

# Prepare for your future in IT

## HNC in Computing (Harrow)



# Why HNC in Computing at Harrow College? (LEVEL-4)

- A university level course, less than the university fees! (Approx £5750 per year)
- Be career ready! Your IT knowledge will give you a fantastic career head start
- On completion, progress to our own HND in Computing course which is part of our new Institute of Technology (IOT) or progress to University.
- Completion of the HND in Computing will allow you to progress to 3<sup>rd</sup> year at Hertfordshire, Middlesex, South bank , London metro universities and etc.

# Course highlights:

- Meet professionals and get up-to-date information related to Cyber security, Software development, ERP & SaaS Innovation.
- This year, students have worked on an IOT project set by Heathrow Airport professionals to assess the use of biometrics during the check-in process (IOT - Institute of Technology)
- Understanding the latest cyber security and strategic information systems
- Learn software development approaches using Java and application developments
- Awareness of the importance of the professional practices and continued professional development (CPD)

# HNC IN Computing course content:

- Programming (Vb.Net or Java)
- Networking ( Latest Packet tracer software)
- Professional Practice
- Database Design & Development (Access or Sql)
- Security
- Managing a Successful Computing Project (Pearson-Set)

*Plus two optional units:*

- Strategic Information Systems
- Website Design & Development

## Sample VB.NET program

The screenshot shows a Windows application window titled "BPL Sales And Delivery System". The interface is divided into several sections:

- Action Center:** A section for adding items to the cart. It includes a dropdown menu with "Perfume" selected, a quantity input field set to "1", and "Add" and "Delete Item" buttons.
- Personal Details:** A section with input fields for "First Name", "Last Name", "Contact No", and "Email".
- Delivery Details:** A section with input fields for "Door Number", "Address Line 1", "Postcode", and "Date" (set to "01 May 2019").
- Cart Table:** A table with columns "Item", "Quantity", "Price", and "Delivery". It is currently empty.
- Summary Table:** A table at the bottom right showing financial totals: "Qty: 0", "Subtotal: £0", "Delivery: £0", "VAT: £0", and "Total: £0".
- Buttons:** A "Complete Purchase" button is located at the bottom center of the window.

# Progression routes:

- **Ready for work?** You'll have comprehensive IT knowledge to pursue employment in the IT sector.
- **Keen for further study?** You can go on to university to study a degree programme, or progress onto an HND in Computing course here at Harrow College.
- **Specialise?** HCUC (Harrow College & Uxbridge College) is proud to be one of only 12 Institutes of Technology (IoT) in the country.

# Entry requirements:

- English and Maths GCSEs grade 9-4 (A\* - C) or equivalent and a UCAS Tariff of 48 points from a related full Level 3 qualification such as A-Level, BTEC or Access to Higher Education (Diploma - MP or Extended Diploma - PPP)
- International students also require an IELTS score of 5.5 or above.
- Mature students with relevant work experience with programming back ground and/or professional qualifications are also welcome to apply.

# HND IN Computing course content (Level-5):

Upon completion of HNC in Computing, students will learn the following units during level-5

- Research Computing Project (Pearson-Set)
- Business Intelligence (Advanced Excel and/or BI software)

Plus FIVE optional units:

- Advanced Programming (Java using Netbeans)
- Games developments (Unity software is used to develop games)
- Application development
- Emerging Technology
  - Database management system (Sql Database)

```
package addition.calculation;
import javax.swing.JOptionPane;

Public class Calculator_Operations|{
    double add (double x, double y)
    {
        double add = x+y;
        return add;
    }

    double subtract (double x, double y)
    {
        double subtract = x+y;
        return subtract;
    }

    double division (double x, double y)
    {
        double division = x+y;
        return division;
    }
}
```

# Next steps:

- We're recruiting new students now with the course starting in September 2020.
- The purpose of the HNC in Computing is to develop students as professional individuals able to meet the demands of employers in the computing sector and adapt to a constantly changing world.
- Are you ready to apply?