, supported by seminars, workshops and personal development. The workshops include preparation for the return to work.

This is the goal to help people find employment again either in cyber or a related field.

Cyber Security awareness has now become a necessity for employees, families and individuals.

There is a skills shortage globally that is partially met Third Level. CyberQuest is bringing a diverse and larger talent pool into the sector. It includes supports for Women and people with Autism.

Value For Your Organisation

CyberQuest Graduates are now gaining employment in cyber/IT companies. They are now using the programme as an employment pool by offering job opportunities to Trainees.

CyberQuest is providing a more diverse people pool for the sector and generally raising awareness about vulnerabilities.

This is important for all types of companies and will become mandatory overtime.

Company speakers have participated in seminars and workshops to inform about research and cyber tools. Several have used these to promote their offering and to attract trainees into employment.

Companies have offered projects and given feedback on content and trainees presentations. Others are now actively recruiting trainees for their own companies.

Enterprise Ireland Leadership Development Programmes

Enterprise Ireland inspires Irish business leaders to have the ambition, confidence and ability to grow their businesses globally. Their Client Management Development and Client Skills Department, led by Keelin Fagan, helps to address the capability needs of their clients through a suite of tailored leadership and management development programmes.

Information on these programmes can be found here.

ENTERPRISE IRELAND

Future In Tech - Technology Ireland ICT Skillnet

Online Instructor Led Virtual Platform

Multiple Start Dates for 12 - 14 Weeks

Job Seeker's

Entry-Level, Internship / Graduate Programme

Industry Certification

https://www.futureintech.ie/

Programme Overview

This free Cybersecurity Analyst Programme was designed to help non-tech jobseekers rapidly and easily develop new digital skills and access new job opportunities.
Candidates must be at least 18 years old and be unemployed.

The Future in Tech programme has 8 Technical Pathways one of which is Cybersecurity Analyst. This pathway is 12 months in duration and graduates can expect to take up a cybersecurity analyst role in an organisation, where they will detect cyber threats and implement changes to protect an organisation.

This course is great for entry level students who want to pursue a career in IT Security. It provides the knowledge and skills needed to get started. Although there are no formal prerequisites, a basic understanding of computers and working online would be advantageous.

The course also develops transversal skills, including Communication Skills for IT professionals, designed to help the learner engage with all types of audiences specifically, while managing projects and dealing with
people in the IT industry.

Personal and career development skills are developed with the inclusion of interpersonal skills and job search skills. The programme also has six months of mentoring by a cohort of mentors from the cybersecurity sector in Ireland.

Successful students gain the following certifications; IT Specialist Certification Information Technology Specialist – Cyber Security.

Value For Your Organisation

This programme is very suitable for any organisation which has a need for cybersecurity skills, particularly entry level skills.

Many of the students on this programme were formerly in employment so they have in general prior work experience and have elected to reskill to take up a role in the cybersecurity sector

There are a range of opportunities for a company to participate in the programme particularly as a mentor.

Mentors do not need to have cybersecurity skill. Mentors do not need to have cybersecurity skills, as that role is filled by Cenit College and the tutors on the programme.

The role of the mentor is to help the students get a sense of the world of work as it relates to cybersecurity, and to support the team/pod of 4 - 5 students per mentor to bond as they undertake their group project.

Watch mentors and previous participants share their feedback on the course.

future in tech

IBM SkillsBuild - IBM & Technology Ireland Skillnet

📍 Online

👤 Students, Undergraduate/Postgraduate Students, Graduates/Early Career, Job Seeker's, Industry Professionals, Industry (SME's/MNC's)
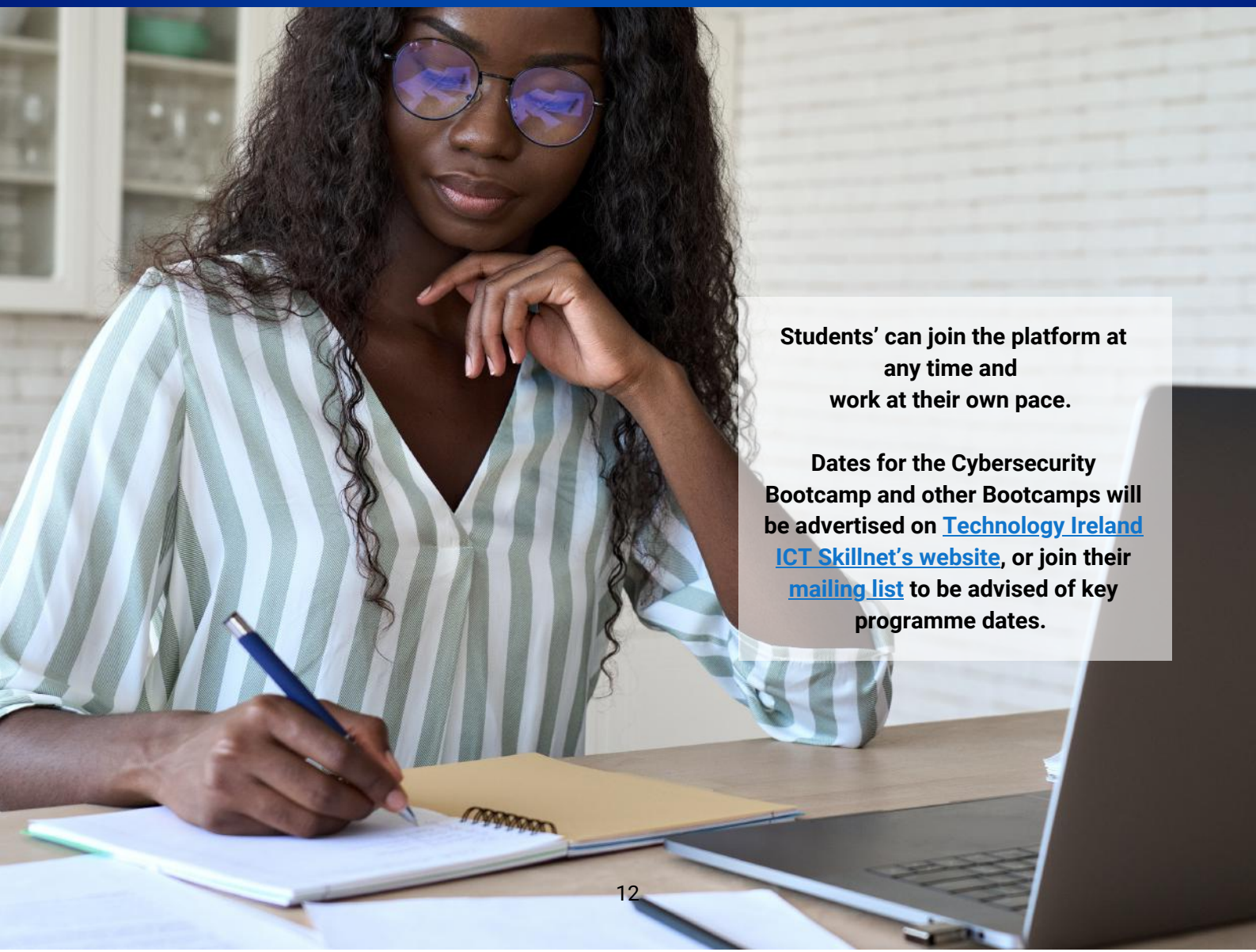
📈 Pre-Entry: Career Promotion & Awareness, Entry-Level, Industry Upskilling (Advanced)

🎓 Professional Qualification, Industry Certification, Micro-Credential

🌐 https://skillsbuild.org/

Students' can join the platform at any time and
work at their own pace.

Dates for the Cybersecurity Bootcamp and other Bootcamps will be advertised on Technology Ireland ICT Skillnet's website, or join their mailing list to be advised of key programme dates.

Programme Overview

SkillsBuild is an innovative online and easy-to-navigate open learning platform developed and supported by IBM. SkillsBuild provides access to core technical learning aligned to specific in-demand tech roles and career opportunities, which can help learners achieve the tech career they aspire to or support learners in upskilling or cross-skilling.

IBM SkillsBuild provides those looking to upskill or cross skill with 1800+ free online, self-paced courses in technology and professional skills, as well as project-based learning, credentials* and coaching.

IBM, believes that learners at all stages of the employment continuum need access to the skills that will allow them to compete in an ever-evolving economy.

IBM has been committed to closing the gap for students, job seekers, and the organisations that support them through their this platform and the learning programs.

IBM SkillsBuild brings together two world-class platforms under one brand to help students, job seekers, and organizations opt into the learning experience that's right for them.

Value For Your Organisation

As this digital platform provides jobseekers or those already in employment with the ability to upskill or cross-skill, it helps to grow the talent pool and capability which organisations can tap into either through hiring those who have completed their learning on the platform or building in demand skills needed in their organisation.

The platform provides a range of components including career fit assessments, training, personalised coaching and the experiential learning learners need to enter, re-enter or continue to grow in the workplace.

As of 2021 IBM partners with 30 companies across 12 countries to bring the IBM SkillsBuild platform to their clients. In Ireland, Technology Ireland ICT Skillnet is a partner.

To date we have students' from industry and those seeking employment using the platform to grow the skills they need remain current in the ever changing business world. SkillsBuild has been a valuable learning platform for both cohorts.

For More Information Contact
Gillian O'Grady
IBM SkillsBuild Programme Lead
gillian.ogrady@ictskillnet.ie

Carmel Somers
Human Capital Strategist
ICT Skillnet

IBM **SkillsBuild**
for Job Seekers

ICT Associate Apprenticeship Cyber Security - FIT

📍 Nationwide Across 16 ETB'S

📅 Multiple Dates Throughout the Year

👤 Undergraduate/Postgraduate Students, Graduates/Early Career Professionals, Job Seeker's, Industry Professionals, SME's/MNC's

📈 Entry Level, Higher Education Course, Industry Upskilling, Training Grant

🎓 Professional Qualification, Industry Certification, NFQ Level 6

🌐 https://fit.ie/

"The FIT Tech Apprenticeship Programme brings increased diversity of experience and thinking and has enabled us to broaden our talent pool to shape the workforce we need to help clients succeed.

Participants from the programme have been hired as Accenture employees at the end of their journey".

Hilary O'Meara, Managing Director, Accenture

Programme Overview

The Tech Apprenticeship adopts a learing-by-doing format of ICT skills development, giving meaning to the concept of 'hire education'.

Over a two year period, this Tech Apprenticeship Programme combines off-the-job skills training with on-the-job application, and culminates in the Tech Apprentice attaining a QQI Level 6 Advanced Certificate.

The aim of the FIT Cybersecurity Apprenticeship is to enable the apprentice/learner to secure and retain employment in a computer network security role.

The Cybersecurity Specialist applies an understanding of cyber threats, hazards, risks, controls, measures and mitigations to protect organisations, systems and people.

The apprentice/learner should be able to combine technical communications, project management and personal development skills to meet the requirements of their employer and should be able to act autonomously or as part of a team as the occasion demands.

How It Works

Applicants can register their interest via the FIT website. Apprenticeship applicants are registered by SOLAS as the Regulatory Authority for the Apprenticeships.

Applicants will be required to complete an initial aptitude test and an interview with a Tech Apprenticeship Officer at FIT.

Applicants must be 18 years or older and must have achieved a passing grade in 5 or more subjects (to include Maths and English) at Ordinary Level in the Leaving Certificate.

For those who may not hold this certification, equivalence may be decided through a Recognition of Prior Learning procedure. Apprenticeship applicants will then be selected by interview with the prospective employer.

Value For Your Organisation

Tech Apprenticeships offer your company the opportunity to diversify your intake and reach untapped tech talent. As more and more companies see Tech Apprenticeships as the key to addressing the skills gap, why not join the long list of companies accessing talent via the apprenticeship route.

We currently engage with over 250 employers nationwide from large multinational companies, SME's and government agencies.

We have seen over a 94% retention rate of apprentices after they complete the programme being offered full-time employment.

For More Information Contact:
Vivienne Farrell,
Tech Apprenticeship Officer
viviennefarrell@fit.ie

IDA Ireland Training Grant

IDA sees investment in training by client companies as central to their ability to transform and future proof their businesses.
The Training Grant is a key component of the Transformation Pillar of IDA's new Strategy.

Information on these programmes can be found here.

IDA Ireland

Cybersecurity Practitioner Apprenticeship BSc (Hons) - UL

Online & the University of Limerick

3 Year Programme - Applications Close in June for a September Start

Postgraduate Students, Graduates/Early Career Professionals, Industry Professionals, Industry SME's & MNC's

Higher Education Course, Internship/Graduate Programme, Industry Upskilling (Advanced)

Honours Degree - NFQ Level 8

www.ul.ie/apprenticeships

UNIVERSITY OF LIMERICK
OLLSCOIL LUIMNIGH

Entry Criteria

- **Employers must be approved by UL & SOLAS and commit to support the apprentice throughout the programme**

- **Programme participants should hold an NFQ level 6 at minimum in a relevant area**

- **Advanced entry into Year 2 will be possible for students who hold a relevant Level 7 qualification in an ICT related discipline and have relevant work experience**

Programme Overview

Developed by industry for industry, this is a work based education programme which supports the development and knowledge base of cybersecurity amongst practitioners in organisations.

It combines practical implementation and learning in the workplace with blended learning through the University of Limerick. This apprenticeship programme aims to address this critical skills shortage of skilled professionals in Cybersecurity and provide a talent pipeline for industry.

The Cyber Ireland Cyber Security Skills Survey results have highlighted strengths and identified challenges, including Cybersecurity skills gaps (people lacking appropriate skills) and skills shortages (a lack of people available to work in cybersecurity job roles).

These shortages are affecting organisations of all sizes (micro, small, medium and large), across a range of sectors, including indigenous and foreign owned companies.

How It Works

This programme is structured for online and in person learning which minimizes time 'off the job'.

- Evening, day lectures and masterclasses will be scheduled for apprentices
- Apprentices attend on-campus a minimum of 1 day per week for labs and tutorials
- Apprentices will be registered on the UL Virtual Learning platform where they get access to programme content, examination and assessment requirements, electronic library and on-line collaboration spaces
- Participation in a Community of Practice allows participants to interact and engage in peer-to-peer learning activities
- Support from an industry mentor throughout the apprenticeship.
- Professional competencies and skills as well as linking on the job and off the job elements will be captured through significant reflective learning modules that are built into the programme and narrated on an ongoing basis through the years of study.
- In Year 3, apprentices undertake a capstone project based on their employer.

Target Partner / Company:

For Professionals who wish to:

- Enhance career prospects as a cybersecurity professional
- Quickly gain the knowledge to assess cyber risk and implement effective technical and organisational controls.
- Create, maintain, audit and improve systems to meet particular needs, often as advised by a business analyst or systems architect.
- Develop test protocols for hardware systems, software systems and the integration of both.
- Write diagnostic programs and design and write code for operating systems and software to ensure efficiency.

Benefits to the Employer:

- Developed by industry for industry
- Improves staff retention and productivity
- Addresses and tackles skills shortage
- Government subsidized qualifications

For More Information Contact:
Elaine Butler, Programme Manager
elaine.butler@ul.ie

Principal Engineer Apprenticeship DEng - UL

Online & at the University of Limerick

4 Years - Applications close in December for January Prequalifier Start

Postgraduate Students Industry Professionals, Industry SME's & MNC's

Higher Education Course, Internship/Graduate Programme, Industry Upskilling (Advanced)

Doctoral Degree - NFQ Level 10

www.ul.ie/apprenticeships

UNIVERSITY OF LIMERICK
OLLSCOIL LUIMNIGH

The Professional Doctorate in Engineering (DEng) can be undertaken by any Industry Professionals across a number of sectors including those in the cyber sector.

Programme Overview

The traditional doctorate focuses on preparing candidates for an academic career and is thus focused on training people to rigorously address scientific problems.

This qualification is aimed at those pursuing professional rather than academic careers. The DEng acknowledges that significant research takes place within the practitioner's workplace, therefore, making it the context for this DEng programme with the focus on solving real-world problems faced in the daily workplace.

The DEng Apprenticeship will equip apprentices with a diverse knowledge of technology principals, disruptive inventions and new designs, processes and techniques, as well as substantial knowledge at the cutting edge of industry and the forefront of academic research.

Through problem-solving, heuristics, theory of inventive problem solving, technical analysis and critical evaluation, apprentices will gain the ability to significantly contribute to the creative process.

How It Works

This programme is structured for online and in person learning which minimizes time 'off the job'.

- PP8001 is the Professional Portfolio qualifier. This will give you an understanding of the structure of the Professional Doctorate
- You are required to identify a problem that is significant to your industry or profession and to propose an appropriate approach to solving this problem
- 270 credits of work. 180 credits are allocated to the output of in-company research. This is delivered as a dissertation and is the culmination of your work
- 12 modules over four years combining traditional distance education with online learning and approximately 4 day face-to-face per semester
- A dedicated supervisor to support participants
- Participation in a Community of Practice. This will allow participants to interact and engage in peer-to-peer learning activities
- Support from an industry mentor within the company throughout the apprenticeship

Target Partner / Company:

For Professionals who wish to:

- ·Evaluate the relevance of current and emerging theories and practices within your area.
- ·Formulate effective solutions to complex, real-world problems common to your field.
- ·Apply current research to practical problems in the workplace.
- ·Design rigorous research that expands the professional body of knowledge in your field.

Entry Criteria:

- Employers must be approved by UL & SOLAS and commit to support the apprentice throughout the programme.
- Candidates would typically hold a 2.1 honours degree in a relevant area and five years' experience.
- The successful completion of the qualifier module (Professional Portfolio PP8001) prior to being offered a place on the programme

For More Information Contact:
Philomena Kelly, Programme Manager
philomena.kelly@ul.ie

Cyber Security Academy - Cyber Skills, Cyber Ireland & MTU

📍 Nationwide

📅 1 Week Academy in June

👤 Students <18 Who Have Completed 5th Year

📈 Pre-Entry: Career Promotion, Awareness

🎓 Digital Certificate

🌐 https://cyberfutures.ie

21

Programme Overview

As the need for trained cyber security professionals is continuing to increase, the academy aims to provide technical training to young people and educate the cyber workforce of the future.

The academy will be delivered mainly online with an on-site day for students close to the partner universities.

The students are introduced to the technical skills required to respond to security incidents and protect systems, such as penetration testing, ethical hacking and cryptography.

On the last day we will run a Capture-the-Flag competition on the Cyber Skills Cyber Range to allow the students to test their new skills and bring the week to an exciting close.

For some students, the academy can be a starting point for an exciting and varied career in cyber security. The week is aimed at students who have just completed their 4th or 5th year in school.

Vaule For Your Organisation

Companies have the opportunity to participate through sponsorship of course materials and merchandise, or by providing prizes for competitions that are held throughout the week.

Additionally companies can get involved by providing real-life cyber security scenarios that can be brought into the Capture-the-Flag competition.

For More Information Contact:
Aoife Long, Education & Public Engagement Manager
aoife.long@mtu.ie

CyberFutures