Foundation Certificate Mathematics, Computing and Electronic Engineering at the University of York International Pathway College: module details
For degree entry from September 2020

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

• Advanced Mathematics
• Language and Study Skills 2
• Physics
• Robotics, Programming and Electronics

EXTRA MODULES TO HELP YOU REACH UNIVERSITY: 3-TERM COURSE

IF YOU’RE TAKING A 3-TERM COURSE, YOU’LL STUDY THE FOLLOWING EXTRA MODULES TO BE BETTER PREPARED FOR UNIVERSITY. THESE MODULES ARE DESIGNED TO FIT YOUR ENGLISH LANGUAGE LEVEL.

• Core Science
• Foundation Mathematics
• Language and Study Skills 1

MODULE SUMMARIES – DETAILS OF WHAT YOU’LL STUDY

Advanced Mathematics
Learn the mathematical skills needed for economics and actuarial science, and explore calculus, matrices, vectors, algebra and trigonometry.

Language and Study Skills 2
Develop academic English knowledge, and apply academic style to written and spoken work.

Physics
Learn to use physics to explain common phenomena, and explore subatomic processes, fields, properties of materials, electricity and mechanics.

Robotics, Programming and Electronics
Design and programme a robot, and design and build simple electronic circuits.

EXTRA MODULES FOR 3-TERM COURSE

Core Science
Learn about key scientific concepts and principles, and explore the most important topics in biology, chemistry and physics.

Foundation Mathematics
Understand core concepts of mathematics, and learn algebra, calculus and trigonometry.

Language and Study Skills 1
Learn how to speak, read and listen in an academic context, and improve your vocabulary, grammar and pronunciation.

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.