

GRIFFITH COLLEGE

BSc (Hons) in Computing Science

SO YOU WANT
TO HAVE



a career in IT



BSc (Hons) in Computing Science

Course Description

This exciting Honours Bachelors Degree teaches students about the latest technological developments, and enables them to gain practical work experience, and specialise in emerging IT areas.

In Year 3, learners complete a **6-month work placement** in the computing industry. It significantly increases your attractiveness to potential employers, on graduation.



Why study Computing Science at Griffith College?

- **Fantastic job placement record. 100% employment rate***. Recent graduates have been employed by Amazon, Indeed, Intercom, Vodafone and DAA.
- **Specialise in one of four key emerging areas:** Cloud Computing, Games Development, Network Management and Software Development.
- **6-month Industry Work Placement.**
- **Accelerated programme available** in Griffith College Cork (See details on Page 3).



Programming languages you will learn

YEAR 1: Java, HTML, CSS, Javascript

YEAR 2: Java, PHP

YEAR 3: Java

YEAR 4: Java, C-Sharp, Python, Ruby

**2017 student survey*



COURSE CONTENT

Year 1

- Foundations of Computing
- Computer Programming
- Client-Side Web Development
- Computer Hardware
- Effective Learning and Development
- Systems Analysis & Design 1
- Operating System Design
- Software Development 1

Year 2

- Object Orientated Programming
- System Analysis & Design 2
- Relational Databases
- Probability and Statistics
- Data Structures and Algorithms
- Software Development 2
- Server-side Web Development
- Linear Algebra

Year 3

- Network & Data Communications
- HCI & GUI Programming
- Concurrent Development
- Numerical Optimisation
- **6-month Work Placement**

Year 4

- Advanced Network Theory
- Distributed Systems
- Mobile Development
- Software Development Project

Electives

- Cloud Services & Platforms
- Games Development
- Artificial Intelligence & Robotics
- Data Analytics & Visualisation
- Cyber Security & Ethical Hacking
- Emerging Technologies
- Machine Learning
- Internet of Things & Sensor Systems
- ...

FACULTY OF COMPUTING SCIENCE



Undergraduate Programmes

Title	Level	Duration*	Intake/Location*
BSc (HONS) in Computing Science	8	4 years	D C C
Streams: SW Development, Games Development, Network Management, Cloud Computing			
BSc (ORD) in Computing Science	7	3 years	D C C

6 months internship with additional Griffith College Bursary in Year 3 of programme
 *Where Spring start available programme shortened by 6 months

Postgraduate Programmes

Title	Level	Duration*	Intake/Location*
MSc in Computing Science	9	1 year	D D
MSc in Big Data Management and Analytics	9	1 year	D D
Msc in Network and Information Security	9	1 year	L L

*Where Spring start available programme lengthened by 6 months

Higher Diploma

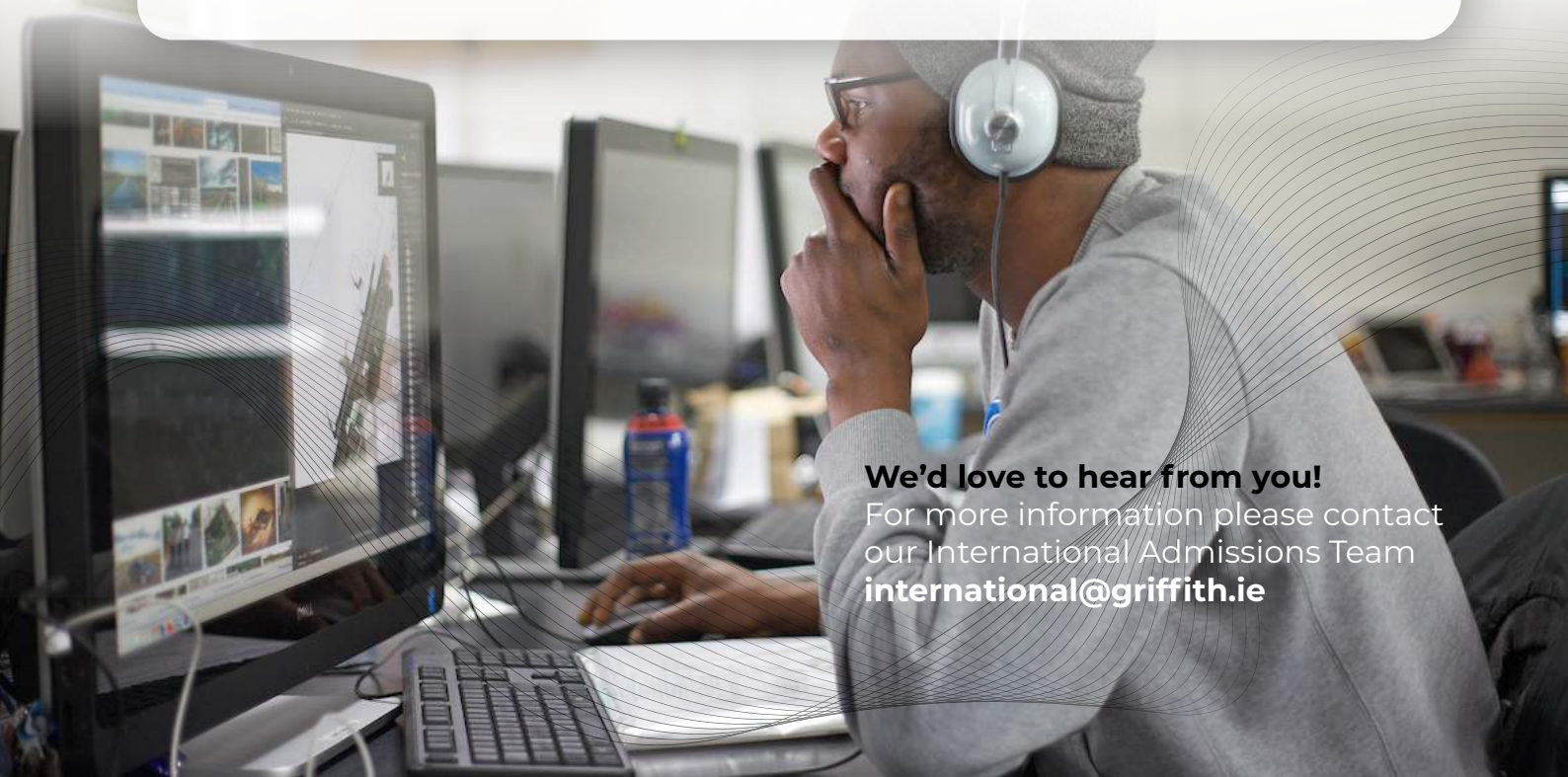
Title	Level	Duration*	Intake/Location*
Higher Diploma in Computing	8	1 year	D D

All Computing degrees considered for masters entry.
 Students with non computing background may take Higher Diploma in Computing as stand alone programme or for bridging to masters in computing.

● September Intake
● Spring Intake
D Dublin Campus

● Spring Intake
C Cork Campus

L Limerick Campus



We'd love to hear from you!

For more information please contact our International Admissions Team
international@griffith.ie