Pre-Masters Science, 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:

- Language for Study 3
- Research Design and Critique
- Research Project – Science and Engineering
- Skills for Study 1
- Skills for Study 2
- Skills for Study 3
- Statistics for Postgraduates

PATHWAY MODULE

YOU’LL ALSO STUDY ONE OF THE FOLLOWING PATHWAY MODULES. YOUR PATHWAY IS DETERMINED BY YOUR DEGREE SUBJECT AT THE UNIVERSITY OF YORK.

MANAGEMENT PATHWAY

- Introduction to Management

-------------------------------------

MATHEMATICS PATHWAY

- Mathematics for Postgraduates

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

IF YOU’RE TAKING A 3-TERM COURSE, YOU’LL STUDY THE FOLLOWING EXTRA ENGLISH LANGUAGE AND ACADEMIC SKILLS MODULES FIRST.

- Applied Academic Skills
- English for Academic Skills
- Research Project Basics
**MODULE SUMMARIES – DETAILS OF WHAT YOU’LL STUDY**

**Language for Study 3**
Develop your reading, writing, listening and speaking skills, and learn how to make complex academic arguments in English.

**Research Design and Critique**
Define research problems, and design projects to find solutions to those problems.

**Research Project – Science and Engineering**
Develop organisational and planning skills, enhance your ability to support arguments with evidence and text references, and join an academic field trip.

**Skills for Study 1**
Develop your presentation, note-taking and essay-writing skills, become familiar with academic learning styles, and learn essential research skills and how to avoid plagiarism.

**Skills for Study 2**
Improve your analytical skills in written and spoken information, and practise a university assignment.

**Skills for Study 3**
Learn to research and analyse information to a high standard, and to structure written and verbal arguments.

**Statistics for Postgraduates**
Learn methods of probability and statistics, experimental design and sampling, and develop data handling skills.

---

**PATHWAY MODULES**

**Introduction to Management**
Understand functions of management and management models, and the contexts in which they are practised.

**Mathematics for Postgraduates**
Learn key differentiation and integration techniques, and study limits, sequences and series, equations of lines, planes and surfaces, and double and triple integrals and vector calculus.

---

**EXTRA MODULES FOR 3-TERM COURSE**

**Applied Academic Skills**
Develop listening and speaking skills, and methods for independent learning as an international student.

**English for Academic Skills**
Learn English language skills in an academic context, and improve your writing and speaking skills.

**Research Project Basics**
Learn good practices for academic research projects.

---

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.