



**Trinity College Dublin**  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

# Online Postgraduate Certificate /Diploma /M.Sc. in Managing Risk and System Change

**Centre for Innovative Human Systems (CIHS)**

**School of Psychology**

**[www.tcd.ie/cihs](http://www.tcd.ie/cihs)**





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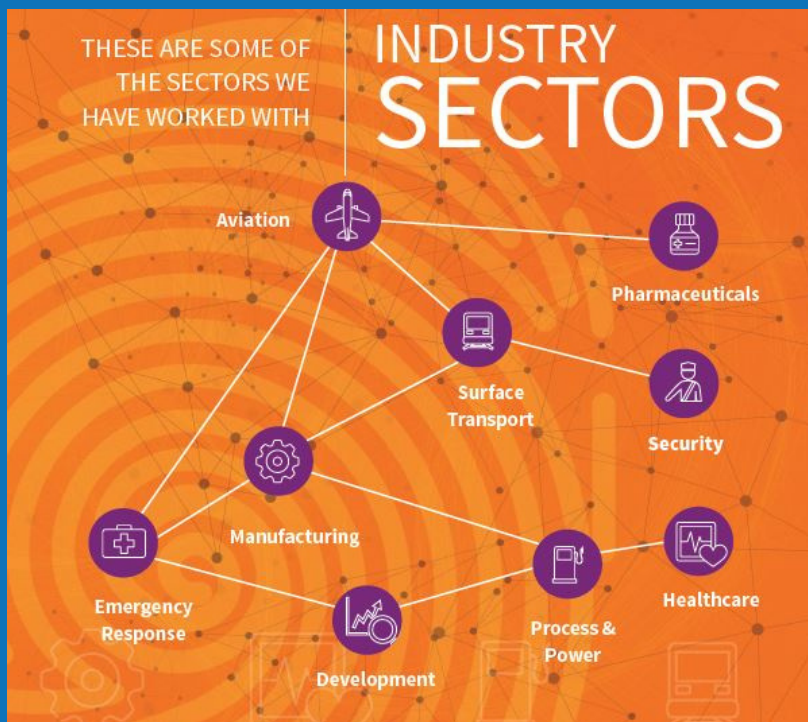




# Centre for Innovative Human Systems (CIHS)

## Who We Are

The Centre for Innovative Human Systems (CIHS) brings together a critical multidisciplinary capability in process innovation, development and application of new technologies, and managing risk and organisational change. Psychology, Business and Organisation, Engineering, Computer Science and Health Sciences all contribute to the work of the Centre.



Researchers in the Centre for Innovative Human Systems have received national and international recognition for their work, with over €25 million of funding secured from European Commission research Programmes, National Funders and Industrial Sectors. CIHS researchers contribute to SFI Research Centres LERO and ADAPT, and are members of European and global research collaborations.

With a focus on People, Process and Performance the CIHS provides a range of services including collaborative industrial research, training and consultancy, as well as education with our Online Postgraduate Certificate/Diploma/M.Sc. in Managing Risk and System Change.

This course commenced in 2015 and it has attracted students with a high level of responsibility for managing risk, safety, improvement and change in a wide variety of industries across the globe – including health, aviation and other transport modes, emergency services, finance, pharma, defence forces and IT.

This demand has led to the development of a Postgraduate Certificate for time-limited professionals who wish to further their learning without committing to a Masters.



# Online Postgraduate Certificate in Managing Risk and System Change (30 ECTS)

**NEW**

Entry route



This one year course includes four modules from our established M.Sc. in Managing Risk and System Change. Spread over one academic year it allows students to supplement their further education and career development without the need to commit to an M.Sc. On successful completion graduates of this course may progress to Postgraduate Diploma level.

It is relevant to safety critical industries across the globe and focuses on people already in work, who have responsibility for managing: risk; change; safety; quality; planning; system design. It brings the next generation of safety, risk and change management to you, in your work, embedded in your everyday practice with a systemic, proactive and performance focus.

The overall objective of this online Postgraduate Certificate programme is to provide a rigorous but practical focus on managing risk, change and strategic HR in operations, manufacturing and services, with an innovative integrated approach to the role of people in such systems. It provides a core framework that has been tested in collaborative industrial research and practice for managing and developing people, the design and integration of new technologies, the management of risk and the implementation of change.

**Start Date:**

September each year.

**Duration:**

One year part-time

**Lectures:**

One evening per week for two hours online

**Assessment:**

- Continuous assessment across all modules.
- Online Submission.
- No Examinations.

**Online Learning Supports:**

- Dedicated course administrator.
- Mentor assigned to each student per assignment.
- Online library access.
- Lectures are recorded for students to listen in their own time.
- Interactive online tutorials.
- Full access to all Trinity College Dublin campus services.



# "a rigorous but practical focus on managing risk, change and strategic HR"

## Modules

### The Role of People and Processes in Organisations (10 ECTS)

#### Topics Include:

Understanding Human Error and System Failure / Human Factors in Socio-Technical Systems / Information Flow / Technology and Automation

### Managing Performance and Risk (10 ECTS)

#### Topics Include:

Understanding and Managing Risk / Human Reliability / Regulatory Requirements / Risk Probability and Consequence / Risk Monitoring

### Leading Change (5 ECTS)

#### Topics Include:

Leadership and Risk / Leadership Matters / Power to the Practitioner / Accountability and Leadership / Emotional Intelligence for Leadership

### Strategic Human Resource Development (5 ECTS)

#### Topics Include:

People Management / Recruitment and Selection Process / Effective Teamwork and Collaboration / Managing HR Strategically

## Progression:

On successful completion of all modules and associated assessments for the Postgraduate Certificate, students may progress to the **Postgraduate Diploma in Managing Risk and System Change**.



## How to Apply

Submit your application and supporting documentation online at [www.tcd.ie/courses](http://www.tcd.ie/courses). Applications are reviewed on a rolling basis.



## Entry Requirements

- Hons Bachelor degree with minimum 2.1 result or equivalent.
- Students should be in or have access to a work environment.
- Proficiency in English. Non native speakers require IELTS/TOEFL test.
- Two references.
- Completed online application form.

**Note:** Applications will be considered from applicants who do not have a primary degree but demonstrate suitable ability to study at this course level.



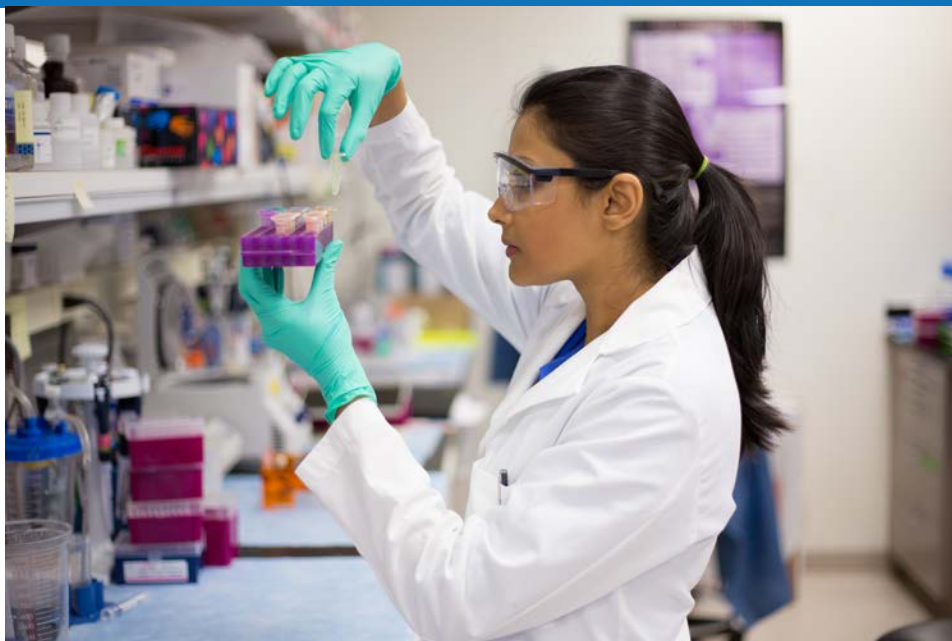
## Tuition Fee

Please refer to [www.tcd.ie/academicregistry](http://www.tcd.ie/academicregistry) for current tuition fees.





# Online Postgraduate Diploma in Managing Risk and System Change (60 ECTS)



This one year course includes seven modules from our established M.Sc. in Managing Risk and System Change. Spread over one academic year it allows students to supplement their further education and career development without the need to commit to an M.Sc. On successful completion graduates of this course may progress to M.Sc. level.

It is relevant to safety critical industries across the globe and focuses on people already in work, who have responsibility for managing: risk; change; safety; quality; planning; system design. It brings the next generation of safety, risk and change management to you, in your work, embedded in your everyday practice with a systemic, proactive and performance focus.

The overall objective of this online Postgraduate Diploma programme is to provide a rigorous but practical focus on managing risk, change and strategic HR in operations, manufacturing and services, with an innovative integrated approach to the role of people in such systems. Additional subjects will focus on stability and change, socio-technical system design and statistics and action research methods.

Students can apply directly to the Postgraduate Diploma consisting of seven modules or, on successful completion of the Postgraduate Certificate, complete the remaining three modules to top up their qualification to a Postgraduate Diploma.

**Start Date:**

September each year.

**Duration:**

One or two years part-time

**Lectures:**

One evening per week for two hours online

**Assessment:**

- Continuous assessment across all modules.
- Online Submission.
- No Examinations.

**Online Learning****Supports:**

- Dedicated course administrator.
- Mentor assigned to each student per assignment.
- Online library access.
- Lectures are recorded for students to listen in their own time.
- Interactive online tutorials.
- Full access to all Trinity College Dublin campus services.



# "relevant to safety critical industries across the globe and focuses on people already in work"

## Modules

### **The Role of People and Processes in Organisations (10 ECTS)**

#### **Topics Include:**

Understanding Human Error and System Failure / Human Factors in Socio-Technical Systems / Information Flow / Technology and Automation

### **Stability and Change (10 ECTS)**

#### **Topics Include:**

People Management / Recruitment and Selection Process / Effective Teamwork and Collaboration / Managing HR Strategically

### **Managing Performance and Risk (10 ECTS)**

#### **Topics Include:**

Understanding and Managing Risk / Human Reliability / Regulatory Requirements / Risk Probability and Consequence / Risk Monitoring

### **Socio-Technical System Design (10 ECTS)**

#### **Topics Include:**

Field Work for Design / Concept of Operations / Requirements / Challenges for Future Design Systems / HMI Design Principles

### **Leading Change (5 ECTS)**

#### **Topics Include:**

Leadership and Risk / Leadership Matters / Power to the Practitioner / Accountability and Leadership / Emotional Intelligence for Leadership

### **Strategic Human Resource Development (5 ECTS)**

#### **Topics Include:**

People Management / Recruitment and Selection Process / Effective Teamwork and Collaboration / Managing HR Strategically

### **Statistics and Action Research Methods (10 ECTS)**

#### **Topics Include:**

Conducting Research Interviews / Research Proposal Writing / Qualitative Research / Survey Design / Research Methods and Statistical Tests

## **Progression:**

On successful completion of all modules and associated assessments for the Postgraduate Diploma, students may progress to the **M.Sc. in Managing Risk and System Change**.



## **How to Apply**

Submit your application and supporting documentation online at [www.tcd.ie/courses](http://www.tcd.ie/courses). Applications are reviewed on a rolling basis.



## **Entry Requirements**

-Hons Bachelor degree with minimum 2.1 result or equivalent.

-Students should be in or have access to a work environment.

-Proficiency in English. Non native speakers require IELTS/TOEFL test.

-Two references.

-Completed online application form.

**Note:** Applications will be considered from applicants who do not have a primary degree but demonstrate suitable ability to study at this course level.



## **Tuition Fee**

Please refer to [www.tcd.ie/academicregistry](http://www.tcd.ie/academicregistry) for current tuition fees.



# Online M.Sc. in Managing Risk and System Change (90 ECTS)



The overall objective of this online M.Sc. programme is to provide a rigorous but practical focus on risk, change and system design in operations, manufacturing and services, with an innovative integrated approach to the role of people in such systems. It provides a core framework that has been tested in collaborative industrial research and practice for managing and developing people, the design and integration of new technologies, the management of risk and the implementation of change.

World-class international teams who have collaborated through industrial research have been mobilised to provide the highest calibre research led teaching, supervision and professional expertise.

Current students on the course are working in a diverse range of industries which include; **Finance, Healthcare, IT, Defence Forces, Emergency Services, Aviation, Casino and Gambling, Law Enforcement, Process and Software Development and Pharmaceuticals.**

The course is an excellent qualification to supplement the further education and career development of personnel who have responsibility for managing: **risk, change; operations; quality; safety; human resources; planning; and system design.**

## Start Date:

September each year.

## Duration:

Two or three years part-time

## Lectures:

One evening per week for two hours online

## Assessment:

- Continuous assessment across all modules and dissertation.
- Online Submission.
- No Examinations.

## Online Learning Supports:

- Dedicated course administrator.
- Mentor assigned to each student per assignment.
- Online library access.
- Lectures are recorded for students to listen in their own time.
- Interactive online tutorials.
- Full access to all Trinity College Dublin campus services.





# "learning which is embedded in your everyday work practices with a systemic, proactive and performance focus"

## Modules Year 1

### **The Role of People and Processes in Organisations (10 ECTS)**

**Topics Include:**

Understanding Human Error and System Failure / Human Factors in Socio-Technical Systems / Information Flow / Technology and Automation

### **Stability and Change (10 ECTS)**

**Topics Include:**

People Management / Recruitment and Selection Process / Effective Teamwork and Collaboration / Managing HR Strategically

### **Managing Performance and Risk (10 ECTS)**

**Topics Include:**

Understanding and Managing Risk / Human Reliability / Regulatory Requirements / Risk Probability and Consequence / Risk Monitoring

### **Socio-Technical System Design (10 ECTS)**

**Topics Include:**

Field Work for Design / Concept of Operations / Requirements / Challenges for Future Design Systems / HMI Design Principles

### **Leading Change (5 ECTS)**

**Topics Include:**

Leadership and Risk / Leadership Matters / Power to the Practitioner / Accountability and Leadership / Emotional Intelligence for Leadership

### **Strategic Human Resource Development (5 ECTS)**

**Topics Include:**

People Management / Recruitment and Selection Process / Effective Teamwork and Collaboration / Managing HR Strategically

### **Statistics and Action Research Methods (10 ECTS)**

**Topics Include:**

Conducting Research Interviews / Research Proposal Writing / Qualitative Research / Survey Design / Research Methods and Statistical Tests

## Modules Year 2:

Students complete their research dissertations (30 ECTS). The overall aim of which is to utilise the critical understanding and key concepts gained from the other modules and to apply these into an action-based workplace dissertation.



### How to Apply

Submit your application and supporting documentation online at [www.tcd.ie/courses](http://www.tcd.ie/courses). Applications are reviewed on a rolling basis.



### Entry Requirements

- Hons Bachelor degree with minimum 2.1 result or equivalent.
- Students should be in or have access to a work environment.
- Proficiency in English. Non native speakers require IELTS/TOEFL test.
- Two references.
- Completed online application form.

**Note:** Applications will be considered from applicants who do not have a primary degree but demonstrate suitable ability to study at this course level.

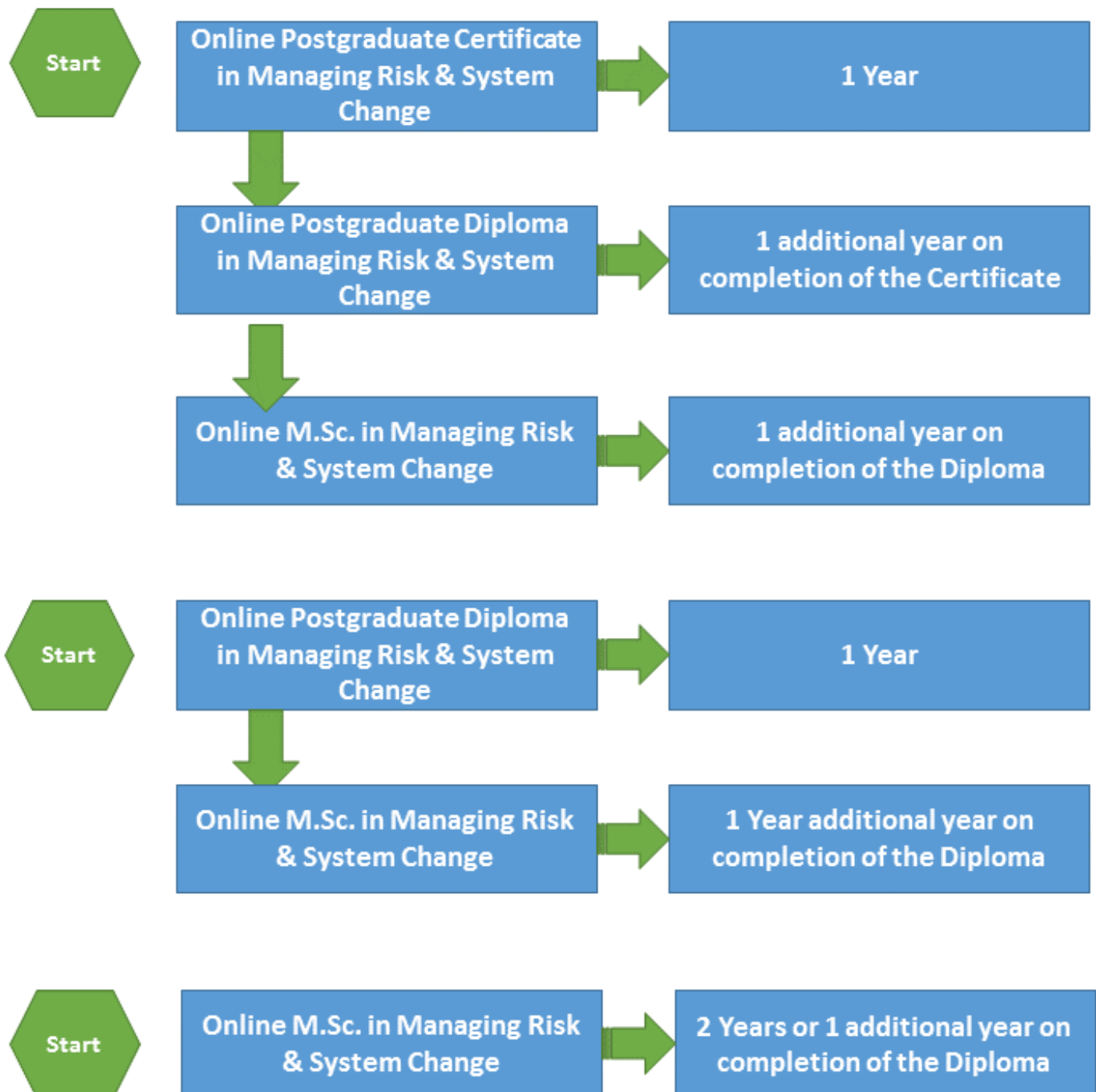


### Tuition Fee

Please refer to [www.tcd.ie/academicregistry](http://www.tcd.ie/academicregistry) for current tuition fees.



# Progression Routes for the Online Certificate/ Diploma and M.Sc. in Managing Risk and System Change





# What To Expect As An Online Student At Trinity College Dublin

Trinity College's Centre for Innovative Human Systems (CIHS) is one of the very few places that offer the opportunity to undertake this programme through distance learning. Delivering this programme in this manner will provide students with a stimulating online learning experience by creating a structured yet flexible learning approach. The time of study will also be flexible as students can engage with the majority of the learning activities at a time that suits their schedules and personal responsibilities.

The learning that takes place according to the student's own availability is the asynchronous learning experience. One lesson plan for each module will be released to students each week and each module adopts a structured approach to learning. Students are required to engage in specified tasks and activities by specified deadlines. In addition, certain parts of the course require all students to participate in a shared learning activity at the same time – this is the synchronous learning experience. Learning materials can be accessed completely online at any time of the day.

At all stages of the course, the student will have support of the lecturing staff and course coordinator. Students will access academics and relevant administration staff for assistance should the need arise. Lecturers can be asked content-related questions each week through the synchronous tutorials, where students will get real-time responses to any questions they might have.

In addition, module-level and session-level discussion-fora/forums will provide the opportunity for students to pose questions that all students and academics on the course can see and respond to.

## Recordings



All live online tutorials are recorded to allow students to listen back if they miss a session.

## Accessible Lectures



Blackboard Collaborate where we run our live lectures can be accessed via Phone, Tablet or Laptop/PC.

## Lecture Resources



Lecture slides, notes and recommended readings are available as a direct download from our student Blackboard platform.



# What Our Students Say....

Students who have completed the course come from a variety of industry backgrounds including; **Finance, Healthcare, IT, Defence Forces, Emergency Services, Aviation, Casino and Gambling, Law Enforcement, Process and Software Development and Pharmaceuticals**

"I work full-time with the H.S.E., and have been out of academia for over 15 years. I applied to the M.Sc. in Managing Risk and Systems Change because it was so relevant to what I do. My understanding and views on managing risk and systems change in socio-technical systems, such as healthcare, have been considerably broadened by what I have learned"

**Healthcare Student**



"For those of us who work full time and could not therefore contemplate attending a conventional college course on either a full or part time basis, this innovative approach has resulted in a highly flexible and adaptable course. I have enjoyed the huge academic challenge and the interaction with practitioners from a wide range of industries has been most enlightening. Having spent over 35 years in the aviation industry, this course is evidence that it's really never too late to learn"

**Transport/Aviation Student**

"The Masters in Managing Risk and Systems Change provides an excellent opportunity to learn from both a theoretical and practical stance, about the key ingredients for successful system change and risk mitigation.

A particular highlight of this course involves the interaction with students from a variety of backgrounds, each with different industry experiences and knowledge"

**Finance Student**



"I am certain that the delivery of third level on-line courses will prove to be a major step forward in the education of students. In particular, the delivery of the M.Sc. in Managing Risk and System Change has been very beneficial for me.

I typically work evenings and weekends so I need to be able to log on to Blackboard when it suits me. This course affords me the required flexibility to attain this qualification"

**Emergency Services Student**



# Frequently Asked Questions

## Admissions

### How do I apply for the course?

All applications are made online via the Trinity College Dublin website. See [www.tcd.ie/courses](http://www.tcd.ie/courses) for more details

### What is the closing date?

All applications must be made no later than 31st July each year.

### When does the course start?

The course begins in early September each year.

### Is there an application fee?

There is an online application fee of €55.

## Application Assessment

### How long does it take to review the application?

Applications are reviewed on a rolling basis as they come in. Once submitted you will receive an acknowledgement and application updates will be available via the portal where you apply.

### What if I am missing documents?

We understand not every applicant will have all documents at the time of application. You can submit your application without having all necessary documents and add additional documents as they become available.

### Can I get a conditional offer?

In the event an applicant is deemed suitable based on the information available, we may issue a conditional offer, e.g. conditional on an applicant supplying a missing reference or copy of a transcript. All conditions must be satisfied prior to an applicant becoming a registered student.

**Note:** Applicants may be invited for interview or asked to complete a piece of academic writing.

## Finance

### How are tuition fees paid?

On offer an initial deposit of €500 is paid to secure your place. The remainder of tuition fees are paid in two instalments, half in September and half in the following January (subject to change). Fees can be paid by credit card online or via bank transfer.

### My employer is funding the course, what do I need to know?

Tuition invoices are sent via your student portal and are made out to the **student only**. It cannot be made out to your employer. We can however write you a statement of fees letter which you can present to your employer.

Details in relation to your employer being set up as an approved sponsor can be found at

[www.tcd.ie/academicregistry/fees-and-payments](http://www.tcd.ie/academicregistry/fees-and-payments)



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The University of Dublin

## Contact Us

**Course Administrator: Mr. Rory Carrick**

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**Phone: +353 (0) 1 896 4818**

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**Email: [scorrig@tcd.ie](mailto:scorrig@tcd.ie)**

**Phone: +353 (0) 1 896 2605**

**[www.tcd.ie/cihs](http://www.tcd.ie/cihs)**

