

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**

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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.