

EARLY UNIVERSITY ENTRANCE

AT DUBLIN CITY UNIVERSITY

FOR TRANSITION YEAR STUDENTS WITH HIGH
ACADEMIC ABILITY

2021 - 2022 Academic Year

SEMESTER I



Invitation to Participate

in the E.U.E. 2021 - 2022 Programme

Dear Parent & Student,

March 2021

The Centre for Talented Youth, Ireland is pleased to continue the Early University Entrance Programme at Dublin City University for Transition Year students of the 2021-22 academic year.

This is an exciting opportunity! Early University Entrance gives students with high academic ability the opportunity to enrol as part-time students on one of several courses based on degree programmes at DCU. Taking a portion of the first year modules, Early Entrants attend DCU for one day each week, over 13 weeks, to study degree level material alongside similarly aged students. The 9 courses are: Biology, Business, Engineering, International Relations, Law & Politics, Philosophy, Physics, Psychology and Sports Science.

The Early University Entrance programme has been running for several years and its evaluation composed my PhD thesis. The young students were found to have performed as well (and at times better) than the regular cohort of first year students taking the same modules. They suffered no ill-effects socially as there was a large group of similarly aged students. They learned much in terms of their chosen field of study, but also in terms of independent learning, self-organisation, the demands of learning at university level, high level writing skills and group work. You will read further in the brochure feedback from some of the original Early Entrance students.

This brochure outlines the Programme and the courses available in detail. I would encourage any student who is bright, motivated and committed to learning to apply, as it will give you a unique opportunity to sample university life, but more importantly allow you to experience a level of learning and challenge that is more suited to your academic needs. Though the programme is relatively new to Ireland, it is not a new concept. There is much evidence of the success of acceleration programmes in other countries, and therefore much by way of best practice.

I can be contacted by email at catriona.ledwith@dcu.ie

Yours,

Dr. Catriona Ledwith
Early University Entrance Programme Organiser

EUE SEMESTER I

Lecture Delivery in light of Covid-19

Dear Parent & Student,

March 2021

All of us here at CTYI hope that you and your family are keeping safe during these challenging times.

Like everyone, we have had to adapt how we do things at CTY Ireland, and the EUE was the first of our programmes to adapt. Since March of last year, EUE has been delivered online. We have learned much about Zoom and online learning during this time. While nothing is certain at this time, we expect that semester 1 of the 2021-22 academic year will run online, or at least for the most part. If we have permission from the university to bring students on campus, we will do so in a safe manner. Please be assured that student health is our number one priority and we will follow all relevant guidelines to ensure that we create an environment that all students are safe and secure during their time in DCU.

With the changing health guidelines it is hard to predict with any certainty at this stage how everything will run. If the students are not allowed on campus then we will continue with everyone online. If restrictions are lifted then we will try to give students more campus time. For now, we are planning for the online delivery of lectures, with a possible hybrid model, where students would attend the campus every second week, if desired. It may also have students attend the odd day for particular sessions. We will however give you plenty of notice on whatever we can plan closer to the start of the semester.

We are working closely with university management and Health & Safety and we will keep students and parents informed of any changes as soon as they happen.

For details of the Health & Safety measures in place on campus, see the section Covid-19 & Health & Safety on p. 22

Yours,



Dr. Catriona Ledwith
Early University Entrance Programme Organiser

PROGRAMME BACKGROUND

What is Early University Entrance?

Early University Entrance is an acceleration programme for Transition Year students with high academic ability. Participants may follow modules from degree programmes available at Dublin City University, part-time, throughout their transition year.

Students choose one course (see later in this brochure), and study 1-2 modules associated with that subject on one full day each week in DCU. Subjects may be scheduled any day from Monday to Friday. Classes take place between 10am and 4pm each day, in separate classes of approximately 20 students. Thus the Early Entrance classes will be made up of just Early Entrance students and run in parallel with the normal lectures in DCU. Students will also be expected to dedicate time outside of the scheduled lectures to independent learning, course assignments, etc.

Students may choose partake in assessments and sit exams in their chosen modules at the end of the semester.

(Students should note that this programme will not help them to obtain a place at DCU when they are awarded their Leaving Certificate. They must still apply through the CAO).

The Reasons for Early University Entrance

Academically talented students are typically highly motivated, but too often complain of being unchallenged and under-stimulated at school. This Programme will give these students the opportunity to access a level of learning that more appropriately matches their academic needs. They will learn high level material at a relatively fast pace, thereby providing a more realistic level of challenge.

How will Early Entrants benefit from the Programme?

The advantages of taking on a degree programme at an earlier than typical age are wide-ranging. Research has shown that second level students who participate in university programmes benefit from:

- the experience of an intellectual peer group
- an optimally matched level of learning
- the experience of more appropriate and realistic academic expectations
- the opportunity to reach one's potential
- the focus it lends toward future study
- formal recognition of their ability
- it provides access to specialist teachers
- it can enhance student motivation through specialisation
- it affords the opportunity to study challenging and interesting course material
- it helps the student to become more independent
- it gives them the experience of university life
- they will have direct access to cutting edge research
- it helps the student gain better perspective on their own education and their academic goals

Early Entrants will have the benefit of being part of an enhanced intellectual group over a sustained period. Students on similarly styled programmes have proven time and time again that their age is not a hindrance to academic success. Research on this programme and others have shown that Early Entrants perform as well, and in fact usually better, than regular first year students in end-of-term exams.

Knowledge Gaps

We are mindful that students taking on degree level coursework are likely to encounter material that requires the foundation given by the Leaving Certificate curriculum. Great care is taken therefore in adapting the modules so that students may learn all that is necessary to bridge any knowledge gaps.

The Development of Early University Entrance

The Programme was developed by Dr. Catriona Ledwith, at the Centre for Talented Youth, Ireland. The Programme development and evaluation was central to her PhD research at the School of Education Studies, DCU, under the supervision of Prof. Joe O'Hara. It was a unique experience for the students and a pioneering endeavour for DCU. The Programme was developed as a CTYI/DCU initiative, and had the approval of CTYI's Academic Advisory Board and the Research Ethics Committee, DCU.

The programme was found to have hugely positive academic and personal outcomes for its participants. Based on this research, it is hoped that Early University Entrance will form a new direction for second level students at CTYI.

The Early University Entrance Programme has received the full support of the Centre for Talented Youth, Ireland, and Dublin City University itself. Individual Faculties and Schools have given generously of their time, advice and resources. (The original Programme received the support of the then National Coordinator for Transition Year, Mr. Michael O'Leary.)

Pastoral Care

Certainly in Irish terms, this is new territory and though embarking on new terrain particularly in education, is exciting, there will be concerns for everyone involved; student, parent, teachers, researcher and the university community. Much consideration and deliberation preceded the setting up of this Programme. It has been developed in line with the procedures and guidelines of the Irish Centre for Talented Youth, a long established unit at DCU, with strict rules and guiding principles on working with children and young people. It has adhered to the best practices in concurrent enrolment and early college entrance, as given by the universities and third level institutions in the US where similar programmes exist. The Programme will also operate in a manner that ensures effective child protection. The Early University Entrance Programme will have a strong support network in place, given that the students will be younger than the ordinary student population on campus. The Programme will operate under the guiding principles of the Centre for Talented Youth Ireland, which has a long history of working with children and young people. Though not as intensive in a supervisory capacity as the CTYI Summer Programme, the students will be monitored closely from a variety of different perspectives. Links with parents and the TY Coordinator will be made early on and Dr. Ledwith will correspond with them on a regular basis to assess each student's progress. They will have frequent contact with Dr. Ledwith and Ms Emily Daly throughout.

Accessible to Students across the Country

The 10am start at Early University Entrance is primarily to facilitate the commute to the DCU campus. Each year we have students coming from counties as far away as Cork and Donegal, taking very early trains to get here. Starting at 10am means EUE is a workable option. Having to attend over a number of days each week might make it prohibitive but one day makes it a little more accessible from most locations around the country. Finishing at 4pm also means that students can get home at a reasonable hour!

Course Information

The modules listed below indicate what is involved in each course; however, the precise content will be finalised at a later time. Specific details on each degree programme are given over the following pages. The general information is taken from the DCU Prospectus. Please note that, though unlikely, the modules listed below may change. (From time to time, Schools reorganise the arrangement of modules).

Please note that the 2020-21 programme had the largest volume of applicants ever. Where possible there will be double classes offered for certain subjects. This will be based on the discretion of the programme organisers, the availability of staff and the facilities needed to maintain the high standards of the Early Entrance programme.

Eligibility

The Early University Entrance Programme is happy to receive applications from any student who:

» is in Transition Year during the 2021-2022 academic year

AND

» has previously qualified for the CTYI or CAT Programmes through CTYI Talent Search or based on a Psychological Assessment

OR

» may not have the formal assessment results documented above but who have demonstrated high ability. These students will be accepted at the programme organisers' discretion.

COURSE OPTIONS SEMESTER I

There are a limited number of places on each of the following courses:

Early Entrance Biology – based on modules from the Common Entry into Science

- How Life Works 1 (BE101)

Early Entrance Business – based on modules from the B.A. in Business Studies

- Management Accounting for Decision Making (AC115)
- Introduction to Microeconomics (EF113)

Early Entrance Engineering – based on modules from the Common Entry into Engineering

- Introduction to Electronics (EM113)
- Materials Engineering (EM115)

Early Entrance International Relations – based on modules from the B.A. in International Relations

- Introduction to International Relations & Security (LG117)
- Introduction to Global Governance (LG132)

Early Entrance Law & Politics – based on modules from the B.A. in Economics, Politics & Law

- Irish Legal System (LG131)
- Irish Political System (LG108)

Early Entrance Philosophy – based on modules from the Bachelors of Arts (Joint Honours)

- Introduction to Philosophy (TP132)
- Environmental Philosophy (TP233)

Early Entrance Physics – based on modules from the B.Sc. in Applied Physics

- Light and Optics (PS102)
- Motion & Energy (PS101)

Early Entrance Psychology – based on modules from the B.Sc. in Psychology

- Child Development (NSP01)
- Cognitive Psychology (NS124)

Early Entrance Sports Science – based on modules from the B.Sc. in Athletic Therapy and Training

- Introduction to Athletic Therapy and Training (SS126)
- Biomechanics 1 (SS206)

The course modules will, where possible, relate to existing first year modules on the named degree programmes. In some instances, the course modules on Early Entrance will follow the module precisely, while in others excerpts will be selected so that knowledge gaps are minimised. Each cooperating School and their nominated course instructor have worked with Dr. Ledwith on exact course content.

EARLY ENTRANCE BIOLOGY

Understanding Biology

Biology makes up an integral part of degrees in Biotechnology, Genetics and Cell Biology, but it is also an important aspect in almost all other science degrees in DCU, such as the BSc. in Science Education, or the BSc. in Chemical and Pharmaceutical Science, etc.

Biology plays an important role in understanding complex forms of life. What are the differences between humans and plants, and what have we in common? Knowledge of biology allows us to create solutions to the challenges many living organisms face, and it paves the way for discoveries and inventions that can improve our quality of life. Through studying biology, we can develop a greater understanding of the human body and how to effectively deal with diseases. By studying the components of living cells, we can learn how to control, fix and modify them to our benefit.

This course will introduce students to the concept of the cell and focus on the basic biochemistry, physiology and molecular detail of animals and plants, including an introduction to animal evolution and diversity.

Will it suit me?

The course in Biology will be of interest to students who enjoy studying biology and for those with an interest in recent scientific breakthroughs in human disease, molecular biology and research at the cellular level.

What Will I Study?

SEMESTER 1 How Life Works 1 (BE101)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php.

Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

Understanding how cells work underpins many areas, and so there is huge demand for a workforce with scientific knowledge, particularly in molecular and cellular biology. Graduates of biology degrees go on to work in biomedical research, biophysics, cell biology, bioengineering, microbiology, physiology, and more.

Instructor's Comments

“The subject of microbiology is a truly fascinating one. This module will introduce you to the world of microscopic organisms and how they work. From studying them in a lab, to understanding their inner workings, this course will lay down the basic understandings of bacteria, archea, fungi and protista. Included are introductions to the studies of pathology, epidemiology and virology, where we take a look at the disease causing microbes and our advances in preventing them. If your interested in developing an understanding in a world you cannot see, this is the course for you!”

Megan Griffiths

“Biochemistry is the study of all chemical process that occur in the body in order to keep an organism alive and is truly a subject you cannot miss. In this captivating class you will learn about how your body performs every day to keep the body functioning, studying everything from the most intricate processes of cells to the molecules that keep everything held together and running smoothly. If you want to learn more about how the body can sustain such complex life, carrying out mechanisms that you didn't even know could happen then Biochemistry is the subject for you!”

Cora Lambert

EARLY ENTRANCE BUSINESS STUDIES

Understanding Business Studies

The Bachelor of Business Studies degree is a first-class all-round business degree with exciting options in HR management, marketing, economics, eBusiness management, and finance. It is the essential toolkit for the world of business.

Today's business world is rapidly evolving, and the key to success in this world is creativity and innovation. Just look at how the internet has changed the way we communicate, buy products and inform ourselves. These values are at the core of our Business Studies course - a course that is constantly innovating to reflect both best practice in business education and relevance to management and business practice in the real world.

Since the early 1980s the Bachelor of Business Studies (BBS) has introduced many innovations to undergraduate education. Through elements such as business simulations and new enterprise development projects, we set out to stimulate and foster imaginative thinking among our graduates, giving you the skills to arrive at solutions to business problems.

Will it suit me?

Do you find the world of business an interesting place? Do you see yourself enjoying a career in one of the many areas of business that could take you from management and finance to marketing and HR?

What Will I Study?

SEMESTER 1

Management Accounting for Decision Making (AC115)
Introduction to Microeconomics (EF113)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php.

Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

You will be ready to make a genuine and lasting contribution to any workforce. Indeed, graduates from the BBS have an international reputation for making an immediate and significant contribution whatever path they choose. And you will follow in their footsteps. As shown in surveys of university graduates, graduates of the BBS are now the most sought after business graduates in Ireland.

Business Studies is a smart choice for anyone who wants to pursue an industrial, commercial or public career, or start their own business.

Instructor's Comments

"While a majority of students that undertake the Business course have a good appreciation of the subject and general topics from an academic perspective, it can often be the non-academic things that greatly assist students in achieving high grades (i.e. > 65% in end of term exams). Some of the things that I have noticed is that students that form friendships within the class group often develop greater interaction, both socially and academically, and are more likely to question and challenge conventional thinking and traditional theory of the subject matter. In particular, participation in study groups with each other can greatly assist students experience the potential eclectic mix of personalities and knowledge levels that will most likely exist in third level and within future work environments. To be able to experience and demonstrate an ability to work with people in groups comprising of different skill sets within a team can greatly enhance one's own experience, knowledge and understanding of the subject. Sometimes we can learn more about a subject topic in a more efficient manner from social and topical interaction with fellow class attendees."

Patrick D'Arcy

EARLY ENTRANCE ENGINEERING

Understanding Common Entry to Engineering

Of all the courses and careers you can pursue, engineering is one of the most exciting. Engineers invent and design things, they make things work and they analyse and solve problems in all sorts of fields. For example, one of the areas emerging at the moment is the application of electronic and mechanical engineering to biology and life sciences. Engineering solutions help patients with better diagnostic imaging, improved hearing devices, better blood vessel implants, laser surgery, etc. Engineers have designed the latest MP3 players, digital televisions, laptops and mobile phones. Engineers' work is behind industrial robots and racing cars, 3D cinema and airplanes, the latest computer games and the international space station. As engineers, you can find yourselves at the heart of just about any field, from high-tech industry and medicine to financial services, energy-aware technologies and biotechnology - the cutting-edge dynamic industries of tomorrow.

Common Entry into Engineering is specially designed to help you to find the course most suitable for you while studying the fundamentals of engineering. After the first year (common to all six engineering degrees in DCU), students may apply to follow a specific programme. Early Entrance Engineering is based on modules from this general programme, to give students a flavour of as many of the specialized areas within engineering as possible.

Will it suit me?

As for most engineering degrees, ability in mathematics is a key requirement. A logical mind and an eye for detail are also important. Previous experience of maths, engineering or theoretical physics at CTYI will be an advantage, but is not essential, as the fundamentals will be covered on each module.

What Will I Study?

SEMESTER 1 **Introduction to Electronics (EM113)**
Materials Engineering (EM115)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php. Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

Engineering is about the design and production of useful products and services. It translates scientific knowledge into technology, and technology into successful innovation. Engineering subdivides into a broad number of specializations; mechatronic, electronic, digital media, mechanical and manufacturing, biomedical, and informational and communications engineering degrees, all of which are available to study in DCU. Engineering is a smart choice for anyone who is interested in design, technology, and development.

Instructor's Comments

"This is a broad and interesting introduction to materials science, covering the science of why materials have the properties they do, and leading to the use of materials in design. Looking at the minute level up to the very large, this all-encompassing course suits those with an interest in science and engineering. The class investigates practical examples, thinking about why things are made from what they are made from. This might be something students had never considered before. The theory in the course is backed up by practical example which aids understanding and learning. Students work independently and in groups. Questions are invited and encouraged during the lectures. Group work during tutorials helps the students to get to know others in class and to see different points of view and different answers to the same question. By the end of the course, students should have a good overview of the various engineering materials available and a good idea as to why a particular material choice is made for a particular design."

Dr. Niamh Plunkett

EARLY ENTRANCE INTERNATIONAL RELATIONS

Understanding International Relations

The International Relations degree will give you insight into the major world issues that challenge and fascinate us today. You'll examine the forces that shape contemporary societies, such as globalisation, international law, third-world debt and American foreign policy. You'll also study key institutions like the European Union and the United Nations.

You'll learn from staff with expertise in areas such as Terrorism and Counter-terrorism, European Union studies, Middle-Eastern studies, International Security and Conflict Studies, International Law and Aid, and Development Studies.

The programme also prepares you for the work force by imparting broader abilities, such as oral and written communication skills, the capacity to think analytically, teamwork skills, and research techniques.

Will it suit me?

International Relations is a diverse field that is extremely relevant in the increasingly globalised world we live in. Graduates from our BA in International Relations will be ideally suited to a number of roles especially when combined with work experience abroad and foreign language skills. With deep insight into global politics, cultures and the ability to identify and analyse global issues, graduates of International Relations are well placed to pursue careers with governmental and non-governmental organisations, both national and international, like the United Nations and European Union, diplomatic services, as well as with major international corporations.

What Will I Study?

SEMESTER 1

Introduction to International Relations & Security (LG117)
Introduction to Global Governance (LG132)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php.

Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

Students who study International Relations go on to work in fields such as the international civil service, diplomatic services, international aid, policy evaluation and research, international commerce, journalism, politics, the armed forces, public affairs and public policy education.

EARLY ENTRANCE LAW & POLITICS

Understanding Economics, Politics and Law

Economics, Politics and Law (EPL) is an intellectually challenging course that explores various issues and methods of analysis in the disciplines of economics, politics and law. You can see them every day in Irish society. The course will give you a deep and thorough understanding of the political, legal and economic institutions that shape the current global environment. More specifically, you will gain a profound awareness of how these three disciplines are bound together in the exploration of concepts of common interest.

Will it suit me?

Are you interested in Politics and/or Law? Would you like to know more about the political and legal institutions that shape our world? By studying on the Early Entrance Law & Politics course you will learn how these disciplines interact and help to shape the local and global contexts in which we live.

What Will I Study?

SEMESTER 1 **Irish Legal System (LG131)**
 Irish Political System (LG108)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php. Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

Graduates from the BA in Economics, Politics and Law will be ideally suited for work in a variety of areas. Some graduates may choose to work in the public service, private industry or international and European institutions, while others may choose a career in law (graduates will be eligible for entry to the Law Society of Ireland as trainee solicitors, on successful completion of the relevant entrance exams and all subjects required for the entrance exams are covered), tax/financial services, journalism, policy-evaluation or research.

Instructor's Comments

“The Irish Legal System module offers students an insight into the foundations of our legal system, focusing on the work of legal professionals, the court structure, the judiciary, the concept of rehabilitation vs punishment, the special protections afforded to children in the justice system, the mechanics of how a trial operates, sentencing options for an accused, and much more. This interactive course includes plenty of in-class discussions and activities with the aim of getting students to really engage with the law, develop their own opinion, and become passionate about law in Ireland. There are many hypothetical scenarios given throughout the course culminating in a mock trial at the end, giving students the opportunity to act as solicitors and barristers and put their legal knowledge into action!”

Shannon Colmey

EARLY ENTRANCE PHILOSOPHY

Understanding Philosophy

Philosophy is possibly the most fundamental of subjects as it asks the question: 'What does it mean to be?' The aim of this course is to enable students to acquire the basic skills of philosophy i.e. analytic argument and essay writing; and to introduce students to some of the most profound thinkers in history. The course will cover some of the fundamental concerns of philosophy such as: the history of philosophy, metaphysics and epistemology, logic, ethics and political theory, the philosophy of mind.

Will it suit me?

Philosophy has something for everybody, but particularly suits those who are curious about all aspects of life and want to use reason to answer life's biggest questions. If you are interested in the nature of reality, the concept of truth or how to live a good life, philosophy is the course for you. If you enjoy expanding your mental horizons, learning how to construct an argument and find weaknesses in other arguments, and analysing contemporary issues using logic, philosophy is for you. Everybody asks philosophical questions at some point in their lives; and such questions are especially pertinent during the teen years.

What Will I Study?

SEMESTER 1 **Introduction to Philosophy (TP132)**
 Environmental Philosophy (TP233)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php.

Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

Philosophy does not create an obvious career path outside of academia. However, the skills philosophy graduates develop widely sought after in a variety of fields. It turns out that over the long term, philosophy graduates earn the most of any liberal arts graduate. The problem solving abilities and creative approaches of philosophy graduates are increasingly valued, notable amongst big-tech companies.

EARLY ENTRANCE PHYSICS

Understanding Physics

Physics is the most fundamental science. It explains the mysteries of the universe and has fuelled many of the scientific and technological developments that we take for granted. Physicists also pioneered modern technologies as diverse as the Internet, nuclear power and MRI scanners. Today physicists continue to generate new knowledge about our world and lead innovation in yet-to-be exploited realms such as quantum information and communications technology, nano-systems design, ultrafast molecular switching and terahertz medical imaging.

Will it suit me?

If you are interested in how the world works and how science seeks to answer the big questions, if you have a logical mind and competency in mathematics then Physics may be the course for you.

What Will I Study?

SEMESTER 1 **Light and Optics (PS102)**
 Motion & Energy (PS101)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php. Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

Physics provides you with the platform to progress to a degree in your chosen area of specialism, with potential to pursue careers in areas as varied as: Meteorology, Astronomy and Astrophysics, Design Management, Data Science, Research and Development, Education, Information Technology, Healthcare and Aeronautics. You will also be ideally positioned to pursue further study.

EARLY ENTRANCE PSYCHOLOGY

Understanding Psychology

Psychology is concerned with all aspects of behaviour and the thoughts, feelings and motivations underlying such behaviour. While psychologists differ in their interests within the field of psychology and in the type of work they do, they all approach the study of psychology in a scientific way. Psychologists are concerned with practical problems such as:

- How can we make sure that eyewitness accounts in court are reliable?
- How can we help people overcome depression, stress or phobias?
- How do footballers keep their anger in check on the pitch?
- What makes a good manager?
- How can teachers ensure students are really learning?

If you think these research questions are interesting, then you may be interested in studying psychology.

Will it suit me?

You should possess good verbal and written skills, be hard-working and creative, have an enquiring mind and have the ability to think critically. Other qualities that would be an advantage are flexibility and good interpersonal skills.

What Will I Study?

SEMESTER 1

Child Development (NSP01)
Cognitive Psychology (NS124)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php.

Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

For those wishing to work as a psychologist in a professional setting, e.g. counselling, clinical, organisational, health, educational, sport or academic, further study is required. A degree in psychology opens up a number of different career paths. Many psychology graduates have used their degree to pursue a career in management, social research, youth work, community development, public relations, human resources and marketing.

Instructors' Comments

“Child development aims to further our knowledge about how development evolves from birth to early adulthood. By studying early childhood behaviours and the changes which behaviour undergoes, psychologists can gain a better understanding of adult behaviour. Throughout this course you will study fascinating yet challenging topics. Some of these include theories of child development, biological foundations of development, language development, social and emotional development.

The students I have taught in the past found the first couple of weeks to be challenging, learning new theories, and facing new terminology. However, through various activities the students found it easier to understand and learn! Activities included designing a toy to aid development in children, debates, watching relevant clips and having class discussions. The students found every week getting easier, building from each new topic that they learned. Feedback from students were overwhelmingly positive and they got to experience an interactive and fun way of learning a challenging but engaging discipline of psychology!”

Cathy Woods

EARLY ENTRANCE SPORTS SCIENCE

Understanding Sports Science

Sport and exercise scientists use research and analysis to give specialist advice to improve individual or team athletic performance. They also design and administer appropriate methods of assessment, and create exercise or training programmes aimed at improving either health or sporting performance.

As a sport scientist, you must be well versed in technical, physiological and psychological aspects of your field in order to cover territory as diverse as exercise testing, psychological preparation for competition, movement analysis, dietary considerations and strength training.

As part of the Early Entrance Sport Science course, you'll examine the key science subjects that form the backbone of this degree: chemistry, physics, anatomy, physiology, psychology and sociology. As you progress, you'll learn how these subjects are applied to the study of sport, exercise and health, and what role factors like nutrition and genetics play, as well

What Will I Study?

SEMESTER 1

Introduction to Athletic Therapy and Training (SS126)

Biomechanics 1 (SS206)

Full details of these modules are available at http://www.dcu.ie/registry/module_contents.php.

Please note that although the modules for this course will follow the techniques practised at DCU undergraduate level, the course material will be catered specifically to the Early Entrance students.

A Future Career

Sports Science graduates can pursue further study in related areas, including: physiotherapy, nutrition, clinical exercise, strength and conditioning, coaching and education. Potential careers include; Coaching, Education, Exercise Rehabilitation, Health Promotion, Sport and Leisure Administration, Sports Development

Instructors' Comments

"The Introduction to ATT module is a great taster of what Athletic Therapy students learn over the course of their four years in DCU. In this module, students get the chance to learn about the background causes, assessment and treatment of injuries that are crucial to becoming a Certified Athletic Therapist. As well as this, The Intro to ATT modules teaches students key skills of academic writing and literature appraisal. This course would be of particular interest to students interested in sports and the healthcare professions."

Sarah Dillon

EUE STUDENT TESTIMONIALS

I really enjoyed the physics course and it was the stand out experience of my TY year. It was fun and engaging. I found myself immersed with people who had similar interests as me for the first time and the course was a fantastic opportunity to meet like-minded individuals. I had a deep interest in physics to begin with but the EUE course really helped to ignite the passion I had for the topic. Yes, there is a lot of work involved in doing the course but the benefits are innumerable. For example, I found my regular studies at school become much easier, in particular mathematics and science. I must admit, I was disappointed when I found out that we would not be on campus and the course would be delivered online, but it certainly did not hinder the quality of the teaching from the lecturers and tutors. I was pleasantly surprised at how much fun I had online this year with the course and Thursday quickly became my favourite day of the week. The physics courses was unique in the fact that we did manage during December to go to the labs in DCU for a socially distanced lab experience that was excellently planned and executed by DCU and CTYI staff. Each lesson was thought very intuitively and the lecturers were more than happy to answer any questions or problems we had. I would certainly encourage anyone who is inquisitive, has a good grasp of junior cert mathematics, and is willing to work to study physics in Early University Entrance.

Physics student, attending semester 1 & 2 (2020-21)

Although this year the EUE Programme was delivered online, I found it very enjoyable and extremely interesting. Every person that I met has made me feel very welcome and comfortable. I've had the opportunity to meet lots of new people and I have made many new friends. I particularly enjoy the social evenings as there is something new to do every week. Going into this programme, I was nervous as I did not know what to expect and had never done anything like this before. However, EUE helped to develop many skills and has helped me grow in confidence. This programme is definitely worthwhile and I am extremely grateful for this invaluable experience.

Biology student (2020-21)

The Early University Entrance programme was truly a life-saver during the harsh restrictions of Covid 19 and the limited opportunities during Transition Year. It truly broke up the week: I could be in school from Monday to Thursday, which would fly by; and then I would be studying Law & Politics on a Friday, a great way to start the weekend! The modules are not easy, the course content can be challenging, but that was the selling-point in my opinion. Taking university lectures, being assigned essays and studying for university-level exams is truly an experience that cannot be found elsewhere. I know that I most certainly will have an upper hand when it comes to moving onto third-level education. I can confidently say that I have digested university-level knowledge and that I can use that to my advantage in the years to come.

Law & Politics student (2020-21)

I'm finding the course both enjoyable and challenging. My instructors have been extremely helpful throughout the course thus far. The course is the most interesting event of my week. The programme is very well organised and all planned classes begin on time without issue. The EUE programme has furthered my belief that the course I chose to study is one which I would like to pursue after secondary school.

Engineering student (2020-21)

I am finding the course enjoyable but challenging at the same time. However, if I am not faced with something that challenges me, I usually don't find it fun so DCU is an ideal course for me. It is not the workload that is challenging but more the material as it is college level and requires a lot of brainpower! However, once you get your head around the information it's much easier to understand and you really immerse yourself in what you are learning. What I also find really enjoyable is the extra touches the DCU lecturers add such as Kahoots, games and challenges.

The instructors are excellent as a whole and present the lectures in an interactive way with lots of pictures, questions and other stimuli. Not only are they very knowledgeable and experienced but they also encourage us to ask questions, ensuring we fully understand the material.

The programme is very structured and I am never left confused as to what I should do. The homework and lectures are labelled accordingly then posted efficiently every week. There is a plan for every Wednesday so we know what to prepare and what we will be doing on the day. Overall the organization is spot on and leaves nothing to be desired.

It can be difficult sometimes as realistically learning at home is not the same as face to face however I think DCU has done a great job in keeping the course interesting and fun for the students. In terms of social interaction making friends is a harder but not an impossible feat. I actually believe that I have made more friends on zoom than I would have on campus as I would've stuck with the same friend. However, on zoom, there are games or the activities like breakout rooms that allow you to mix with everyone.

As part of my transition year, I promised myself I would broaden my horizons and try new things. The EUE programme was the ideal course to do as it offers an insight into college-level biology (which I plan to study in the future). Ironically, the course is held on my half-day for school which suits me perfectly as I won't be missing out on too much schoolwork. I look forward to my 'DCU day' as I like to call it because it's an opportunity for my TY experience that I wouldn't be able to any other year.

I had a good idea prior to the programme what career I would like to pursue however the course has really given me a good insight into a career in biology and has no doubt confirmed my thoughts. I want to study medicine and this would mean studying biology both as part of my secondary and third-level education. Even though it was all online I learned what is expected of university student and also the type of work they get.

Biology student (2020-21)

At the moment I'm doing an EUE course in Biology. It has been extremely enjoyable with the perfect balance of being challenging whilst also completely do-able. All instructors have been super helpful creating Kahoot quizzes for us and holding revision lectures throughout the semester. It's a shame that we can't be on campus but the online delivery has been great. The social experience has been the best it can be with a social night every Wednesday dedicated to getting to know others in your course. The overall organisation of the programme has been amazing and very consistent. The EUE programme has been one of the highlights of my TY year. It is the most consistent and helpful course that I've done with help available live as opposed to prerecorded videos that don't allow for assistance. The EUE programme has given me a great insight into what a university course could be like and the content that I might be learning in the future. I feel it has given me a huge advantage of assisting me in my Leaving Cert subject choices.

Biology Student (2020-21)

I really enjoyed participating in the EUE programme it gave me a sense of what university life and workload is like while not being overwhelming. Doing the classes online was different but it was handled very well and the system ran smoothly. I always felt like I could ask the programme organiser questions anytime. I found the course content really interesting and I would definitely recommend it to anyone who wants to learn about something they're interested in in more depth.

I am currently taking the Law & Politics course as a part of the CTYI EUE programme. So far I have absolutely loved this experience. The course is riveting and completely different to anything I've ever done before. The lecturers are enthusiastic and super involved in the class, along with the students. The online delivery has been surprisingly engaging and by far the best experience I've had with online learning.

Law & Politics Student (2020-21)

ZOOM SOCIAL ACTIVITIES

Given the various Covid-19 restrictions introduced since March 2020, we have been conscious of the challenges facing EUE students in making connections with their classmates. Thus, on Semester 1 of the 2020-21 programme, we introduced some online social activities to help students socialise and get a flavour of the activities typically ran by university clubs and societies.

After a very successful first year of activities, we are delighted to offer another batch to students on the 2021-22 programme. One evening each week, we will run large-scale activities via Zoom, for 1.5 hours. Any EUE student can attend, and there will be 1-2 activities on offer each evening. Previous activities have included Speed-Friending, Games Night, Quiz Night, Student Ted Talks, and Music Appreciation, and we are always open to suggestions from students! We use a mixture of presentations, videos, zoom polls, pop quizzes, and breakout rooms to make activities as engaging and interactive as possible for students - the most important thing that students get to know each other!

You can sign up for as many or as few evenings as you wish, and will do so on a week-by-week basis. Activities will be hosted and managed by our CTYI Assistants.

What Our Students Think

“I love how interactive they are and it makes up for not going into the college.”

“It was really fun, and the people I talked to were all into what we were doing and were open to meeting new friends which I think made it easier to participate in.”

“Everyone was really nice and I had a lot of laughs”

“The activities so far have been super fun! It’s nice to be in breakout rooms with people so we can just talk and get to know each other.”

“Thank you for doing these, everyone has been enjoying them and it lets us get involved with each other even though we can’t be together”

“It’s been so much fun and the highlight of my week”

“It’s all been amazing! I only wish it could be longer!”

FEES

The fees for the Early University Entrance Programme semester 1 are **€800** in total.

Semester fees are paid in two portions:

- A €200 registration fee is required with your application. (This is refundable if you don't get offered a place).
- The remaining €600 fee will fall due on **Friday, 6th August 2021**.

Payment can be made by cheque, bank draft, postal order, or credit/debit card.

Cheques & POs should be made payable to "CTYI". Cash is not accepted.

To pay by card, go to <https://www.dcu.ie/ctyi/application-payment> where you will be able to pay through the CTYI Online Payment Portal.

Scholarships & Financial Assistance

CTYI is making one full scholarship available on each of the five subjects being offered on EUE. Please find the scholarship application form in the application pack.

Please note that scholarships are awarded on the basis of merit and need.

Financial aid is also available. Please contact Catriona if you require a form for this, as it should accompany your application. Students from DEIS schools linked to DCU should contact Catriona directly also, as they are eligible for greatly reduced fees. Please find a list of these DEIS schools below.

DEIS Schools linked to DCU

Only students from the schools listed below qualify for reduced EUE fees. Please note this reduced fee only applies to EUE courses.

<i>Beneavin De La Salle College</i>	<i>Beneavin Road, Finglas, Dublin 17</i>
<i>Chanel College</i>	<i>Coolock, Dublin 5</i>
<i>Colaiste Dhulaigh</i>	<i>Barryscourt Road, Coolock, Dublin 7</i>
<i>Colaiste Eoin</i>	<i>Cappagh Road, Dublin 11</i>
<i>Cabra Community College</i>	<i>Kilkiernan Road, Cabra, Dublin 9</i>
<i>Grange Community College</i>	<i>Grange Road, Donaghmede, Dublin 13</i>
<i>Margaret Aylward Community College</i>	<i>The Thatch Road, Whitehall, Dublin 9</i>
<i>New Cross College</i>	<i>Cappagh Road, Dublin 11, Dublin 5</i>
<i>Mercy College</i>	<i>St. Brendan's Drive, Malahide Road, Dublin 9</i>
<i>Pobalscoil Neasáin</i>	<i>School Ln, Baldoyle, Dublin 13</i>
<i>Rosmini Community School</i>	<i>9 Gracepark Road, Drumcondra, Dublin 9</i>
<i>St Aidan's C.B.S.</i>	<i>Collins Avenue, Whitehall, Dublin 11</i>
<i>St David's CBS, Artane</i>	<i>Malahide Road, Artane, Dublin 5</i>
<i>St. Marys Holy Faith, Glasnevin</i>	<i>Old Finglas Road, Glasnevin, Dublin 11</i>
<i>St Mary's Holy Faith, Killester</i>	<i>Brookwood Meadow, Killester, Dublin 7</i>
<i>St Vincent's CBS</i>	<i>Finglas Road, Glasnevin, Dublin 11</i>
<i>St. Finian's Secondary School</i>	<i>Castlefarm, Swords, Dublin 11</i>
<i>St. Kevin's College</i>	<i>Ballygall Rd East, Finglas, Dublin 11</i>
<i>St. Michael's Holy Faith</i>	<i>Wellmount Road, Finglas, Dublin 9</i>
<i>The Donahies Community School</i>	<i>Streamville Road, Dublin 13</i>
<i>Trinity Comprehensive</i>	<i>Main Street, Ballymun Road, Dublin 9</i>

TIMETABLE INFORMATION

Each semester runs over 14 weeks, which is different to the standard 12 week semester. Students will be required to attend at lectures during school holidays if lectures are scheduled.

SEMESTER I	Begins week starting Monday, 13th September 2021	Concludes week ending Friday, 17th December 2021	Exams: Final week of term
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Please note there are no lectures on the week of the 25th October 2021.

Class will take place between 10am and 4pm, with an hour for lunch and a short break mid-morning and mid-afternoon. Exact times will be defined later, to suit lab sessions etc.

Provisionally, we have the following set in place. Please note that days may change. Previously, classes have had to be offered on alternative days due to the large numbers of students and limited availability of classrooms, but we will do our best to offer the classes on the days listed below.

SAMPLE TIMETABLE

Days liable to change

Day	Course	10am - 12pm	12pm - 1pm	1pm - 2pm	2pm - 4pm
Monday	Business Studies	Module 1	Lunch	Tutorial	Module 2
	International Relations				
Tuesday	Engineering				
Wednesday	Biology				
	Sports Science				
Thursday	Psychology				
	Physics				
Friday	Law & Politics				
	Philosophy				

Orientation

The orientation for new students will take place on the Thursday before the semester begins. Parents may attend orientation if desired. Orientation will take place on Zoom.

Exams, Credits & Exemptions

Students are strongly encouraged to undertake all assessments associated with their modules. This includes continuous assessment and examinations. If a student opts to take the examinations, they will receive a transcript of their results from the Centre for Talented Youth.

Please note that the nature of this programme means grades obtained through examination will not be stored by Dublin City University. They will however be retained by CTYI. If the exam taken was the same, and the student decides to return to that degree programme (or a degree programme that shares that module), post-Leaving Certificate, they may be able to apply to their particular School for exemptions from these modules. These credits may only be redeemed on relevant DCU degree programmes, are not transferable to any other third level institution, and their redemption is entirely at the discretion of the school involved.

It should also be noted that participation on the Early University Entrance Programme does not entitle students to a place on an associated degree programme upon completion of the Leaving Certificate. Students wishing to return to that degree programme must apply through the CAO.

ACADEMIC ARRANGEMENTS

Student Enrolment

Early Entrants will be registered as CTYI students, not DCU students.

Lecture Attendance

Students are required to attend all scheduled lectures. Lecture attendance will be monitored by CTYI. Parents/students will be expected to call/email the office if they are unable to attend class.

Course Delivery and Online Components

Each module will be supported by content on the Google Classroom platform, including copies of lecture slides and notes, useful links, class discussion forums, and further resources.

In the event that lectures and tutorials must be delivered online, we will make use of the Zoom platform to livestream classes at their scheduled slots.

Course Makeup

There will be a limited number of places available on each of the Early University Entrance courses. Please be aware that some course places will be more limited than others due to lab restrictions, etc.

Student Difficulties

Parents are asked to contact the office in the event of their child experiencing any difficulty; academic, social or otherwise.

DAY TO DAY ARRANGEMENTS

Non-Attendance

In the event that the student is unable to attend on a given day, they or their parent must contact the office.

Non-Academic Help & Assistance

Dr. Catriona Ledwith and Ms. Emily Daly will be available to the Early Entrants during the week for support. Where a student is experiencing difficulties on the Programme, they, their parent/guardian or their school are advised to contact us immediately. In the event that Dr. Ledwith is unavailable, Early Entrants should report to Ms. Emily Daly or the CTYI Director, Dr. Colm O'Reilly.

Research

Like the original Early University Entrance programme, it is intended that some research will be carried out on the effectiveness of the programme along with its impact on its participants. Full details of the planned research will be outlined during induction.

COVID 19 HEALTH & SAFETY

Various measures will be put in place to protect all staff and students, such as the following:

Social Distancing

University classrooms have been clearly arranged and marked so that students will adhere to social distancing of 2 metres. EUE class sizes will also be reduced in order to adhere to social distancing, and we may deliver courses through a combination of onsite and online delivery if necessary.

Health Declaration

In accordance with current Government COVID-19 Health and Safety regulations, it will be a requirement that each student completes a Health Declaration before coming on campus. In the event that they pose a risk to themselves or others, they will be asked not to come to campus.

Masks & Visors

Students will be required to wear face coverings in class. Instructors & Teaching Assistants will wear visors

Sanitising

Sanitising stations are available at regular intervals throughout the university buildings. A bottle of hand sanitiser and a pack of sanitising wipes will also be made available to each class group. Students are also encouraged to wash their hands regularly.

Isolation Centres

In the event that a student or staff member presents symptoms in class, they will be brought to one of the designated Isolation Centres on campus if they cannot head home immediately.

Contact Tracing

In the event of someone in the EUE community testing positive, we will contact all staff and students affected. Please note that we may adjust measures depending on government and university guidelines in January- May 2021.

DISCIPLINE

The Early University Entrance Programme demands the same standards of behaviour, one would normally find in a caring, well-organised home. Honesty, cooperation and respect will be expected from all students. Rules concerning student conduct will be explained at the beginning of the Programme. Our rules are for the safety and well-being of all students and we ask both parents and students to cooperate fully with the Programme. Students may be dismissed from the Programme for any of the following reason:

- Stealing
- Vandalism
- Unruly or abusive behaviour
- Bullying
- Possession of alcohol, drugs, tobacco or any substance controlled by law
- Not attending satisfactorily to their academic work
- Being off campus without specific authorisation
- Violating or putting at risk the safety and well-being of any person
- Non-compliance with any of the University rules and regulations

Or for any other reasons, which in the opinion of the director are of a sufficiently serious nature to warrant dismissal.

Any student who has been dismissed from the Programme will not be permitted to take end of semester examinations.

ONLINE CODE OF CONDUCT

CTYI will conduct these classes through university supported applications and students will be assigned CTYI email addresses for communication. Please note CTYI is responsible for these accounts and can access and terminate these at any stage.

Staff will only communicate with students through these forums and will only contact students through mobile devices in emergency situations.

CTYI is not responsible for information shared between students through personal mobile devices but will apply any sanctions necessary if any rule is breached and all child protection standards will be applied.

Students must not:

- Play videos or music while the class in progress
- Post comments unrelated to the class topic or about other students in the chat/class
- Have parents or other people not in the course visible on screen during the class
- Share the link or login details of the online class with others
- Take screenshots of the class or attempt to photograph or record the class in any way
- Share any inappropriate image or document on screen at any stage - this includes inappropriate Zoom backgrounds
- Appear in a state of undress
- Attempt to contact a staff member on any social network
- Use your @ctyi.org account to open any external accounts. It is to be used for these classes only.

Please note that continued breaking of rules or behaviour which disturbs other students' learning will lead to a student being muted or removed from the online session.

APPLICATION PROCEDURE

Applicants must prove that they are sufficiently motivated and ready to undertake learning in a real university environment. The letter of motivation and school recommendations are included in the application pack so that students can present their desire to participate as fully as possible. As spaces are limited on the programme, it is important that applicants take this opportunity to present themselves as worthy candidates for the programme.

How do I Apply?

Candidates should complete the application form accompanying this information brochure. Applicants should refer to the checklist below to ensure that their application contains all of the necessary information. The closing date for receipt of applications is **Friday, 28th May 2021**

Recommendations

You must have two recommendations from teachers at your school. Recommendations should be posted separately. They should be forwarded by your referees to: *Dr. Catriona Ledwith*

*Early University Entrance Programme
Centre for Talented Youth, Ireland
Dublin City University
Dublin 9*

Application Checklist

Please ensure that your application includes the following information:

- Completed Application Form
- €200 Registration Fee
- Recommendations submitted to teachers for completion
- Signed parent and student consent forms
- Copy of Psychologist's report, if requested

Please note that **Teacher Recommendations** may follow your application. Make sure to get your application form in first and we will contact you if your recommendations have not been returned.

Brochures not received

If you know a CTYI student who is in Transition Year during the 2021-22 academic year and has not received this information pack, please ask them to contact 083 11 66 022 or catriona.ledwith@dcu.ie.

Once we Receive your Application

We aim to send course offers by post approximately 3 weeks after the closing date. Details of orientation days will be included in course acceptance packs. Please bear in mind we receive an increasingly high number of applications each year so unfortunately we cannot guarantee dates for course offers.

TERMS & CONDITIONS

Registration Fee: All fees include a €200 registration fee, which is non-refundable for courses accepted.
Returned Cheques/declined Credit Cards: Returned cheques/declined credit cards are liable for a €10 fee to cover handling costs. Please note, your child's application will be suspended until the payment has been processed.

Course Allocations: All communication relating to course allocations is communicated by Post. Please do not call the office as we cannot share this information by any other means.

Fees are non-transferable.

No refunds will be made to students dismissed from the programme.

Students and their families are liable for any damage they cause to university property.

CTYI reserves the right to cancel or alter any course, if due to unforeseen circumstances the course cannot be run economically or efficiently.

Refunds

Written requests for a refund of Application Fees received up to and including 6th August will be considered. After this date there will be no refund of Application Fees.

Refunds are only provided where a course does not take place or where a course is full.

No refunds will be offered in the event of the course moving online due to public health guidelines or a university directive.

Refunds are not given if the student withdraws from the programme having been offered a place on one of their course choices.

The €200 Registration fee is non-refundable for courses accepted.

APPLICATION TIMELINE

Closing Date for Applications..... Friday, 28th May 2021

Balance of Fees..... Friday, 6th August 2021

Orientation.....Thursday before the semester begins

Lectures begin.....Week beginning Monday 13th September 2021

CONTACT INFORMATION

Dr. Catriona Ledwith
EUE Programme Organiser
catriona.ledwith@dcu.ie

Ms. Emily Daly
EUE Administrator
emily.daly@dcu.ie

Dr. Colm O'Reilly
CTYI Director
colm.oreilly@dcu.ie

CTY Ireland
Main Office
ctyi@dcu.ie

EARLY
UNIVERSITY
ENTRANCE
AT DUBLIN CITY UNIVERSITY

CLOSING DATE FOR APPLICATIONS

Friday 28th May 2021

Early University Entrance Programme
CTY Ireland
Dublin City University
Dublin 9