

CERTIFICATE IN PREPARATORY STUDY FOR THIRD LEVEL

Monday 23rd April – Friday 22nd June 2018

January 2018

CERTIFICATE IN PREPARATORY STUDY FOR THIRD LEVEL

10 credits - Special Purpose Award

A short course (100 hours) that will prepare prospective students who are considering taking a course in higher education in September 2018.

Who is the course for?

This course will give individuals who are thinking about starting a full time or part time course at IT Tallaght the opportunity to really experience what it is like to go to the college.

The course will build confidence and give you the opportunity to build your study and IT skills. You also get the opportunity to study 'tasters' of your chosen programme and other subjects that maybe of interest to you. You get to meet other students and work with them. When September comes you will be well prepared for your first year of study at IT Tallaght.

There are no exams but you do complete a number of small assignments alone or as part of a team to gain this award.

Entry Requirements

Course timetable

The course runs for 3 nights a week or 2 nights per week and Saturday morning over 10 weeks (100 hours in total)

Course Summary

In addition of having the opportunity to make friends and get to know the IT Tallaght campus. The preparatory programme has been designed to provide you with the necessary study skills and exam techniques for studying at third level.

Core Subjects

You will also study:

- Academic English (12 hours)
- Communications (12 Hours)
- Maths (12 hours)
- Study Skills and Exam Techniques (4 hours)
- Information Technology (12 hours)
- Workshops on Practical information relating to returning to education, including financial and personal implications, supports available, and students' experiences.

In addition Students get the opportunity to 'Taste a Number of Subjects' offered at the Institute and an introduction to the type of content and activities inherent in studying a range of subject areas - Accountancy, Social Care Management, Computing, Engineering, and Science.

You choose which subjects you would like to try - you can choose 4 from the following list (availability subject to participant numbers)

Accountancy 10 hours

The purpose and role of accounting information. Accounting terminology - accounting elements-asset, liability, income, expense, capital: Definition and an understanding of what is meant by each element. Books and records of accounts including an introduction to double entry book-keeping and presentation of the income statement and balance sheet.

Computing 10 hours

A problem based learning approach will be used to require students to develop, solutions to basic programming questions as part of a team. Initial solutions will be developed on paper/whiteboard, i solutions will then be tested on a visual, logical programming interface for rapid development and testing of programming concepts.

Electronic Engineering 10 hours

Students will build a robot and use graphical programming to manoeuvre the robot. It will be

programmed to respond in different ways based on proximity to objects, different sounds and colours it senses as well as when it touches other subjects. Population of boards with electronic components through hole PCB to enable a flashing led circuit, Lie detector of Musical Bagpipe. Computer communications, how a Packet Tracer simulator can be set up to form a simple network with IP addressing. A demonstration of ITT Dublin FM Transmitter (ITTFM) and Antenna Trainer will also be included.

Mechanical Engineering 10 hours

Students consider all aspects on engineering safety. Computer Aided Design will be used to develop engineering graphic design skills. Engineering practice including milling and material density will also be covered. Students will also be introduced to Robotics.

Science 10 hours

Introduction to Science. This module contains and overview of some major scientific discoveries and how ultimately scientific research and development affect the everyday lives of the population of the world today. An explanation of transferable skills that scientists develop. Chemistry - Cancer and Platinum: Microbiology - The story of penicillin: Physics - Gravity, the Universe and you: Maths - A Beautiful Mind and the Genius of Game Theory: DNA - Watson and Crick and The Human Genome Project: Practical Course - lab sessions to introduce the essential skills and techniques of practical chemistry.

Management 10 hours

Planning: - Components of Planning, Strategic Planning, Operational Planning, Forecasting. Organising: - Job design, Co-ordination. Directing: - Directing, Leadership, Motivation. Controlling: - Dimensions of control, control problems, Financial and non Financial control methods. Entrepreneurship: - The meaning and importance of Entrepreneurship, Enterprise Support Agencies, Feasibility studies and business plans, Managing Human Resources and Industrial Relations: HRM function, roles of the specialist and line manager, staffing, training and development, Performance Appraisal, Trade Unions and Industrial Relations Institutions.

For queries on the application process

Please contact LLL@it-tallaght.ie or phone the Lifelong Learning Team @ 01-4042101

Social Care

This taster will give a broad introduction to Social Care practice and the subjects that provide the foundation to becoming a social professional. The particular skills required to work with diverse client groups will be highlighted. In addition, the range and variety of settings within which social care practitioner's work, including residential services, community settings and training and education services will be discussed.

Marketing 10 hours

In the Marketing segment, you will be introduced to key Marketing principles, from understanding what motivates customers to in-depth analysis of their behaviour and the psychology of consumers. The importance of modern digital marketing approaches is also introduced (search engine optimisation, web and app development, social media). You will also learn about the Advertising and Marketing Communications industry, and see how the practical and creative elements can bring a marketing and advertising strategy to life.

This is some of what past students have to say: Student 1

Without the preparatory course I would have postponed applying to college indefinitely but this course helped my confidence and showed that I was up to studying at third level. I found being in an academic environment with other people helped me a great deal as did the advice on offer.

Student 2

I am studying Mechanical engineering honours degree, the course prepared me well as it got me in the right frame of mind and showed me what to expect from college. I found the academic English class very useful as my grammar and writing skills were dreadful. The classes on the Microsoft office packages were useful but the maths classes and especially the add on maths classes were really good

KEY DATES

Information Session	11 th April 2018
INDUCTION	23 th April 2018
CLASSES BEGIN	25 th April 2018
CLASSES FINISH	22 nd June 2018

Head Start Maths and Head Start Academic English

-Classes begin	2 nd June 2018/11 th August 2018
-Classes finish	30 th June 2018/8 th September 2018