

International Year One in Computing at Nottingham Trent International College: module information

For degree entry from September 2020

ALL STUDENTS WILL STUDY THE FOLLOWING MODULES TO GAIN A SOLID BASE OF SKILLS:

- **Information Systems Analysis and Design**
- **Introduction to Information Systems**
- **Language for Study 3**
- **Maths for Computing 1**
- **Maths for Computing 2**
- **Networking**
- **Python Programming and Computer Technology**
- **Skills for Study 2**
- **Software Design and Implementation**
- **Web Development**

EXTRA MODULES TO HELP YOU REACH UNIVERSITY: 2.5 AND 3-TERM COURSES

IF YOU'RE TAKING A 2.5 OR 3-TERM COURSE, YOU'LL STUDY THE RELEVANT MODULES ABOVE, AND 1 SET OF MODULES LISTED IN THE TABLE BELOW, DEPENDING ON YOUR ENGLISH LANGUAGE LEVEL.

IF YOU HAVE AN ENGLISH LANGUAGE LEVEL THAT'S BELOW UKVI IELTS 5.5:	IF YOU HAVE AT LEAST UKVI IELTS 5.5 OR EQUIVALENT, OR DON'T NEED TO TAKE AN IELTS TEST:
<ul style="list-style-type: none"> • Language for Study 1 • Language for Study 2 • Skills for Study 1 	<ul style="list-style-type: none"> • Mathematics and Information Communication Technology • Modern British Society and Culture • Personal Development and Study Skills

EXTENDED ENGLISH AND SKILLS MODULES

IF YOU DON'T QUALIFY FOR ENTRY TO THE 2, 2.5 OR 3-TERM COURSE ABOVE, YOU COULD TAKE A COURSE THAT INCLUDES EXTENDED ENGLISH AND SKILLS (EES). DURING A COURSE WITH EES, YOU'LL STUDY THE RELEVANT MODULES ABOVE, PLUS EXTRA MODULES COVERING:

- **General English**
- **Reading and Writing**
- **Speaking and Listening**
- **Study Skills Preparation**

MODULE SUMMARIES – DETAILS OF WHAT YOU'LL STUDY

Information Systems Analysis and Design

Explore conceptual data models and the use of system blueprints.

Introduction to Information Systems

Discover the key principles of conceptual systems modelling.

Language for Study 3

Make complex arguments in English and learn to synthesise academic sources.

Maths for Computing 1

Develop relevant mathematics skills to solve basic computing related problems.

Maths for Computing 2

Further develop and apply mathematical skills used to solve a range of problems in a computing context.

Networking

Gain an understanding of the key theories relating to contemporary computer networks.

Python Programming and Computer Technology

Create basic programming algorithms to solve problems and to develop an awareness of the fundamentals of how computer systems work at a basic level.

Skills for Study 2

Gain useful analytical skills in written and spoken information.

Software Design and Implementation

Discover the structure of procedural code and object-orientated programme design.

Web Development

Create a high-quality website, incorporating developed web-based content using a web IDE and content management system.

EXTRA MODULES FOR 2.5 AND 3-TERM COURSES

Language for Study 1

Learn basic English skills in listening, reading, writing and speaking.

Language for Study 2

Improve your English skills in listening, reading, writing and speaking.

Mathematics and Information Communication Technology

Develop your understanding of basic IT and mathematics, and how to use computers for university-level study.

Modern British Society and Culture

Learn about life in the UK, and about British society and history.

Personal Development and Study Skills

Gain key study and numeracy skills, and learn how to develop personally.

Skills for Study 1

Develop skills in note-taking, presenting and writing essays, as well as in analysing written and spoken information.

EXTRA MODULES FOR COURSES WITH EXTENDED ENGLISH AND SKILLS

General English

Develop your English language accuracy and range to engage in everyday situations whilst living in the UK.

Reading and Writing

Learn basic English reading and writing skills so that you can communicate effectively.

Speaking and Listening

Practise listening and speaking so that you are better prepared for academic debate and discussion.

Study Skills Preparation

Gain an introduction to the wide range of skills and strategies you'll need to succeed at university, such as research methods and using and citing sources.

Note: this information refers to courses that will run in the 2019-20 academic year, and is correct at the time of publication. Published October 2018.