

We are excited to inform you about updates to the Foundation Year at Wrexham University, designed to give you an updated and relevant programme that better reflects the evolving needs of both Higher Education and the workforce. The new programme is now called the **STEM Foundation Year**, incorporating the named Foundation Years, which cover diverse areas including engineering, games, media, cyber, and computing within the Faculty of Arts, Computing, and Engineering (FACE).

Throughout this programme, you will experience a blend of common and subject-specific modules that will prepare you for your chosen field of study. You'll develop essential skills like academic writing, teamwork, communication, and collaboration—all while building a foundation in STEM-related subjects.

What's New?

As part of the **STEM Foundation Year**, you will take **three core modules** that focus on building your academic and personal skills:

- **Study Skills for Success:** Develop the academic skills you'll need throughout your university journey.
- **A Day in the Life:** Gain insights into the roles and responsibilities within your chosen field.
- **Collaborative Practice:** Work closely with students from different disciplines, learning to collaborate and solve real-world challenges.

In addition to these core modules, you will also select a **subject-specific pathway** based on your intended degree. Each pathway offers tailored modules that focus on developing skills specific to your area of interest

Subject Specific Pathways

Below are the subject specific pathways, including the common modules. Subject specific modules are highlighted.

STEM Foundation Year – Cyber and Computing			
Trimester 1	Study Skills for Success	A Day in the Life	Maths and Computing for Problem Solving
Trimester 2	Computer Hardware and Software	Foundations of Cyber Security	Collaborative Practice

This pathway introduces you to the essentials of computing, including hardware, software, and programming basics. You will gain foundational skills in cyber security, learning how to protect systems and data in an increasingly digital world. By the end, you'll have a strong understanding of key computing concepts and problem-solving skills, preparing you for further study in computer science or related fields.

STEM Foundation Year - Engineering			
Trimester 1	Study Skills for Success	A Day in the Life	Maths and Computing for Problem Solving
Trimester 2	Engineering Principles	Engineering Practice	Collaborative Practice

In the Engineering strand, you'll build a solid foundation in engineering principles, covering key topics like mechanics and materials. You will also develop the mathematical and practical skills necessary to tackle engineering problems. You will gain hands-on experience, equipping you with the knowledge and skills required for an engineering degree.

STEM Foundation Year – Games			
Trimester 1	Study Skills for Success	A Day in the Life	Games Studies
Trimester 2	Game Design Fundamentals	Game Design Project	Collaborative Practice

This pathway immerses you in the world of game design, from concept to creation. You will learn about game development fundamentals, such as storytelling, level design, and user

experience, while working on group projects to build your own game. This strand prepares you with both the technical and creative skills needed for a games degree.

STEM Foundation Year - Media			
Trimester 1	Study Skills for Success	A Day in the Life	Media Studio Essentials
Trimester 2	Media Production – Screen	Media Production – Sound and Music	Collaborative Practice

The Media pathway gives you hands-on experience in screen and sound production. You will explore key elements of media creation, from filming and editing to producing audio for different platforms. By the end of this pathway, you'll have an understanding of media production and the practical skills to pursue a degree in film, television, or digital media.

We believe these updates will provide you with the flexibility and skills necessary to thrive in today's fast-paced and interdisciplinary work environments.