



Computing Pathways

A strong foundation for a bright future

International Centre of Excellence – ICE

The International Centre of Excellence (ICE) has been established by iQualify UK, a British education provider, with the aim of providing both professional trainings and transnational education consultancy to develop the human capital in Pakistan. The centre has developed an ecosystem that enables academicians and professionals from UK's higher education institutions to join resources with one of Pakistan's largest university, to carry out capacity building projects along with developing our future generation of leaders and entrepreneurs.



Recognised by Higher Education Commission in Pakistan as well as globally:

BTEC Higher National Diplomas are recognised by Higher Education Commission (HEC) of Pakistan and are also accepted globally by universities/ accreditation bodies as equivalent to Level 5 or a Foundation Level Degree.



Study with the top-notch Academics and Industry experts from the UK and Pakistan:

ICE has a team of experienced academics from universities across the UK, Pakistan and industry experts that are willing to create the future global leaders and entrepreneurs in Pakistan in their respective fields of work.



Direct Entry into University Programmes:

Awarded by Pearson, BTEC's HND is designed to provide you with the skills for your choice of field of work and can lead you straight to a relevant career path. You can also convert your HND to a bachelor's degree from the UK with a top up. Once you complete the course, it can allow you an entry into second or third year of a bachelor's degree course in various universities.



Affordable for all:

The HND programme at ICE is highly convenient for students along with being more affordable as compared to the similar level of qualifications, enabling you to study for a better future without getting burdened by hefty student loans.

Table of Content

A programme designed to ensure your future success	03
A well-defined pathway for you	05
Choosing your pathway	07
HND Computing – Computing (General)	08
HND Computing – Software Engineering	10
Taking you further ahead	12
Entry Requirements	14



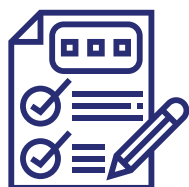
A programme designed to ensure your future success:

BTEC is the world's most successful and best-loved applied learning brand, engaging students in practical, interpersonal and thinking skills for more than thirty years. Pearson BTECs are work-related qualifications for students taking their first steps into employment, or those already in employment and seeking career development opportunities. Pearson BTECs provide progression into the workplace either directly or via study at university and are also designed to meet employer's needs. Pearson BTEC Higher National qualifications are therefore widely recognised by industry and higher education as the principal vocational qualification at Levels 4 and 5.

Do you know?

The **Pearson BTEC Higher National Certificate (HNC)** is at level 4 (the same as the first year of a UK honours degree).

The **Pearson BTEC Higher National Diploma (HND)** is at level 4 and level 5 (the same as the first two years of a UK honours degree).



Why should you choose BTEC Higher Nationals?

Pearson BTEC Higher National qualifications are designed keeping in focus what is important for your academic and professional future. Delivered via our faculty at International Centre of Excellence (ICE).

Some of the areas focused while designing these qualifications are:



Essential subject knowledge

All the essential knowledge needed by students to progress successfully into further study or to the world of work;



Simplified structure

Our simplified structure allows students to undertake a substantial core of learning at level 4 and to build on this at level 5, with optional units linked to their specialist area of study;



Six specialist pathways

Our six pathways at level 5, so there is something to suit each student's preference of study and future progression plans;



Latest content

Content that is closely aligned with professional bodies', employers' and higher education needs for a skilled future workforce;



Cognitive skills

Assessments that consider cognitive skills (what students know) along with affective and psychomotor skills (what they can do and how they behave);



Assessment strategy

An assessment strategy that supports progression to Level 6 studies and also allows the college to offer assessment relevant to the local economy, reflecting the strengths of different learning styles;



Professional standards

Learning outcomes mapped to professional standards where appropriate.



Quality assurance measures

Our assurance measures ensure that serve to ensure that all stakeholders (e.g. professional bodies, universities, businesses, the college and students) can feel confident in the integrity and value of the qualification.



A well-defined pathway for you:

Entry points: A level 3 qualification, for example a BTEC Level 3 or A-Level, Access to HE Diploma



Level 4 Higher National Certificate
(120 Credits)



Level 5 Higher National Certificate
(120 Credits)



Full time
employment



Level 6
Honours degree
programme



Professional body
qualifications



What is the difference between an HNC and an HND?

Higher National Certificate (HNC)	Higher National Diploma (HND)
Equivalent to the first year of a University degree.	Equivalent to the first and second year of a University degree.
Usually a more introductory programme with a 'core' of learning essential to the subject (some sectors may have more specialist content depending on level of entry to the job market).	A more specialised programme of learning with pathways linked to occupational outcomes
Opportunities to develop project management skills .	An increased focus on research skills .

Assessment for both years will be through a varied programme of assignments.
Core modules credit values may vary by subject but will not be less than 30% of the whole qualification.





Choose the Progression Pathway of your choice:

The Pearson BTEC Level 5 Higher National Diploma in Computing offers students six specialist pathways designed to support progression into relevant occupational areas or on to degree-level study. These pathways are linked to Professional Body standards and vendor accredited certification (where appropriate) and can provide professional status and progression to direct employment. The Pearson BTEC Higher National Diploma offers the following specialist pathways for students who wish to concentrate on a particular aspect of computing at ICE:

Software Engineering

Computing (General)



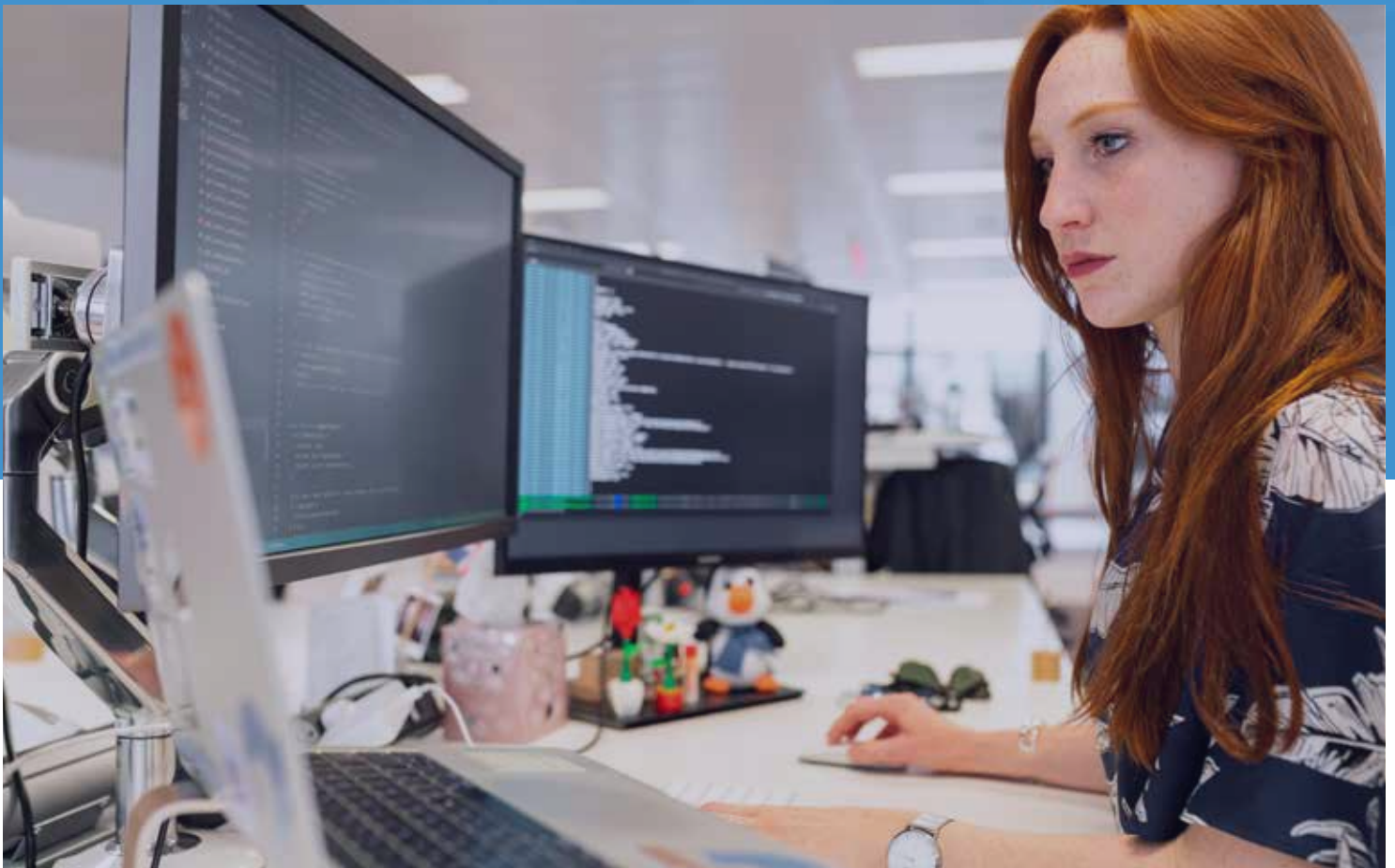


HND Computing: Computing (General):

Level 5 qualification (equivalent to the second year of a UK Bachelor's Degree) with an embedded level 4 qualification, the HNC

HND in Computing has been developed to prepare students for various tasks and situations they are likely to face as an IT professional. The Pearson BTEC Level 5 HND in Computing also looks into the future trends in preparation for the changes that may affect this ever evolving industry.

The non-specialist 'Computing' pathway allows students to complete a Pearson BTEC Higher National Diploma without committing to a particular professional specialism. This offers additional flexibility to students to choose their specialisation in future.





Course Contents:



Each individual unit carries 15 credits. You are required to complete 240 credits to secure your HND in Computing.

YEAR 1:

- Programming
- Networking
- Professional Practice
- Database Design & Development
- Security
- Managing a Successful Project
- Software Development Lifecycles
- Maths for Computing

YEAR 2:

- Computer Research Project
- Computer Intelligence
- Network Management
- Advanced Programming
- Systems Analysis
- E-Commerce
- Virtual and Augmented Reality Development



HND Computing: Software Engineering:

Level 5 qualification (equivalent to the second year of a UK Bachelor's Degree) with an embedded level 4 qualification, the HNC

HND in Computing (Software Engineering) is designed to help you develop advance knowledge and skills required for a career in the fields of Software Engineering. Along with providing further progression in Software Engineering qualification, this two – year course is also an ideal qualification for students taking their first step into employment, or for those already in employment and seeking career development opportunities.

The Software Engineering pathway allows students to study a variety of subjects, including the Development of Information Systems, Advanced Programming, Professional Practice, Computing Research Project, Robotics and Artificial Intelligence.





Course Contents:



Each individual unit carries 15 credits. You are required to complete 240 credits to secure your HND in Software Engineering.

YEAR 1:

- Programming
- Networking
- Professional Practice
- Database Design & Development
- Security
- Managing a Successful Project
- Software Development Lifecycles
- Maths for Computing

YEAR 2:

- Computer Research Project
- Computer Intelligence
- Discrete Maths
- Data Structures and Algorithms
- Advanced Programming
- E-Commerce & Strategy
- Virtual & Augmented Reality Development



Taking you further ahead:

On successful completion of the Level 5 Higher National Diploma, students can develop their careers in the professional sector through:

- Entering employment;
- Continuing existing employment;
- Linking with the appropriate Professional Body;
- Committing to Continuing Professional Development (CPD); or
- Progressing to university.

Academic Progression:

HND students quite often go on to university to convert and 'top up' their credits into a full degree in a related subject. Because the credits earned on an HND are equivalent to the first two years of an undergraduate programme, many universities can give you a place on the third or final year of a degree course (instead of making you start at the beginning). For the list of universities offering progression routes for Higher Nationals, please visit: <https://www.highernationals.com/degree-finder>

Some of the noted universities in the UK offering progressions to various HND Computing routes include:

- | | |
|-----------------------|----------------------------------|
| - Teesside University | - London Metropolitan University |
| - The Open University | - University of Sunderland |



Taking you further ahead:

Career progressions:

BTEC Higher National Qualification

- Computing

Pathways

- General Computing
- Software Engineering

A few examples of typical jobs after HND General Computing

- Data Designer
- Database Administrator
- IT Support Technician
- System Analyst
- Systems Tester
- IT Project Manager
- Web Designer

A few examples of typical jobs after HND Software Engineering

- Software Developer
- Business Analyst
- Web Developer
- Systems Designer
- Games Developer



Entry Requirements:

For entry in an HND programme, the student must have **at least one of the following** in academics:

- A BTEC Level 3 qualification in Computing
- A GCE Advanced Level profile that demonstrates strong performance in a relevant subject or adequate performance in more than one GCE subject. This profile is likely to be supported by GCSE grades at A* to C (or equivalent) and/or 9 to 4 (or equivalent)
- Other related Level 3 qualifications
- An Access to Higher Education Diploma awarded by an approved further education institution
- Related work experience
- An international equivalent of the above. An applicant who does not have GCSE Grade C or above for English Language and Mathematics or equivalent(s) will be required to undertake appropriate literacy and numeracy tests.

If an applicant does not meet the above admissions requirements, they may still be considered based on individual knowledge, skills and academic suitability for the programme.

English Language Requirements

- IELTS 5.5, with a minimum of 5.5 in both Reading and Writing
- CEFR level B2
- PTE 51
- Or approved equivalent.

Mode of Delivery and Duration of the Programme:

The students will have a choice between on-campus or online classes from anywhere in Pakistan. HND programme takes 2 years to complete.

Study Material and Support:

All online study materials and student handbooks are supplied. You will be allocated a tutor for academic support who you can contact as required by phone and email. You will also have access to a Student Support Coordinator for administrative support. You will also complete an online induction and have access to an online virtual learning environment.

Assessment:

Students are assessed through practical tasks, work projects, assignments and written work during their time on the course.

Fees:

The total fee payable to International Centre of Excellence (ICE) for 2020–2021 will be published on our website once confirmed. For the latest information on programme fees, please visit: <https://ice.iqualifyuk.com>

Apply now



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