



## **NCV: INFORMATION TECHNOLOGY AND COMPUTER SCIENCE**

The Information Technology and Computer Science programme is aimed at learners who are interested in pursuing a career or further studies in the IT industry. The programme is predominantly skills-focused and integrates with academic knowledge.

The programme follows the National Certificate Vocational (NCV) curriculum. Successful learners receive a qualification at the end of each academic year.

The programme seeks to provide learners with essential industry-related skills, simulated practical and work experience and improve a learner's employability post qualification.

### **Curriculum**

- English first additional language
- Life Orientation
- Mathematics or Mathematical Literacy

#### **NCV 2**

- Introduction to Information Systems
- Electronics
- Introduction to Systems Development
- Multimedia Basics

#### **NCV 3**

- Systems Analysis and Design
- Computer Hardware and Software
- Principles of Computer Programming
- Multimedia Content

#### **NCV 4**

- Systems Analysis and Design
- Data Communication and Networking
- Computer Programming
- Multimedia Services

### **Entry requirements**

- Grade 9 certificate
- Maximum age restrictions apply per year

### **Contact details:**

 [cpc@curro.co.za](mailto:cpc@curro.co.za)

[www.curro.co.za](http://www.curro.co.za)

## **QUICK FACTS**

**Language:** English

**Qualification:** National Certificate Vocational  
**Controlled class sizes**

**College times Monday to Friday:** 08:00 – 17:00

**No-homework model**

**Progressive education through a modern  
technology-rich environment**

### **What can I do with an NCV 4 in Information Technology and Computer Science?**

- Go to university
- Go to college
- Join the workforce
- Start my own venture

### **What will I learn?**

- Multimedia content development
- Web design
- Computer programming in multiple languages
- Database application development (SQL)
- Information processing and analysis
- Electronic circuits
- Analysis of organisational systems
- Program design
- The systems development life cycle (SDLC)
- Reporting
- Error-handling
- User interface and output design
- Computer architecture
- Computer technician skills
- Design and installation of computer networks

### **Why is this the right place for me?**

- I know that I want a career in IT.
- I want to develop skills that will be useful in the workplace.
- I want to have access to experts in the industry.
- I don't want to study subjects that will not benefit my career choice.
- I want to go to university and study in this field, and want a better foundation for what is required.
- I want to be able to use technology in teaching and learning.
- I want teachers who understand and provide me with individual attention.
- I want to be able to simulate workplace experience.
- I want to make the most of my school day and not have to do homework and projects late at night and over weekends.