

PROGRAMME SPECIFICATION

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UG Programme Directory

PG Programme Directory

Section 1 Regulatory Details

Awarding body	Wrexham University
Teaching institution	Wrexham University
Final award and programme title (Welsh)	Blwyddyn Sylfaen WUCCE Rhyngwladol (Peirianeg) BEng (Anrh) Peirianeg Awyrenegol a Mecanyddol (gyda Blwyddyn Sylfaen Ryngwladol) BEng (Anrh) Peirianeg Foduro (gyda Blwyddyn Sylfaen Ryngwladol) BEng (Anrh) Peirianeg Adnewyddadwy a Chynaliadwy (gyda Blwyddyn Sylfaen Ryngwladol) BEng (Anrh) Peirianeg Drydanol ac Electronig (gyda Blwyddyn Sylfaen Ryngwladol)
Final award and programme title (English)	WUCCE International Foundation Year (Engineering) BEng (Hons) Aeronautical & Mechanical Engineering (with International Foundation Year) BEng (Hons) Automotive Engineering (with International Foundation Year) BEng (Hons) Renewable & Sustainable (Engineering with International Foundation Year) BEng (Hons) Electrical and Electronic Engineering (with International Foundation Year)
Exit awards and titles	N/A
Credit requirements	(i) WUCCE International Foundation Year (Engineering): 120 credits in total at level 3. (ii) The integrated Bachelor Honours degree with International Foundation Year: 480 credits in total (120 credits at level 3)
Does the programme offer Foundation Year route?	Yes
Placement / Work based learning	No work-based learning or placements are offered within the International Foundation Year, however there are common shared modules which explore future career options and develop skills for employment.

Length and level of the placement	N/A
Faculty / Department	Faculty of Arts, Computing and Engineering (FACE)
HECoS Code	100114 Aeronautical and Mechanical Engineering 100201 Automotive Engineering 100163 Electrical and Electronic Engineering 100175 Renewable and Sustainable Engineering
Intake Points	September
Mode of Attendance	Full time
Normal Programme Length	1 year Full time (WUCCE) 4 years Full time (Integrated IFY)
Mode of Study and Location of delivery	On campus – Wrexham Plas Coch Campus
Language of delivery	English
Welsh Medium Provision	N/A
Professional, Statutory or Regulatory Body (PSRB) accreditation	WUCCE - Not accredited Integrated International Foundation Year.- Please refer to the degree programme specification for accreditation details. This information is correct at the time of validation, please refer to the PSRB register for current accreditation status.
External reference points	QAA UK Quality Code 2024 QAA Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies (FHEQ) Characteristics Statements for International Pathway Course (CSIPC) Credit and Quality Framework for Wales (CQFW) QAA Subject Benchmarking Statements: Engineering (2023)
Record of Prior (Experiential) learning	N/A
Is DBS check required on entry?	No
Does the Suitability for Practice Procedure apply to the programme?	No

Derogation to Academic Regulations	<p>WUCCE International Foundation Year (Engineering) – N/A</p> <p>Integrated with degree programme:</p> <p>BEng (Hons) Aeronautical & Mechanical Engineering (with International Foundation Year)</p> <p>BEng (Hons) Automotive Engineering (with International Foundation Year)</p> <p>BEng (Hons) Renewable & Sustainable (Engineering with International Foundation Year)</p> <p>BEng (Hons) Electrical and Electronic Engineering (with International Foundation Year)</p> <p>Students are not permitted to progress to the next level without passing the module LAN391 English for Academic Purposes. It is not permitted for students to resit this module alongside the next level of study.</p> <p>The English for Academic Purposes module is exempt from compensation due to this being an entry/progression requirement of the Bachelors programme.</p>
Date of Approval	16/072025
Date and type of Revision	<i>To be completed by Q&R</i>

Section 2 Programme Details

Aims of the programme

The IFY programme is designed to equip international students with the essential skills and knowledge required to apply for or progress onto undergraduate degrees in Engineering, Computing, and Business. By offering both standalone and integrated IFY options, the programme caters to students with diverse academic aspirations, broadening access to higher education while ensuring compliance with UKVI regulations and providing flexible progression pathways.

As a pre-university preparatory programme, the IFY enables students to enhance their English language proficiency, develop academic study skills suited to the UK Higher Education environment, and adapt to studying and living in a new cultural setting. In addition to language and study skills tuition, students engage in subject-specific modules aligned with their intended undergraduate programmes. This comprehensive approach allows them to transition into Level 4 studies alongside native English speakers with greater confidence in their language abilities, academic competencies, and subject knowledge. Wrexham University's commitment to international education and student success is reflected in this strategic and supportive pathway. The main programme aims are to:

- (i) To improve students' oral and written English language skills to IELTS 6.0 overall, with no band below 5.5.
- (ii) To enhance students' awareness and understanding of and competence in British culture, particularly also the sub-culture of British Higher Education, for the students to approach their UG studies effectively and with confidence.
- (iii) To provide academic and study skills sufficient to prepare students for subsequent study and academic success at undergraduate level.
- (iv) To provide students with knowledge, skills and understanding in key areas of cultural and socio-economic contemporary issues, both nationally and globally.
- (v) To provide underpinning subject-related skills and knowledge in key areas required for undergraduate study in specified subject disciplines, including Mathematics, Programming and Professional Practice as and where appropriate.
- (vi) To provide generic skills and academic knowledge to support student confidence and discipline appropriate for HE study.
- (vii) To provide appropriate subject-specific grounding, in terms of knowledge and skills, to support progression into degree level study in the specialist subject area of the intended degree award.

On successful completion of the WUCCE International Foundation Year, students will be eligible to enrol onto the 3 year degree programme in Engineering.

On successful completion of the Integrated International Foundation Year, students will progress to level 4 of their chosen route in Engineering.

Programme Structure Diagram, including delivery schedule

The IFY follows a structured and well-paced academic framework, ensuring that students develop essential skills and knowledge for successful progression to undergraduate study. The programme structure includes a combination of core and subject-specific modules delivered across two semesters, with a focus on academic skills, English language proficiency, and discipline-specific knowledge in Engineering.. The curriculum aligns with the Quality Assurance Agency (QAA) Characteristics Statement for International Pathway Courses and follows Wrexham University's Active Learning Framework (ALF), which integrates structured

learning experiences with asynchronous pre- and post-session activities to promote independent study.

The delivery schedule is designed to balance in-person teaching with independent learning, with a minimum of 15 hours of face-to-face contact per week, as required by UK Visas and Immigration (UKVI) regulations. The first semester focuses on foundational academic and language skills, including modules such as "Study Skills for Success" and "English for Academic Purposes." The second semester introduces discipline-specific modules, such as "Engineering Principles" and "Engineering Practice". This modular approach ensures a comprehensive learning experience, allowing students to build confidence in their subject knowledge, academic capabilities, and professional competencies before progressing to Level 4 studies.

WUCCE International Foundation Year (Engineering 1 Year Programme)

Student with IELTS 5.5 with no skill score below 5.0 will follow the structure below, with an additional module "English for Academic Support" which will provide additional teaching hours to support their language skills development in Semester 1.

Level	Module Code	Module Title	Credit Value	Core/Option	Delivery (i.e. semester 1,2)
Level 3	FY312	Study Skills for Success	20	Core	1
Level 3	LAN391	English for Academic Purpose	20	Core	1
Level 3	LAN392	English for Academic Support	N/A	Core	1
Level 3	COM397	Maths and Computing for Problem Solving	20	Core	1
Level 3	ENG397	Engineering Principles	20	Core	2
Level 3	ENG398	Engineering Practice	20	Core	2
Level 3	FY313	Collaborative Practice	20	Core	2

Integrated International Foundation Year (Engineering 4 Year Programme)

Students with IELTS 5.5 with no skill score below 5.5 will follow the structure below in the first year of their four year programme

Level	Module Code	Module Title	Credit Value	Core/Option	Delivery (i.e. semester 1,2)
Level 3	FY312	Study Skills for Success	20	Core	1
Level 3	LAN391	English for Academic Purposes	20	Core	1
Level 3	COM397	Maths and Computing for Problem Solving	20	Core	1
Level 3	ENG397	Engineering Principles	20	Core	2
Level 3	ENG398	Engineering Practice	20	Core	2
Level 3	FY313	Collaborative Practice	20	Core	2

Please refer to the relevant programme specification for the delivery structure for Levels 4-6:
[Wrexham University - Undergraduate Programme Specifications](#)

Programme Learning Outcomes

No.	Learning Outcome	K	I	S	P	Level 3
1	Explain the fundamental concepts, principles, techniques and issues which underpin future study at Level 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Examine the way in which their subject area relates to wider societal concerns	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Demonstrate the written and oral linguistic ability to study effectively at Level 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Collect and organise and apply information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Engage in Independent Learning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	Devise a plan to meet and reflect on personal and professional development needs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Identify the key fundamental skills of their subject discipline	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	Explain aspects of interdisciplinary collaboration in the context of their subject area	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Communicate ideas using oral, written and visual means of communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	Engage in team work to achieve a set task	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	Apply digital skills/capabilities in the context of their study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Demonstrate Time Management Skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Learning and teaching strategy

The learning and teaching strategy aligns with WGU's Active Learning Framework (ALF) and Strategy for Supporting Student Learning and Achievement (SSSLA), incorporating key employability skills. It is flexible, engaging, and responsive to student diversity and professional demands. A blended approach combines on-campus sessions with virtual study activities.

Face-to-Face Learning

Students will engage in lectures, seminars, and workshops in various settings, incorporating case studies and problem-based learning. Sessions will be recorded for later access via the Virtual Learning Environment (VLE).

Virtual Learning

Delivered through the VLE and Microsoft Teams, virtual learning includes asynchronous tasks (videos, quizzes, readings, virtual visits) and synchronous activities (discussions, case studies, simulations). Sessions will be recorded where appropriate.

Tutorials

Held both in person and online, individual and group active participation, critical thinking, and student-led learning.

Assessment strategy

As Level 3 provision, assessment strategies are designed to be supportive and to build confidence, whilst also ensuring that students engage with core material, develop the core and subject skills required for progression into and successful completion of undergraduate studies, and reward and incentivise students.

Assessment tasks are varied to facilitate students to evidence their learning and include portfolio, presentations, practical and oral assessment which promote authentic assessment and encourage the deeper learning that is a key feature of higher education. Formative assessment opportunities are embedded into each of the modules regularly and encourages students to reflect on their progress.

Students will be required to sit an external test for LAN391 English for Academic Purposes. The external test will be the IELTS Academic test (or equivalent), and students will be given guidance at the start of the programme on booking arrangements at the nearest test centre. Students will be required to cover the additional costs for external testing and resits associated with the module LAN391 English for Academic Purposes.

Students are not permitted to progress onto level 4 before passing module LAN391 English for Academic Purposes. Re-sits will be scheduled at the nearest available opportunity, ensuring students receive timely feedback and can apply their learning without prolonged delays. This approach supports academic progression and maintains engagement with the subject matter. Where a student does not pass the LAN391 English for Academic Purposes module and has no further resit opportunities available to them, they will be withdrawn from the programme due to academic failure.

Feedback on summative assessments is provided in written form via Moodle and will be available to students when grades are released. For formative assessments, feedback may be delivered in a variety of ways depending on the nature of the task. This may include immediate verbal feedback during in-person sessions or written feedback shared through Moodle. Students will be notified when grades and feedback are available to view.

Disclaimer

Throughout quality assurance processes we have ensured that this programme engages with and is aligned to:

- (i) Academic Regulations: <https://wrexham.ac.uk/academic-regulations-policies-and-procedures/>
- (ii) The University Skills Framework: <https://wrexham.ac.uk/careers/skills-framework/>
- (iii) Welsh Language Policy: <https://wrexham.ac.uk/about/welsh-at-wrexham-university/>
- (iv) Equality and Diversity Policy: <https://wrexham.ac.uk/about/equality-and-diversity/>
- (v) The Student Union offers support for students, please access their website <https://www.wrexhamglyndwrsu.org.uk/>