



OLLSCOIL NA GAILLIMHE
UNIVERSITY OF GALWAY

Coláiste na hEolaíochta agus na hInnealtóireachta
College of Science and Engineering

Scoil na Ríomheolaíochta
School of Computer Science



OLLSCOIL NA
GAILLIMHE
UNIVERSITY
OF GALWAY

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School of Computer Science



2CCS1
Cloud Computing
and Software
Development
Postgraduate Diploma



Springboard+ is co-funded by
the Government of Ireland
and the European Union.



Riailtas na hÉireann
Government of Ireland



Arna chomhchaitiú ag
an Aontas Eorpach
Co-funded by the
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cs.UniversityofGalway.ie



POSTGRADUATE DIPLOMA IN CLOUD COMPUTING AND SOFTWARE DEVELOPMENT

Year 2

Student Handbook 2025 – 2026

School of Computer Science, Computer Science (CS) Building, University of Galway

University of Galway School of Computer Science requires all students to have exclusive use of a laptop for use in lectures and labs, for home use of online materials and for participation in online sessions.

The minimum and recommend spec are detailed at <https://www.universityofgalway.ie/science-engineering/school-of-computer-science/currentstudents/laptops/>.

We also operate a laptop loan scheme for students who cannot afford a suitable laptop (see same address).

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Please note: This handbook is for information only and is correct at time of compilation. However, processes and procedures may change throughout the academic year. Please contact the relevant websites and Administrative Offices for up to date information.

Section 1: Programme Descriptions

Postgraduate Diploma in Cloud Computing & Software Development

The Postgraduate Diploma in Cloud Computing and Software Development provides the skills required in the digital age and has been designed to meet the challenges of reskilling and upskilling in a modern economy. Industry demand for graduates with cloud computing and software development skills is at an all-time high. This course provides flexible delivery options to meet this need. It has been designed in consultation with start-up enterprises, SMEs and large multinationals to give you the expertise and knowledge required to progress your career.

Course Content:

This is a two-year part-time Springboard + online programme with awards of 60 ECTS in total. This course provides:

- A solid foundation in key computing knowledge, including extensive experience with programming languages such as, Java, Java Enterprise, JavaScript (NodeJS) all at the level expected by industry.
- A specialisation in cloud computing, enabling you to build critical knowledge of cloud application development, as well as cloud infrastructures and platforms such as Firebase and AWS.
- A structure for industry collaboration, which allows industry to influence the development and training of participants, through an upgraded 8-month internship programme.

This programme has been carefully designed in conjunction with 12 industry partners to meet the demands of the sector including, SAP, Channel Mechanics, Schneider Electric, Segotia and Alvaria, Avaya, Cisco, Sidero, The Marine Institute, Insight and CMS Distribution.

Work placement in industry or a group project takes place in semester two of year two. Thus after 18 months of course work, students can be working full-time in a software development role.

Section 2: General Information

2.1 Academic Calendars 2025-2026

The Academic Calendars are available on:

<https://www.universityofgalway.ie/registry/academic-term-dates/#d.en.186426>

Academic Year 2025-2026	
Semester 1	
Start of Teaching (UG years (excluding Year 1) and Postgraduate Taught programmes)	Monday 8 th September 2025
End of Teaching all years	Friday 28 th November 2025
Study Week (All Years, UG & PGT)	Monday 1 st December - Friday 5 th December 2025
Semester 1 Exams	Monday 8 th December – Friday 19 th December 2025
Semester 2	
Teaching (All Years, UG & PGT)	Monday 12 th January – Thursday 2 nd April 2026
Easter	Good Friday 3rd April – Easter Monday 6th April 2026
Field Trips	Tuesday 7 th April – Friday 10 th April 2026
Study Week (All Years, UG & PGT)	Monday 13 th April – Friday 17 th April 2026
Semester 2 Exams	Tuesday 21 st April – Friday 8 th May 2026
Autumn Repeat Exams	Tuesday 4 th August - Friday 14 th August 2026
Easter Holidays: Good Friday 3rd April to Easter Monday 6th April 2026	
Bank Holidays: Monday 27th October 2025 / Monday 2nd February 2026 / Tuesday 17th March 2026 / Monday 4th May 2026 / Monday 1st June 2026 / Monday 3rd August 2026	

2.2 Key Contact Details

Programme Director

Programme	Programme Director	Room	E-mail
PG Dip in Cloud Computing & Software Development	Dr. Owen Molloy	CSB-3032	Owen.molloy@universityofgalway.ie

Administrative and Technical Staff

Administrative Staff		Room	E-mail
Ms Gail Cassidy	Programme Administrator	-	ICTskills@universityofgalway.ie
IT Technical Staff			
Mr Peter O’Kane	Chief Technical Officer	CSB-3038	Peter.okane@universityofgalway.ie
Mr Joe O’Connell	Senior Technical Officer	CSB-3037	Joe.oconnell@universityofgalway.ie
Mr Pearse Carroll	Senior Technical Officer	CSB-3037	pearse.carroll@universityofgalway.ie

The School of Computer Science is located in the Computer Science (CS) Building, Floor 3
For directions to the CS Building please click (Ctrl+Click) [here](#)

Student Registry Help Desk

The Student Registry Help Desk provides the following services:

- Admissions, Registration, Exams and Conferring queries
- Prospectus pick up
- Replacement ID Cards
- Exam Transcript requests
- Course Withdrawal / Leave of Absence
- Validation and Stamping of Forms e.g. social welfare, medical card application
- Change of Name/ Change of Address requests
- Registration and Statements
- Employment and verification requests

Student Registry Help Desk: Location: Ground floor, Áras Uí Chathail, which is situated on the main campus. Tel: (091) 495999 / askregistry@universityofgalway.ie

Registered Students can visit the Front Desk service which is open Monday to Friday 9:30am-12:30pm & 1:30pm-4:00pm. Web link for further details as follows:

<https://www.universityofgalway.ie/student-registry-helpdesk/>

Useful Contact Numbers (<http://www.universityofgalway.ie/about-us/contact-us/>)

Student Registry Help Desk	(091) 495999
ISS Help Desk	(091) 495777
Admissions Office	(091) 495999
Accommodation & Welfare Office	(091) 493540
Disability Support Service	(091) 492813
Fees Office	(091) 492386
Health & Safety Office	(091) 492678
Campus Security / Emergency	(091) 493333
Student Counselling	(091) 492484
Student Health Unit	(091) 492604
Students Union Shop	(091) 492411
General Emergency	999 / 112
Local Garda Station	(091) 538 000
Hospital (UGH)	(091) 524222
Samaritans	116 123 (freephone 24/7)

Student Support

For a summary of supports and services available to College of Science & Engineering students please click (Ctrl+Click) [here](#)

College of Science & Engineering Student Support Officer

Kelly Moore is the Student Support Officer in the College of Science & Engineering, and provides support for students during their time at university. The role of the Student Support Officer is to provide confidential, non-judgmental support and an empathetic space for students to share their concerns. In addition, the Student Support Officer can offer personal support and advice on topics such as study planning, time management and any personal challenges that may compromise your ability to study. For further details please visit the following web link: [COSE Student Support Officer - University of Galway](#)

Student Support Officer: studentsupportcse@universityofgalway.ie

2.3 Registration

Online registration opens on **19th August** for postgraduate taught students. Details of relevant dates can be found on: [Continuing Students - University of Galway](#). Students will receive an email from Registration before online registration opens inviting students to register online. Students should register as soon as possible for their programme and activate their University of Galway campus account (*see point 2.4 below*). Further registration details can be found on: <https://www.universityofgalway.ie/registration/>.

2.4 Activating your University of Galway Campus Account

New students will receive a welcome email from ISS "*Activating your new University of Galway campus account*" which will be sent to a student's personal email address (as listed in your application) following registration. You must activate your Campus Account before you can register for your course. If you haven't received your MFA email, please email servicedesk@universityofgalway.ie

This email will provide students with a **University of Galway email address** and a **temporary activation password**. It also describes the steps new students need to take to activate their new University of Galway campus account. Immediately after activation, log in to your new University of Galway email. A campus account will allow students to access [many important services](#) during their time at University of Galway.

For new students, further details on the steps to follow to activate a new student campus account can be found here: <https://www.universityofgalway.ie/information-solutions-services/studentrecordssystem/studentaccess/newstudents/>

For existing students, please follow the steps outlined in the following link:

<https://www.universityofgalway.ie/information-solutions-services/studentrecordssystem/studentaccess/existingstudents/>

2.5 Fees

Participation on a Springboard-funded course entails that students are obliged to undertake formal registration via their Springboard+ account in each semester when Springboard/HEA open that facility on their website. This applies to all students on this programme, irrespective of whether they initially applied via Springboard as either employed, unemployed, or returner applicants.

Funding to be paid to the University by the HEA under Springboard+ is strictly contingent upon **all** students registering on the Springboard website in each semester when prompted to do so in each academic year; this confirms to the HEA that the students are actively engaged in the course at the time of each registration in each semester, which then allows the HEA to release the corresponding fees payment tranche to the University under the contract of the Springboard+ scheme.

The HEA won't pay any fees to the University for any student who does not login to their Springboard account then register there when prompted in each semester.

Under the Springboard+ scheme, employed students are funded 90% by the HEA and then must pay the remaining 10% balance of course fees themselves. The University's Fees Office maintain that those 10% balances should ideally be paid in full by 31st October (the campus-wide semester 1 fees payment deadline) and certainly no later than 31st January (the campus-wide deadline for full payment of all outstanding course fees).

The potential implications of not complying with both the HEA's registration requirements under Springboard+ and/or the Fees Office's designated payment deadlines (i.e. for employed students who must pay 10% of the course fees themselves) include liability for up to 100% of all course fees due for the academic year in question plus possible sanctions such as additional late payment penalties, withholding of formal programme results (i.e. transcripts), or exclusion from graduation, in accordance with the University's fees policies outlined in the following links:

- <https://www.universityofgalway.ie/student-fees/regulations/>
- https://www.universityofgalway.ie/media/fees/files/QA307-Student-Fee-Liability-and-Sanctions-for-late_non-payment.pdf

Without exception, **all** students on this programme are required to complete the registration processes on Springboard's platform within the set timeframe in each semester to ensure their continued participation on the programme. Students are strongly urged to heed the

Springboard registration timeframes for each semester when advised of same via Canvas announcement by the programme administrator.

Failure to comply with this Springboard+ requirement **will** result in 100% course fees liability reverting to the individual student themselves:

- https://www.universityofgalway.ie/media/fees/files/QA307-Student-Fee-Liability-and-Sanctions-for-late_non-payment.pdf (screenshot below):



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Polasáí agus Nósanna Imeachta/Policies and Procedures

Code	QA307
Title	Student Fee Liability and Sanctions for Late or Non-Payment of Fees
Policy Owner	Director Financial Accounting
Date	18 th December 2024
Approved By	Údarás na hOllscoile

1.0 Purpose

This policy sets out a student's fee liability, payment options, and sanctions for late payment, or non-payment of fees. Information regarding these matters is available at the University's website <https://www.universityofgalway.ie/fees/>.

2.0 Description

- Students are **liable** for **all elements** of the fee as follows:
 - the Student Contribution¹ the Tuition Fee and the Student Levy² at the time of registration,
 - late payment fees, if applicable, when billed/notified by the University,
 - repeat examination fees, if applicable, when billed/notified by the University.
- All EU students and continuing Non-EU students may pay their fees in two instalments, 50% by the 31st of October ³ and 50% by the 31st of January⁴.
- First-Time Non-EU students are required to pay 50% of their fees **prior** to registration⁵.
- Where a student is experiencing financial difficulty/hardship they may apply to the Financial Aid Fund⁶ for review. Alternative payment arrangements may be agreed where appropriate.

2.1 Approach

- When a student registers they have online access to their accounts where they can see what fees are due.
- In the event where a funding authority (e.g. SUSI or HEA) does not pay the fee on behalf of the student, the student is liable to pay the fee.
- The Fees Office will actively pursue payments throughout the academic year.
- The University reserves the right to have a third party conduct the collection of fees on behalf of the University.
- In line with the express provisions of the Student Data Usage Policy, the University may seek to make contact with the student in relation to any fee and registration issues using their home

The best way for any student on any Springboard+ programme to prevent themselves being held personally liable for 100% of their course fees is to immediately comply with the

Springboard registration timeframes in each semester, per the notifications that are issued via Canvas by the programme administrator.

The Springboard registration process for each semester involves four simple steps:

1. Log in to your account on the Springboard website.
2. Access your Applications list by clicking on your Username in the top right-hand side of the screen - you will see a drop-down menu. There you will see your Applications.
3. Click "Register" or "Re-register" (as applicable) for the programme in question.
4. Confirm Registration or Re-registration (as applicable) by clicking on "OK".

--> Then the screen refreshes showing confirmed status.

As a reminder, the HEA deliberately block access to the Springboard website by anyone who is (a) outside the Republic of Ireland or who is (b) using a VPN.

Completing these registrations on the Springboard website when prompted to do so allows the HEA to make payments to the course provider and thus removes liability for payment of outstanding course fees from the individual student.

- **How do I pay to the University the 10% course fees due from me as an employed participant under the Springboard+ scheme?**
 - [Pay fees - University of Galway](https://www.universityofgalway.ie/student-fees/pay-fees/?_gl=1*6itxtb*_gcl_au*MTIyMDMwNjg2NS4xNzUwMTQ1MTY0)https://www.universityofgalway.ie/student-fees/pay-fees/?_gl=1*6itxtb*_gcl_au*MTIyMDMwNjg2NS4xNzUwMTQ1MTY0
- **How do I contact the Fees Office?**
 - <https://www.universityofgalway.ie/student-fees/contact/>

2.6 Leave of Absence

<https://www.universityofgalway.ie/student-registry-helpdesk/leave-of-absence/>

Springboard/HEA view any cessation of studies as the student not completing the programme in question and thereby forfeiting their Springboard-funded opportunity once and for all; they do not allow anyone to resume a funded place (i.e. with funding from Springboard still in place) following a break from their studies. If a student exits their programme and thus also exits Springboard funding for that academic year, liability for full course fees will revert to that individual student in the event they later decide to return and complete their programme in a future academic year (assuming the programme is still running at that time, which cannot be guaranteed).

2.7 Course Withdrawal

<https://www.universityofgalway.ie/student-registry-helpdesk/our-services/coursewithdrawal/>

If you find you must withdraw from the programme, please ensure you complete the University's online withdrawal form no later than 31st October to ensure you leave with no impact on fees – link as follows:

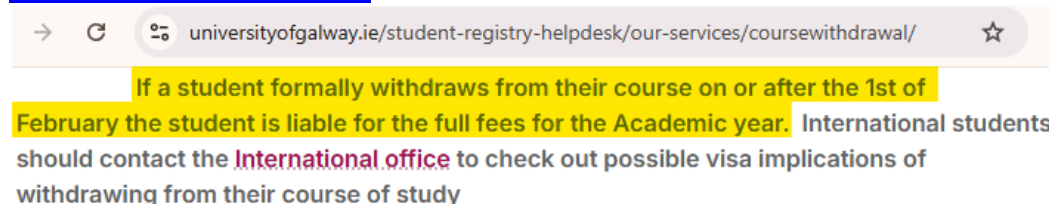
- Postgraduate Students (Taught) [online course withdrawal form](#)

Please note: <https://www.universityofgalway.ie/student-registry-helpdesk/our-services/coursewithdrawal/> “Students remain liable for fees up until the date on which they formally submit a withdrawal form online.”

The withdrawal guidelines also recommend that students should contact the relevant staff member for their College/School; for students on programmes run by the School of Computer Science the staff member to contact is the College of Science & Engineering’s Student Support Officer **Kelly Moore** <https://www.universityofgalway.ie/cosestudentadvisor/>. We recommend that you reach out to Kelly for advice and support as soon as possible.

Once the formal withdrawal has been processed on the University's systems, we will then update your status on Springboard's records to note for *them* that you have formally withdrawn from the programme via the University’s records. Students who have formally withdrawn should also contact Springboard directly via springboard@hea.ie to advise them of their formal withdrawal from the programme as well.

Please note: <https://www.universityofgalway.ie/student-registry-helpdesk/our-services/coursewithdrawal/>



If you decide to withdraw

- Undergraduate Students [online course withdrawal form](#) (Deactivated 1st March)
- Postgraduate Students (Taught) [online course withdrawal form](#) (Deactivated 1st March)

2.8 Student ID Cards

Students can collect their ID cards from the Student Registry Helpdesk, first floor, Áras Uí Chathail from the start of term: [ID Cards - University of Galway](#). Alternatively, students can request their ID card to be posted - please email registration@universityofgalway.ie, note your ID number in the correspondence. To ensure your ID card reaches your address, please ensure that your term and home address on your student profile are correct.

Note: There is a fine of €20 if you do not have your Student ID card for verification of identity and registration in the exam hall.

2.9 Parchment Digitary Services

Parchment Digitary Services is a trusted, secure cloud platform that helps University students from around the world to access and share their verified academic documents online. This

service will be used for **official documents requests** and letters from the [Student Registry Helpdesk](#) including: registration statements, course completion statement, transcript of results etc. Further details can be found at the following web link: [Parchment Digitary Services - University of Galway](#)

2.10 Maps

University of Galway Campus maps can be located on the University's website at: <https://www.universityofgalway.ie/buildings/maps/>

2.11 Examinations

Written exams take place on-campus at the end of the teaching semesters (typically in December and April). This is an important aspect of the academic integrity of the course, which is necessary for employer confidence in the quality of our graduates.

All exams are scheduled and conducted by the University's Examinations Office and communication regarding all exams for your course will be provided by the Examinations Office.

Results are **no longer** posted to the candidate's home address, they are now made available through the [Parchment Delivery Service](#). These results will also be available on-line (following Semester 2 examinations)**. All other results will be available online only (following Semester 2 examinations).

Further copies of result transcripts can be obtained from the [Student Registry Helpdesk](#). Click on the link for info on how to [register an address change](#). Please note you must allow 2 weeks for your change of address request to be processed.

** Some postgraduate results are not available online - check [here](#) (Examination Results Inquiry) for a full listing of course instances available online.

Results

Results will **NOT** be given on the telephone to candidates, or to anyone acting on their behalf. Official Exam results release dates are available from the following Exams Office web link: <https://www.universityofgalway.ie/exams/results/>

Examination Timetables

Examination timetables may be viewed on the University of Galway web page at the following address: <https://www.universityofgalway.ie/exams/timetable-advice/examtimetable/>. Students personalised timetables will be available on the above link on a date to be advised by the Exams Office.

Timetables will NOT be posted to students.

Please be advised:

- Check the Amendments web page OFTEN as changes may occur up to day of exam.
- Revisions to timetables will be published only online.
- Revisions to timetables will not be posted to individuals or appear on personal timetables.

Repeat, Appeals and Re-checks

Where a repeat exam sitting is available for your course and if you fail the first sitting of a formal written examination, you are automatically listed to sit the repeat exam at the second sitting e.g. if you fail a Semester 2 Summer exam, you are automatically listed to sit the repeat exam in the Autumn. If you fail an exam/module which was not a formal written examination (e.g. essay, project, continuous assessment), please contact your Programme Director to discuss your options.

Springboard will not cover any repeat fees (either for individual repeat exams or for repeating an entire academic year) for any student under any circumstances, as that is wholly a matter between the student and the University and has nothing to do with Springboard.

All students who must repeat an exam (because of having failed it at the first sitting) can be charged a repeat exam fee by the University's Examinations Office at the second sitting, which is payable by the student themselves - see link for further details: [Repeat Fee - University of Galway](#)

Please be advised that all repeat exams are capped at 40% in accordance with University policy: <https://www.universityofgalway.ie/exams/results/repeat-capping/>.

Note: Approved *deferred* exams are not capped.

Strict deadlines apply for appeals and re-checks and completed online application forms must be submitted to the Examinations Office by the relevant deadlines as detailed on the website links as follows: <https://www.universityofgalway.ie/exams/results/appeals/> and <https://www.universityofgalway.ie/exams/results/rechecks/>. A fee must be lodged with both the Appeal and Re-check Forms. Fees are refunded if the outcome is positive. Further detailed information is provided in the above links.

Exam Board Sitzings

The examination boards sit in June, September and October where relevant examination, project and theses grades will be processed by the College of Science and Engineering.

Deferral of Exams

A guide for exam deferrals is available at: <https://www.universityofgalway.ie/exams/timetable-advice/deferrals/>. This guide is to assist students with the process and provides a direct link to the College of Science & Engineering's online specific Deferral Form.

2.12 Student Services

Coming to University is a major milestone in your life and a point of changeover in your life. You are facing into some challenges and many opportunities. You will encounter the enjoyment and challenges of independence and decision-making and responsibility for your own well-being and lifestyle.

Student Services is a team that are core to the personal and academic development of students. Student Services is under the management of the Vice President for the Student Experience. Student Services is committed to enhancing the individual student experience by providing an excellent service which supports the holistic development of the person, thereby enabling each student to achieve their full academic potential. Through valuing, recognising and supporting each staff member and by forging strong alliances within the University Community, Student Services will assist University of Galway to become a truly Student Centred University.

Student Services provides many services as follows:

- Access Centre; Career Development Centre; Student Societies; Welfare and Wellbeing.

Further detailed information and contact details on all the Student Services offered by University of Galway may be found at: <https://www.universityofgalway.ie/student-services/>.

2.13 Student Counselling

The counselling service is part of a network of support services offered by University of Galway. It provides professional counselling, which is **free** and **confidential** to all students of University of Galway. Life as a student is exciting and challenging, an achievement usually gained after much hard work and preparation. It can also be stressful at times. You may find you are experiencing personal difficulties which are affecting your ability to study and to take full advantage of the opportunities available to you at University of Galway. This is where student counselling can help. Student counselling is a team of qualified and experienced counsellors and psychotherapists. The service operates within the Code of Ethics and Practice agreed by their respective accrediting bodies including IACP, IAHIP and PSI. The services provided include:

- Pre-counselling assessment, individual counselling and psychotherapy
- Group work
- Information and referral

- A consultation service for those who may have concerns about a student.

Further information including available online services and emergency contact details can be located on the following weblink: <https://www.universityofgalway.ie/counsellors/>

Counselling Services: Location: No. 5 Distillery Road, University of Galway

Direct Tel: (091) 492484 ext. 2484

E-mail: counselling@universityofgalway.ie

2.14 Computer Science Account and Swipe Card Access to Labs

The School of Computer Science has several undergraduate and postgraduate rooms which are available for use by our students. The rooms have hot swap desks, with laptop docking stations allowing use of external monitor, keyboard, mouse and the high-speed network.

Students must provide their own laptops <https://www.universityofgalway.ie/science-engineering/school-of-computer-science/currentstudents/laptops/>. All students who are taking a module/course with the School of Computer Science are entitled to use the open access labs in the CS Building outside of scheduled timetable use (Note: CSB-G001 is available to all University of Galway students using main University of Galway account). Depending on their course, they may also have swipe card access to further project rooms in the CS Building.

Computer Science students are also given access to print on our shared printers, and to use our web and database servers which can be used for course or project work. To gain access to these resources, students will be given Computer Science accounts automatically after a student registers for one of our modules/courses, and students will receive an email to their University of Galway email to indicate the account is ready for use. The initial password is included in the email. Students can login to our intranet to setup the web/database/linux resources <https://web1.cs.universityofgalway.ie/intranet/>

Students who have issues with their Computer Science computer account, docking stations, monitors or swipe card access in the Computer Science Building should log a call to Computer Science Technical Officers at: support@cs.universityofgalway.ie. Useful links for further related info: <https://www.universityofgalway.ie/science-engineering/school-of-computer-science/currentstudents/>.

Students who have issues with their main University of Galway account, Wi-Fi, Canvas, personal laptops or any PC/printer on the rest of campus should refer to the University of Galway helpdesk: <https://www.universityofgalway.ie/information-solutions-services/services-for-students/>.

2.15 DISC - Computer Programming Drop-In Support Centre

Computer DISC is a Computer Programming Drop-In Support Centre for all University of Galway students who are taking any programming/software development courses. The DISC is a free service that supports all students with their self-directed learning in computing topics at all years and levels in University of Galway. The centre is located in Room CSB-1001 on 1st floor of the Computer Science (CS) Building.

What services does Computer DISC provide to students?

- Facilities for students to sit and work on programming problems
- One-to-one advice and support for students, and focused small group tutorials
- Books, courseware, web links, and other learning resources for programming students
- A website with information and an email service for all queries
- Advice for students who wish to learn new programming languages autonomously
- Assistance with new technologies for project work such as Final Year Projects.

DISC Website: <https://www.universityofgalway.ie/science-engineering/school-of-computer-science/currentstudents/computerdisc/>

2.16 Canvas

Canvas is the Virtual Learning Environment (VLE) at University of Galway. Canvas is a modern, user-friendly VLE that allows students to access learning materials, reading lists, assessment information and other course-related content.

<https://universityofgalway.instructure.com/>

When a student registers for a course or module with the University of Galway, they are automatically enrolled on the corresponding course on Canvas. Enrolments are recognised by Canvas within 24 hours of registration. If students have problems accessing Canvas, they should contact the Library and IT Service Desk. The Service Desk can assist students with queries regarding problems with their password, e-mail account or logging in to Canvas.

If students are unable to see courses when they log into Canvas, they will need to check their registration statement to ensure they are correctly registered. Within Canvas, University of Galway students have access to 24x7x365 support via the Help menu. This Canvas support team can answer most queries related to the Canvas environment including how to submit assignments, how to see the gradebook, and where to access course materials. They also provide advice on how Canvas features can be used.

2.17 Plagiarism

Plagiarism refers to copying another author's work without due reference or acknowledgement of the author. Plagiarism is not acceptable. It is essential that the candidate acknowledge other

people's work, when used by the student. The submitted work must be prepared by the candidate alone, and must be the result of the candidate's own effort, skills and knowledge. It is unacceptable for candidates to knowingly permit others to copy their work. University of Galway has a strict code of practice for dealing with plagiarism, please refer to the following link for further details: <https://www.universityofgalway.ie/plagiarism/>.

2.18 Information Solutions and Services (ISS)

ISS aim to provide students with access to the ICT facilities which they need to succeed in their studies at University of Galway. These facilities include high speed Internet access, a University of Galway email account, access to the resources of the James Hardiman Library and assist with accessing Canvas, the virtual learning environment. These services are accessible from the on-campus PC suites and from suitably equipped laptops using the on-campus wireless network.

A Campus Account (CASS) provides students access using a single User ID and Password to all computing services, other than email. To activate your Campus Account (*see paragraph 2.4 above*), students should follow the instructions as outlined in the following weblink:

<https://www.universityofgalway.ie/information-solutions-services/studentrecordssystem/studentaccess/>.

ISS Service Desk: Location: Ground floor of the James Hardiman Library

E-mail address: servicedesk@universityofgalway.ie

Direct Phone: (091) 495777 or the Library & I.T. Service Desk: (091) 493399

2.19 Career Development Centre

As part of the Postgraduate Diploma in Cloud Computing and Software Development's work placement/internship module CT5179 (Year 2, Semester 2), Aisling O'Hara, Placement Officer with the Career Development Centre - placement@universityofgalway.ie - will liaise with students on the process involved to secure placements etc.

The Career Development Centre provides students of University of Galway with a quality career guidance and information service focused on facilitating and empowering students to manage their own career development and empowering students to make successful transitions towards fulfilling careers. Details of the services provided to students by the Career Development Centre include:

Guiding students in their career journey through:

- One-to-one career guidance
- Career seminars and events
- Psychometric testing
- Dedicated careers information hub for students (on-campus and virtual)

- Self-guided modules

Connecting students with employers through:

- Jobs fairs and employer events
- Job vacancy system
- Networking opportunities

Helping students to compete in the jobs market to the best of their ability through:

- CV workshops, e-learning, and unlimited AI feedback
- Interview skills workshops, e-learning, and software to practice and improve
- Applications advice: including Postgraduate and Job Applications
- Employment skills workshops and employability award

Further information on the range of services provided by the Careers Development Centre can be found at: <https://www.universityofgalway.ie/career-development-centre/>.

Career Development Centre: Location: Arts/Science Building (1st Floor)

Tel: (091) 493589

2.20 Out of Hours Working

Out of hours work refers to all University operations conducted outside normal hours.

For up to date details on the University's Safety Statement Policy and Out of Hours Working, please click on the following web link: [University of Galway Safety Statement](#).

2.21 Parking on Campus

Parking spaces in University of Galway fall into a number of categories:

- Staff Only; Student Only; Shared use (staff & student permit holders); Visitor/non-permit holder; Pay-and-display/Pay by Phone (P&D) spaces; "Reserved" spaces and loading bays.

Student parking permits are available for registered students, details as below.

To purchase/renew your Student Parking Permit carefully read the instructions contained in the following guide [Parking Permit Application Guide](#) then visit the [Online Payment System](#) to book your permit.

If you park in a "Pay and Display" space, you must buy a ticket from the nearby machines or use the Pay by Phone option and display your ticket on your dashboard face up, regardless of what other type of permit you might have. If you buy a P&D ticket you can only park in spaces marked with blue lines and text ("P&D/í&T").

A park and ride service operates from Dangan car park. Further information and timetable details are available from: [Parking & Transport - University of Galway](#)

Parking at University of Galway is operated by APCOA Ireland. If you have a parking related query, please contact: Ireland.permits@apcoa.ie or telephone: 0818 462899.

2.22 Library

The Student ID card also acts as a Library card. Students must have a current Student ID card in order to gain entrance to the Library. Details on the services provided by the library are available at: [About - University of Galway](#). The Library and IT Service Desk is located on the ground floor of the library and provides advice and support to students on both Library and IT services (e.g., User ID/passwords, book loans, printing Wifi access).

2.23 Module Descriptions and Assessments

Year 2

CCS1	Modules	Year 2 (30 Credits)	
Core	CT5171: Cloud DevOps	Semester 1	Credits: 5
Core	CT5176: Databases	Semester 1	Credits: 5
Core	CT5178: Computing Architecture & Operating Systems	Semester 1	Credits: 5
Core	CT5179: Internship or Capstone Cloud Computing Group Project	Semester 2	Credits: 15

CT5171: Cloud DevOps

DevOps is a methodology which includes Development (Dev) and Operations (Ops) in order to increase the speed, efficiency and security of software development. It comprises a range of tools and practices for automating much of the development lifecycle. These include continuous integration/delivery, test automation, integration of version control, build pipelines, security concerns. Upon completion the student will understand how to develop software within this methodology and gain exposure to the tools and practices that are used in modern day industry software development.

Assessment: First Sitting: Written Paper 70%, Continuous Assessment 30%
Second Sitting: Written Paper 100%

CT5176: Databases

This module will provide the student with the information and technical know-how to establish, manage and optimally use databases. This is a relational databases module where MySQL will be the core database technology used. Typical database concepts such as Tables, Queries, Keys,

Normalisation, Joins etc. will be covered. This will be essential information for those interested in Clinical Research administration or data science.

Assessment: First Sitting: Written Paper 70%, Project 30%
Second Sitting: Written Paper 100%

CT5178: Computing Architecture & Operating Systems

This module explores basic organisation and types of computer systems. Important processor architectures. Outlines the basic structure and operation of microprocessors. Key features and operations of digital circuits and memory systems. Input/output operations and components. Understand and describe the purpose, organisation and main features of an operating system. Research the main requirements and operations of operating systems. Foundational process management (including scheduling and concurrency) Understand memory-, file system-, storage- and I/O device-management. Learn basic security requirements in the context of operating systems.

Assessment: First Sitting: Written Paper 60%, Continuous Assessment 40%
Second Sitting: Written Paper 100%

CT5179: Internship or Capstone Cloud Computing Group Project

For this module students will undertake either an 8 months internship (Jan to Aug) with an industry partner or a large capstone group project. Recognition is also given for specific company training and/or certification. The internship is evaluated through weekly learning journals and completion reports, including a written report, presentation and industry supervisor appraisal. Each group project team is assigned an academic supervisor, and is assessed through a number of deliverables during the project, as well as a final presentation / demonstration and written report. The module is compulsory and must be passed to pass the programme.

Assessment: First Sitting: Continuous Assessment 100%