

BTEC Level 5 HND Diploma in Computing & Systems Development

Edexcel



Online-based distance learning

Qualification

On successful completion of the programme you will be awarded a BTEC Level 5 HND Diploma in Computing and Systems Development.

Awarding Body

Edexcel

Course Description

This programme will provide you with a range of skills in a technological and management context. It is highly relevant to a range of careers in the IT sector such as information system design and management, IT manufacturing, IT maintenance and technical services areas, e-business strategy and/or technical support, systems analysts, software engineers and developers.

The BTEC Level 5 HND Diploma in Computing and Systems Development can be studied as a stand-alone programme or can form part of a three-year degree programme – Anglia Ruskin University BSc (Hons) Business Computing. Successful completion of the HND allows direct entry to a one-year top-up to Honours Degree.

Mode

Online distance learning

Course Content (Modules)

Comprises 8 units for the HNC and a further 8 units for the HND:

1. Business Skills for e-Commerce

- Structure and aims of business organisations
- Impact of e-commerce
- Design e-commerce solutions

2. Computer Systems

- Function of computer systems
- Design computer systems
- Build and configure computer systems
- Undertake routine maintenance on computer systems

3. Employability & Professional Development

- Personal and professional development
- Interpersonal and transferable skills
- Dynamics of working with others
- Strategies for problem solving

4. Database Design Concepts

- Databases and data management systems
- Database design techniques
- Design, create and document databases

5. Network Technologies

- Networking principles
- Design networked systems
- Implement and support networked systems

6. Quality Systems in IT

- Quality assurance in IT systems
- Standard quality control documentation
- Project management tools

7. Website Design

- Commercial impact and potential of virtualisation
- Design virtualisation deployments
- Implement virtualisation deployments
- Manage virtualisation environments

8. Networking Infrastructure

- Principles of network infrastructure management
- Design complex network infrastructure systems

- Implement complex network infrastructure systems
- Test complex network infrastructure systems

9. Information Systems in Organisations

- Information needs within different functional areas of organisations
- Compare information systems
- Use information systems to produce management information

10. Systems Analysis and Design

- Understand different systems life cycles
- Understand the importance of a feasibility study
- Be able to perform a systems investigation

11. Local Area Networking Technologies

- Impact of LAN technologies
- Design LAN infrastructures
- Implement LAN infrastructures
- Manage LAN infrastructures

12. Network security

- Impact on the social and commercial environment of network security design
- Design network security solutions
- Implement network security solutions
- Manage network security solutions

13. Internet Server Management

- Internet technologies
- Internet server architectures
- Implement internet server and services
- Manage internet server and services

14. IT Security Management

- Risks to IT security
- Mechanisms to control organisational IT security
- Manage organisational security



“Distance learning proves to my Manager that I can be serious about my career progression. I have a broader understanding of business and I am learning more about myself at work and in my personal life through my study habits.”

Gavin Dell, HND Business (Management) – Edexcel

15. Wide Area Networking Technologies

- Impact of WAN technologies
- Design WAN infrastructures
- Implement WAN infrastructures
- Manage WAN infrastructures

16. Project Design, Implementation and Evaluations

- Formulate a project
- Implement the project
- Evaluate the project outcomes
- Present the project outcomes

Assessment

Assessment is via a mix of assignments, one examination and a project.

Duration of Programme

The BTEC Level 5 HND Diploma in Computing and Systems Development is normally studied over a period of two years but can be extended to a maximum of four years.

The maximum study period for each module is up to 6 months.

Entry requirements

The standard entry requirements are as follows:

- An A Level pass or equivalent.
- English language ability equivalent to IELTS 5.5

Applicants whose educational qualifications do not meet the standard entry requirements but have at least two years full-time work experience will be considered on an individual basis.

What's Included

RDI's virtual learning environment ilearn is used to deliver all resources for this course including:

- Study materials - Access electronic copies of your learning materials and important information, such as assessment instructions, whenever and wherever you are.
- Tutor support - Tutors use live chats and forums to stimulate discussions, request input and highlight external sources.
- External resources - Links to external sources can include key journal articles, your university's online library, sites of topical interest, etc.
- Discussion with other students - Forums allow students to come together, share thoughts and ideas and you can initiate topics that you want to discuss with your fellow students.

Workload

We recommend an average of 8-10 hours study time per week for this programme.

Exemptions

No exemptions are allowed for this programme.

Enrolment dates

November, February, May and August

How to Apply

In addition to a completed application form:

- Copies of your relevant certificates and/or transcripts.
- One suitable reference. Please note we can only accept academic and/or professional work references.
- Copy of you CV detailing your work history (if you do not have A Levels).

W Apply Online
Visit our website: www.rdi.co.uk/apply

@ Email Us
Email applications@rdi.co.uk

☎ Call Us
Contact us today on FREEphone
0800 COURSES / 0800 268 7737

What You Could Study Next

Successful completion of the programme may allow you entry to:

Anglia Ruskin University BSc (Hons) Business Computing (Final Year Top-up)