

HND IN COMPUTING

Program Description:

Pearson BTEC Higher National Diploma in Computing is to develop students as professional, self-reflecting individuals able to meet the demands of employers in the computing sector and adapt to a constantly changing world. The qualifications aim to widen access to higher education and enhance the career prospects of those who undertake them

Qualification:

On successful completion of the program you will be awarded Pearson BTEC Level 5 HND Diploma in Computing

Program Duration:

The BTEC level 5 HND Diploma in Computing is studied over a period of 18 months.

About HND:

1. HND contains the knowledge and skills students need to succeed at degree-level study and beyond.
2. Created with extensive input from employers and professional bodies; learner is provided with both the theory and skills relevant to their chosen profession.

Successful BTEC Higher National graduates:

- Have the ability to progress into suitable employment in the work place.
- Are able to gain exemptions and progress into Honors degree program in relevant subjects.
- Are able to apply for membership in professional bodies.

Course content (Modules):

Level 4 Units:

1. Programming
2. Networking
3. Professional Practice
4. Database Design and Development
5. Security
6. Managing successful Computing Project
7. Software Development Lifecycle
8. Website Design and Development

Level 5 Units:

1. Computing Research Project
2. Business Intelligence
3. Network Management
4. Client Server Computing

Specialist Units

Network Engineering Pathway

- Transport Network Design
- Cloud Computing
- Network Security

Software Engineering Pathway:

- Discrete Mathematics
- Data Structures and Algorithm
- Advanced Programming

Security Pathway:

- Cryptography
- Forensics
- Information Security Management

Intelligent Systems Pathway:

- Data Structures and Algorithm
- Machine Learning
- Artificial Intelligence

Pathway: 

