2019 DCU Summer Scholars Programme

2 Week Summer Academic Programme

Academic Summer Programme for Second Level Students

Session Dates: 24th June - 5th July
Applications will not be processed unless full information is provided. Please review your application carefully before posting it as an incomplete application will be returned by post to parents.

The following items cause delay in the application process:

- **Missing Signatures** - both the student’s signature and a parent/guardian’s signature are required on the application form.
- **Fees Not Enclosed** - The application fee (includes the €100 registration fee) is required as part of the application for courses.

**Avoid Delays in the Application Process**

Remember First Come, First Served

Applications will not be processed unless full information is provided. Please review your application carefully before posting it as an incomplete application will be returned by post to parents.

**Early Application Deadline** Receive a €50 fee reduction when Paying in Full upon application.

Students wishing to apply for Financial Aid should contact Ms. Orla Dunne on 01-700 7051, before sending their application. €100 must be included when submitting application forms - we only accept Credit/Debit Cards for this fee.

**Balance of Fees** forms will be posted with the Acceptance Packs in April.

Students will not be permitted to attend the Summer Programme until all fees have been paid.

**Application Information**

**Full Fees***

<table>
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<tr>
<th>Initial Application</th>
<th>Balance of Fees</th>
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<td>€350</td>
<td>€200 (due before May 10th)</td>
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***Early Application Deadline Receive a €50 fee reduction when Paying in Full upon application.
Application Information

Application & Fee Deadlines

***Early Application Deadline............................Friday, 1st February 2019
Financial Aid Deadline...........................................Friday, 22nd March 2019
Normal Application Deadline......................................Friday, 5th April 2019
Balance of Fees Deadline...........................................Friday, 10th May 2019

Please Note:
Course places are allocated on a first-come, first-served basis.

***Early Application Deadline Receive a €50 fee reduction when Paying in Full upon application
(Full fee less €50)

Financial Aid applications must include a minimum fee of €100
- Credit/Debit Cards ONLY

Students will not be permitted to attend the Summer Programme until all fees have been paid.

SEND YOUR CHILD’S APPLICATION TO:

SUMMER SCHOLARS PROGRAMME
CTY IRELAND
Dublin City University
Dublin 9
IRELAND
We are delighted to invite you to participate in the Summer Scholars programme here at Dublin City University. Making choices for third level can be a hugely difficult task and this programme is designed to give you a preview of potential college courses. As well as trying out some new subjects this programme will also give you an opportunity to experience college life on a university campus. You will get to meet other students and also have use of the great facilities on offer here at Dublin City University. It promises to be a great two weeks so hopefully we will see you here on campus in June.

I encourage you to take this opportunity and join us in DCU this summer.

Dr. Colm O’Reilly
CTYI Director

Dublin City University is Ireland’s youngest university. Just 30 years old in November 2010, it currently has a student population of over 17,000, including 3500 postgraduate students, of which more than 750 are research postgraduate students. Moreover, DCU is global in its focus and has a very international campus profile with close to 2000 students from 115 countries outside Ireland.

DCU is an innovative and dynamic institution. Radical in its strategy from the outset, it has always been particularly responsive to the needs of business and industry, both in its programmes of study and its research. It is characterised today by a focus on innovation and entrepreneurship, an ability to move quickly and effect change. DCU is home to world class research centres that focus on translating their outputs into societal and economic benefits. DCU has the highest research income per faculty member of any Irish university and is committed to continuing its vigorous contribution to the development of Ireland as a globalised knowledge society.

In 2010, in collaboration with the Irish Centre for Talented Youth (CTYI), DCU launched Summer Scholars. CTYI has a long record of stimulating and exciting talented students. We share the same educational philosophy and the same commitment to nurturing and challenging young people and assisting them to fulfil their intellectual potential. DCU Summer Scholars is a chance for you to gain an insight into college life and try some of the great courses that DCU has on offer.

Professor Brian MacCraith
President
Dublin City University
Course Information

The courses are college style & similar to those on offer at university undergraduate level. Drawn typically from a university curriculum, the courses open up new avenues of learning and opportunities for greater challenge and stimulation than students would be used to at school. Students may also use this as an opportunity to trial run a university course that they may be considering after they leave school. Our courses are fast paced and cover material in more depth and at greater levels of complexity than is usual at post primary school. They are designed to be intellectually stimulating.

Eligibility
This course is open to all second level students aged 12-17 years, except those who will sit their Leaving Certificate in June 2019. All students attending should be born after 1st June 2002. Please note applicants MUST have sufficient English proficiency.

Course Structure
Students take one subject, which they study intensively for approximately 65 hours over the 2 weeks. Class sizes are small with 18-20 students. Overall, the student to staff ratio is approximately 5 to 1. Classes have an instructor and a teaching assistant (TA). CTYI staff are chosen on the basis of mastery of the subject, enthusiasm and good communication skills. Homework will be assigned and this will take about two hours per day to complete.

Course Choices
All students who meet the age criteria may also apply to the DCU Summer Scholars Programme. We may however, receive more applicants than there is space available. Students are assigned to courses on a first-come, first-served basis although we do encourage students to apply as early as possible as this gives our office more processing time. Students should think very carefully about their course choices, listing only those courses which they will accept if they do not receive their first choice. The more flexible students can be, the greater their chances of being assigned to a course. Applications should be received by 5th April 2019. Please note, students are assigned courses on a first-come, first-served basis.

Course Allocation
Course assignment packs will be posted as soon as possible after 12th April to students who have been allocated places. Students who have not been offered places may choose to have their deposit returned or apply for any places which have not been taken up. (Please note that refund requests must be made in writing). CTYI reserves the right to cancel or alter any course if, due to unforeseen circumstances the course cannot be run economically or efficiently. Students who pay full fees upon application before 1st February 2019 will receive €50 discount off their total fees.

Note to Returning Students
Enrolment is limited in many of the courses. Please do not assume that because you have participated in CTYI previously, you will receive your first choice. It is very important for you to list alternatives.
The courses are college style & similar to those on offer at university undergraduate level. Drawn typically from a university curriculum, the courses open up new avenues of learning and opportunities for greater challenge and stimulation than students would be used to at school. Students may also use this as an opportunity to trial run a university course that they may be considering after they leave school. Our courses are fast paced and cover material in more depth and at greater levels of complexity than is usual at post primary school. They are designed to be intellectually stimulating.
Course Descriptions

**App Design**

Once upon a time you needed a desktop PC to run an application, but nowadays the humble app is big business and can be found on phones, tablets, even televisions. Makers of these devices usually provide access to all the software you need to develop your own “killer app” and this course aims to provide students with the tools to do just that. This fast paced course aims to give students a well-rounded understanding of what is required to make both functional and user-friendly apps for Android and iOS devices. Starting with the MIT App Inventor software, students will rapidly develop several generic applications and following a crash course in user interface design will then be challenged to design and build apps of their own. The course will also include case studies, best practices in development and building apps in, and for, web browsers. Can’t tell your API from your SDK? Don’t worry, the whole course will be taught from first principles!

**Cutting Edge Science**

Science is a philosophy rooted in seeking out the observable objective truths of the world, to be on the cutting edge of Science research is to be involved in the discovery of previously unknown knowledge and its utility in the modern world. This course will explore the cutting edge of scientific research in the fields of biology, chemistry and physics, and importantly, will look at the multidisciplinary nature of cutting edge research. No longer do these fields live in isolation; in fact the most interesting and redefining research happens at their intersection. Modern cybernetic prostheses incorporate physical and engineering principles, while literally integrating with the human biological system, biotechnology firms synthesise plastics and other highly sought after chemicals via microbiological pathways. This course will incorporate both practical and theoretical elements to equip students with a critical understanding of the cutting edge of scientific research and application.

**Law**

How many of us know how the law actually works? It’s around us every day, but for many it remains a mystery. Crime scene shows and courtroom dramas give a glimpse of its inner workings, but even they often don’t tell you the full story. This course has that full story. First, it’s about how law is applied in practice today. At the end of two weeks, you will be able to debunk many of the common myths surrounding the law. Is an accused person always innocent until proven guilty? Is DNA evidence as conclusive as it seems? How do judges and juries really come to their conclusions? With this new understanding of how law is in reality, the class will embark on a course long project to design reforms of the law. Next is how law is written down, in legislation, the Constitution, and in books. We will look at all the main areas that students might encounter (like criminal law, tort, and constitutional law) as well as some of the lesser known areas of study, like media law and sports law. Throughout the course there will be a particular focus on the Constitution and the effect the European Convention on Human Rights has on Irish law. The last part of the story shows you how to ‘do’ law. We will develop some of the most crucial skills that any good lawyer needs: opinion writing, case analysis and, of course, your skills of persuasion, which will be honed in the class discussions that form an integral part of the course.
Course Descriptions

Medicine
Do you want to be a doctor in the future? If so, why not try this innovative taster course in medicine, which contains both theoretical and practical elements. Students will learn about health and illness with a focus on anatomy, the causes, prevention and possible cures and treatments of various diseases. The course will focus on problem based learning where these health practitioners of the future will be taught the basics of medicine using case studies, evidence from expert speakers and advice from the instructor. Debates and discussions on topics such as the value of alternative therapies, should blood and organ donation be compulsory, and is biotechnology the way forward for medical treatments, will be carried out by the students.

Psychology
This course is designed as an introduction to psychology which aims to examine the core concepts and specialisations in psychology today. The areas which will be studied include those of Emotion, Sensation & Perception, Memory, Intelligence, Social Psychology and the Biological basis of behaviour. This course will also have a practical basis. The study of Body Language, Nonverbal communication and Relaxation Techniques are an integral part of the course. Each student also researches, designs and presents his/her own project.

Zoology
From microscopic investigation to the basics of veterinary medicine, Zoology covers principles of comparative animal anatomy, physiology, and genetics. This course begins with an overview of key concepts in zoology as students examine the characteristics of the animal cell and discuss heredity and issues of evolution, including natural selection. They then turn to taxonomy, as they study increasingly complex types of animals. As students’ progress through the course, they research and discuss topics including animal behaviour, environmental adaptation, husbandry and domestication, and the human impact on animal life-including environmental degradation and species extinction. In lab work and in the field, students put science into practice: they learn to formulate research questions, gather and analyse data, and interpret results. On field trips to nearby zoos or veterinary facilities, students observe animals and meet with scientists to discuss current medical research and animal care.
Student Life

Weekday Schedule
9.00am - Class
(There is a 15-min break mid-morning)
12.00pm - Lunch
1.00pm - Class
3.00pm - Activities/Students Sign Out
5.00pm - Students Sign Out

Teaching Assistants
A varied programme of sport and recreation has been arranged in conjunction with the academic programme. During the time they are not in class, students are supervised by their Teaching Assistants (TAs), and their time is highly structured. Each class has a dedicated Teaching Assistant. The TAs are usually university students, who are studying a similar discipline at university themselves. They are responsible for helping students in class as well as for leisure and sports activities and out of class supervision. In general, they help students adjust to life on the programme. They encourage a friendly and supportive atmosphere among the students and ensure that they observe the rules of the programme.

The recreational activities are supervised by the TAs, with students choosing from a wide range of options, which could include team and individual sports, board games, discussion groups, drama, reading etc.

Sign In & Sign Out
Students sign in at their classroom each morning, and sign out at the Site Office when they leave class at 3pm or 5pm. There will be a designated person with whom students should sign out. Once signed in, students must not leave the campus at any time except with the expressed permission of the Director or senior staff member authorised for this purpose. Failure to comply with this regulation will result in immediate dismissal from the programme. Students off campus and unsupervised by a CTYI staff member are not covered by DCU insurance policy. We therefore accept no liability for them.

Lunch
Students may bring a packed lunch. Students will have access to the Londis shop on campus to buy sandwiches etc. or buy the set lunch provided by CTYI.

Campus Facilities
Facilities available on campus include bank, interfaith chaplaincy centre, restaurant and shops.

Computing Facilities
There are excellent computer facilities for those courses that require computers. We do not allow students to bring their laptops or tablets to CTYI as word processing facilities and Internet access are available at specific times during class.

Social
As this is a commuter programme, there will be no weekend activities for Summer Scholars students. Between 3.00pm and 5.00pm students attend recreational activities. The activities are supervised with students choosing from a wide range of options, which could include team and individual sports, board games, discussion groups, drama, reading etc. There will be a disco on the last Thursday of the programme, following the closing ceremony.
What to bring?
Specific information will be included in the acceptance pack that will be posted in April. All students should bring general class materials (paper, pens, pencils, note-pads, dictionaries, calculators, etc.). In general your child should bring warm, comfortable clothes for class, sports and other recreational activities. As the weather in Ireland is notoriously changeable, we suggest that students bring clothing which can be layered and also bring a warm, waterproof jacket or coat along with waterproof shoes for field trips and outings.

What NOT to bring?
No water guns, bicycles, skateboards and time consuming games such as video or computer games are not permitted.
The use of cell/mobile phones is confined to those times when students are not engaged in class or activities. Rules concerning their use will be explained to students on their arrival to the programme.
Students are not permitted to bring laptops or tablets devices to DCU Summer Scholars.
Students are responsible for their personal items. CTYI and DCU cannot be held responsible foe loss or damage.

Campus Safety
Students must not leave campus at any time except with the express permission of the Director or a senior staff member authorised for this purpose. Failure to comply with this regulation will result in immediate dismissal from the programme. Students off campus and unsupervised by a programme staff member are not covered by the college insurance policy, and Dublin City University and CTYI accept no liability for them.

Medical Services
Services provided on campus will normally be limited to first aid. Students may be referred by CTYI to other health care facilities e.g. private clinics, general medical practitioners or hospitals for conditions requiring additional diagnosis and care.
Parents will be notified immediately in the event of a more serious illness or injury, or it is felt that the student should see a healthcare professional.
Families are responsible for the costs of prescriptions and transport costs to and from medical centres and any health care beyond that provided free of charge on campus. Please note that these costs must be paid for immediately.
In the event that a student needs to see a healthcare professional, we encourage parents to bring them. Where not possible, CTYI will make the necessary arrangements to take the student.

Insurance
Students attending Scholars are covered by DCU’s public liability insurance policy while in the care of CTYI. This cover does not extend to students who leave campus without permission or without a staff member. Previous students may not visit current students during the programme. Students found on campus in the company of previous students may be dismissed from the programme. If a student is dismissed from the programme they are no longer the responsibility of CTYI once his or her parent/guardian (or person nominated by parent/guardian) has been notified of the impending dismissal and given reasonable time to arrange to receive the student. It is the responsibility of the parent/guardian to ensure that he/she or their nominated substitute is contactable and available to the student in the event of dismissal.

Advice to Parents
Some students approach their first experience at DCU Summer Scholars with a little trepidation. We would suggest that you try to encourage them to overcome these normal and natural apprehensions. However no matter how enthusiastic you may be about the programme, we do not recommend that you send very reluctant young people to DCU Summer Scholars.
Frequently Asked Questions

How many places are available on the Summer Scholars Programme?
There are approximately 150 places available.

When will I receive notification of acceptance for course I applied for?
You will receive notification of acceptance as soon as possible after the Application deadline (5th April 2019).

What if I withdraw from the programme before it begins?
Refunds are not generally given to students who withdraw unless in very exceptional circumstances. Requests for refunds must be given in writing to the CTYI Director and are given solely at his discretion.

How much pocket money should my child bring?
We suggest that parents give their child their normal amount of pocket money that they would have at home. The only items that students may wish to buy would be lunch. There are three ATMs on Campus.

What sort of clothes should I bring?
Students normally wear casual clothing for classes and activities and perhaps dress up a little more for discos and the closing ceremony. Please label ALL clothing with student’s identification details. Temperatures in Dublin for the month of July range from 12-24 degrees Celsius. CTYI would suggest that students bring clothing which can be layered and also a heavy sweater and raincoat are recommended for cool evenings and in case of rain. Please note, if students are wearing inappropriate clothing they will be asked to change.

What certifications are received at the end of the course?
All students who complete a Summer Scholars course receive a certificate.

How are subjects chosen for syllabus?
Our principal aim is to choose subjects which are both interesting and challenging for the students. We try to find material that students would not usually have access to in school. Typically courses in this programme (for students 12-17 years) cover first year university material.
Discipline

CTYI demands the same standards of behaviour which one would normally find in a caring well-organised home. Cleanliness, honesty, co-operation and respect will be expected from all students. Rules concerning student conduct will be explained at the beginning of the session. Our rules are for the safety and well-being of all students, hence, we ask both parents and students to co-operate fully with the programme.

Students may be **immediately dismissed** from the course for any of the following reasons:**

- Bullying
- Possession or use of alcohol, drugs or a substance controlled by law
- Being off campus without specific authorisation
- Being in restricted areas of the campus (including parts of the Residential Building) unaccompanied by a CTYI staff member
- Violating or putting at risk the safety and well-being of any person

Students **may be subject to dismissal** from the course for any of the following reasons (on a case by case basis):**

- Punctuality (applicable to all aspects of the course)
- Stealing
- Vandalism
- Bullying
- Possession or use of tobacco or e-cigarettes
- Not attending satisfactorily to their academic work
- Abusive language in verbal or written form to students or staff member
- Inappropriate behaviour on or off campus
- Using computing facilities for purposes other than assigned course work

**For other reasons which in the opinion of the director are of a sufficiently serious nature to warrant dismissal

General Rules

Students may not contact a staff member on any social network unless the account is a registered CTYI one. Students may not take a picture or video of a staff member or student without their express permission. Students should not interact with those who are not part of the programme during their time on campus. Students should not use mobile phones or tablet devices at unauthorised times – i.e. during class/activities.

Important to Note

Students who violate programme rules are subject to the disciplinary actions outlined below. No refunds will be made to students dismissed from the programme. Students and their families will be billed for any damage they cause. No evaluation for the course will be given to a student who has been expelled. Details on CTYI Data Protection and Equality policies can be found on our website ww.dcu.ie/ctyi/CTYI-Policies

Insurance

Students of CTYI are covered by Dublin City University’s public liability insurance policy while in the care of CTYI. This cover does not extend to students who leave campus without permission or without a staff member in attendance. Previous CTYI students may not visit current students during the programme. A student who has been dismissed from the programme will no longer be the responsibility of Dublin City University or of CTYI once their parent/guardian or a person nominated by them for that purpose has been notified of the impending dismissal and given reasonable time to make arrangements to receive the student. It is the responsibility of the parent/guardian to ensure that he or she or a substitute authorised to act on their behalf is contactable and available to receive the student in the event of dismissal.
Terms & Conditions

Students who violate programme rules will be dismissed from the programme. No refunds will be made to students dismissed from the programme. Students and their families will be billed for any damage they cause.

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

CTYI accepts no responsibility for items lost/stolen or damaged on the premises. We recommend students leave valuables at home.

We do not return lost property so make sure when leaving that you bring everything with you.

Places are allocated on a first come, first served basis.

Incomplete application forms will be returned to parents by post.

All payments and installments must be paid on time, as shown on brochure. CTYI reserves the right to cancel the booking without refund if this condition is not followed.

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.

If you request a receipt for payment, please enclose a stamped addressed envelope. Receipts are only prepared when full fees are received.

Limited places will be held for students taking SCAT in January & February.

Refunds

The €100 Registration fee is non-refundable.

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

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

Written requests for a refund of Application Fees received up to and including 5th April will be considered. Application Fees will not be refunded after 5th April.

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

Ms. Orla Dunne  
Student Applications Administrator  
01 700 7051  
orla.dunne@dcu.ie

Dr. Leeanne Hinch  
Academic Coordinator  
01 700 8103  
leeanne.hinch@dcu.ie

General Queries  
+353 1 700 5634  
ctyi@dcu.ie

Dr. Colm O’Reilly  
CTYI Director  
01 700 5634  
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Early Application Deadline: 
1st February 2019

Normal Application Deadline: 
8th April 2019

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