PROGRAMME SPECIFICATION

1. General information

Awarding body / institution	**Leeds Trinity University**
Teaching institution	**Leeds Trinity University**
'Parent' Faculty *(ICE / BCDI / SHS)*	**Business, Computing and Digital Industries**
'Parent' School	**Computer Science**
Professional accreditation body *(if applicable)*	**N/A**
Final award *(eg. BA Hons)*	**BSc (Hons) with Foundation Year in Computing**
Title of programme(s)	**BSc (Hons) Computer Science with Foundation Year in Computing** **BSc (Hons) Computer Science with Artificial Intelligence with Foundation Year in Computing** **BSc (Hons) Computer Science with Cyber Security with Foundation Year in Computing** **BSc (Hons) Computer Science with Games Development with Foundation Year in Computing**
Subsidiary award(s) *(if any)*	**Ordinary Degree (with Foundation Year)** **Diploma of Higher Education (with Foundation Year)** **Certificate of Higher Education (with Foundation Year)** **Foundation Certificate in Computing**
Honours type *(Single / Joint / Combined)*	**Single after progression to Level 4**
Duration and mode(s) of study	**4 years full-time (one of these is a foundation year)**
Month/year of approval of programme	**February 2024**
Start date (this version) *(month and year)*	**September 2024**
Periodic review next due *(academic year)*	**As scheduled**
HECoS subject code(s)	**100366 computer science**
UCAS course code & route code **(available from Admissions)**	
SITS codes *(Course / Pathway / Route)* **(available from Student Administration)**	
Delivery venue(s)	Horsforth Campus…….No City Campus……...Yes Partner Institutions: Waltham International College

2. Aims of the programme

Rationale and general aims, including what is special about this programme
(from the student's and a marketing perspective)

The aim of the Foundation Year is an alternative entry route for undergraduate study, promoting a widening of participation in higher education. For example, you might not have the usual entry requirements to commence learning at Level 4 or have been out of education for a number of years.

The Foundation Year aims to provide you with an introduction to key computing skills, where you will be encouraged to develop your skills in coding, testing, reflection and other related topics, whilst gaining specialised tuition in core academic skills. Through this process it is anticipated that your confidence and readiness for Level 4 study will be enhanced.

On completion of the Foundation Year, you should be well equipped to go on to Level 4 study on one of the named linked honours degree programmes in computer science.

3. Student learning outcomes of the programme

Learning outcomes in terms of:

- **knowledge and understanding (K)**
- **intellectual / cognitive / 'thinking' skills (I)**
- **practical skills specific to the subject (P)** *(for example, lab skills and similar)*
- **employability skills (postgraduate) (E) or attributes and skills (undergraduate) (AS)**

The 'K1', etc codes are used in section 7b) and module descriptors to refer to each of these learning outcomes.

On successful completion of the programme, students will have demonstrated

K1 **Subject Knowledge** - knowledge and understanding of the subject of computing and computer applications. This includes relevant academic and professional standards and commercial contexts as required to practise in the subject specialism.

K2 **Currency of Knowledge** - knowledge and understanding of a range of standard and emergent technologies, programming tools and methodologies, computational thinking and problem-solving strategies and techniques.

K3 **Contextual Knowledge** - knowledge of a range of issues (moral and ethical, legal, social, environmental and commercial) relevant to professional practice in the subject specialism.

K4 **Commercial Understanding** - knowledge of business concepts and principles, understanding the broader economic, organisational and market context in which computing solutions are developed and deployed.

I1 **Problem Solving** - the ability to identify, use and justify problem-solving techniques to satisfy a set of given requirements, as an individual and within a team.

I2 **Investigation** - the ability to carry out investigations to support software development, including the specification, design and development processes.

I3 **Analytical Perspective** - the ability to use appropriate strategies to tackle computing problems, guided by theoretical understanding of the subject area.

Employability skills

E1 **Self-management** – the ability to plan and manage time; readiness to accept responsibility and improve their own performance based on feedback/reflective learning; the ability to take initiative and be proactive, flexible and resilient;

E2 **Teamworking** – the ability to co-operate with others on a shared task and to recognise and take on appropriate team roles; leading, contributing to discussions and negotiating; contributing to discussions; awareness of interdependence with others;

E3	**Business and sector awareness** – an understanding of the key drivers for business success, including the importance of customer/client satisfaction and innovation; understanding of the market/sector in which an organisation operates; the ability to recognise the external context and pressures on an organisation, including concepts such as value for money, profitability and sustainability;
E4	**Problem-solving** – a capacity for critical reasoning, analysis and synthesis; a capacity for applying knowledge in practice; an ability to retrieve, analyse and evaluate information from different sources;
E5	**Communication** – the ability to present information clearly and appropriately, both orally and in writing, and to tailor messages to specific audiences and purposes;
E6	**Application of numeracy** – a general awareness of mathematics and its application in practical contexts; the ability to carry out arithmetic operations and understand data, to read and interpret graphs and tables and to manage a budget;
E7	**Application of information technology** – the ability to identify the appropriate IT package for a given task; familiarity with word-processing, spreadsheets and file management; the ability to use the internet and email effectively.
E8	**Entrepreneurship/enterprise** – the ability to demonstrate an innovative approach and creativity, to generate ideas and to identify and take opportunities;
E9	**Social, cultural & civic awareness** – embracement of an ethos of community and civic responsibility; an appreciation of diversity and ethical issues; an understanding of cultures and customs in the wider community.

3a External benchmarks

Statement of congruence with the relevant published subject benchmark statements *(including appropriate references to any PSRB, employer or legislative requirements)*
All Leeds Trinity University programmes are congruent with the Frameworks for HE Qualifications (FHEQ) and, where appropriate, the Qualifications and Credit Framework (QCF) (formerly National Qualification and Credit Framework (NQF)).

4. Learning outcomes for subsidiary awards

Guidance	
The assessment strategy is designed so that each of these outcomes is addressed by more than one module at Level 3.	**Generic Learning outcomes for the award of Foundation Certificate in Computing:** On successful completion of 120 credits at Level 3, students will be able to access this award if they formally state that they do not wish to further pursue their studies at Level 4 on the linked pathways for the Foundation Year in Computing. They must have demonstrated an ability to: i) describe and be able to employ key concepts in coding; ii) outline and enact the effective web-design; iii) communicate their knowledge and awareness coherently, using appropriate scholarly conventions and techniques;

	iv) undertake a sustained project on a topic directly related to computing.

5. Content

Summary of content by theme (providing a 'vertical' view through the programme)
The Computing Foundation Year is designed to provide you with: (1) an introduction to computing (2) the skills that will allow you to make a successful progression to Level 4 study and (3) an opportunity to undertake a sustained investigation on a topic of your choice in an area related to your intended future undergraduate studies. The modules of the Computing Foundation Year give a good underpinning knowledge of the key concepts and skills that will be built upon in subsequent years.

6. Structure

BSc Foundation Year in Computing
Duration: 1 year full-time

Total credit rating: 120 (60 ECTS) (for those not progressing to Level 4 on a linked Computer Science degree)

Level 3 – with effect from September 2024

Core: Students are required to take:

COM3003	Programming	Sem 1	30 credits
COM3113	Academic Skills and Studying with Confidence	Sem 1 & 2	30 credits
COM3013	Web Technologies	Sem 2	30 credits
COM3043	Core Topics in Computing	Sem 1 & 2	30 credits

7. Learning, teaching and assessment

7a) Statement of the strategy for learning, teaching and academic experience for the programme

The University's Learning, Teaching and Academic Experience Strategy informs the design of your programme. You can find more information about learning, teaching and assessment for your programme (including information on Integrated Assessment) within the relevant Assessment Handbooks.

A progressive learning structure is built into the course design, with the course being aligned to the central goals and objectives of the University's Learning, Teaching and Student Experience Strategy. Students will be engaged in active, participatory learning to enable an environment where progress and growth are central. You will be encouraged to develop critical thinking and analysis skills that will be the bedrock of active enquiry, practical research skills and collaborative and individual projects.

You will have formative assessments throughout your studies, which are designed to check your progress and enable you to learn from earlier work. This will usually take the form of feedback on specific tasks given in teaching sessions, online feedback, or feedback on outline plans for assessed work.

7b) Programme learning outcomes covered

Level 3	**Assessed level learning outcomes**								**Skills development**								
	K1	**K2**	**K3**	**K4**	**I1**	**I2**	**I3**		**E1**	**E2**	**E3**	**E4**	**E5**	**E6**	**E7**	**E8**	**E9**
Lighter or hatched shading indicates modules that are not core, ie. not all students on this programme will undertake these.	Subject Knowledge	Knowledge Currency	Contextual Knowledge	Commercial Understanding	Problem Solving	Investigation	Analytical Perspectives		**Self-management**	**Teamworking**	**Business and sector awareness**	**Problem-solving**	**Communication**	**Application of numeracy**	**Application of IT**	**Entrepreneurship / enterprise**	**Social, cultural & civic awareness**
COM3003 Programming	■	■	■		■	■			■		■	■	■	■	■	■	
COM3013 Web Technologies	■	■	■	■	■	■	■		■		■	■	■	■	■	■	
COM3043 Core Topics in Computing	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■
COM3113 Academic Skills and Studying with Confidence				■	■	■	■		■	■	■	■	■				

8. Entry requirements

Do the University's standard entry requirements apply (as outlined within the University's Admissions Policy)?	Yes
Detail of any deviation from and/or addition to the University's standard entry requirements (if applicable)	Applicants should normally have achieved the following prior to registration for the programme: 5 academic or vocational qualifications, of which at least one of which should be a GCE 'A' level (or equivalent at Level 0) and two of these should be GCSE English Language and Mathematics at grade C or above (or equivalent). For such students the entry tariff will usually be 32 tariff entry points or above at entry to the foundation year. It is not a requirement that one 'A' level should be in Computing or a related subject. A wide range of other subjects can be considered relevant. For students whose first language is not English, a pass in an approved test in English is needed, e.g. the International English Language Testing Service (IELTS), with no component below 5.5, or equivalent test. Applications are welcome from mature students with few or no formal qualifications. Any previous relevant work experience and learning will be assessed and, where appropriate, accredited as part of the application process. Please see Leeds Trinity's Recognition of Prior Learning Guidelines and Procedure.

9. Progression, classification and award requirements

Details of requirements for student progression between levels and receipt of the award(s) (A certain level of attainment which must be achieved in a specific module; any modules exempted from condonement, any deviation from the standard institutional stipulations for award classification, e.g. exclusion of Level 4 module marks from Foundation Degree classification)
The following regulations apply, together with the General Academic Regulations: • Programme Regulations for the Foundation Year • Programme Regulations for Taught Undergraduate Degrees. You will have to pass the Foundation Year to progress to a named linked honours degree programme.

10. Prerequisites

Details of modules students must study and achieve credit for before enrolling on a module at a higher level, or attaining their final programme award
N/A.

11. Additional support needs

Arrangements made to accommodate students with additional support needs and any unavoidable restrictions on their participation in the programme/scheme
Students with disabilities or other support needs are welcome and are expected to be able to participate fully in this programme. Arrangements will be made, via the normal University support systems, to accommodate students with additional support needs wherever possible, with reasonable adjustments made to accommodate individual needs.