

"The goal of Immersive Software Engineering is to turn curious, creative people like you into the best software engineers in the world." J.J. Collins, ISE Course Director.

[ISE]

Immersive Software Engineering
LM173

Residency Partner Brochure



Department of
Computer Science and
Information Systems



DOES YOUR COMPANY WANT TO HIRE THE BEST SOFTWARE GRADUATES IN THE WORLD?

SOFTWARE TODAY

Technology permeates every aspect of our lives, playing a crucial role in education, communication (including social media), and entertainment (such as video streaming and gaming). Yet, we often overlook the pivotal role that software plays.

Lots of people imagine software engineers sitting alone at a computer. But the truth is it's a very social activity, software engineers always work in teams. The industry is also becoming more diverse with a better gender balance. Some of the most modern creative thinkers are working in the software industry and affecting every facet of your life, from how you communicate, to how you order your food and clothing, to how you hail a taxi, to how you pay a bill or send money to your friends.

It is often taken for granted that we use software in many aspects of our daily lives and people frequently fail to see its value. As the world gets smaller and technology advances there will be more and more demand for software engineers. Moreover, software engineers who are creative, who can shape the future, and who have learned from and worked with the best companies in the world. ISE students will hit the ground running.



THE UNIVERSITY OF LIMERICK
HAS DESIGNED A NEW WAY TO
LEARN SOFTWARE ENGINEERING



What is different about Immersive Software Engineering?

The Immersive Software Engineering course at the University of Limerick is unique because our students learn from industry experts from the beginning. ISE students go on five paid residencies over their time with ISE. What exactly is a residency? It is a 3 to 6-month placement where students work on real-world tasks with our partner companies, working in teams and learning from top industry experts.

In total, students will spend two years learning from experts at top companies. These companies are at the forefront of the software industry, constantly striving to remain at the cutting edge of technological advancements. This method of immersive learning means ISE students can earn a Masters in less than four years. Outside of residencies, students spend their academic time with brilliant researchers and lecturers. They take all of their classes in a purpose-built studio on the university's award-winning campus.



ISE is for anyone creative and who wants to make a difference. ISE values creativity as a core attribute in our students. For this reason, ISE has added an Entrance Submission as an entry requirement worth an additional 200 Leaving Cert. points, that allows potential students to demonstrate their creativity, passion and potential.

As a new course, ISE started with an initial cohort of 25 students which will grow significantly over the coming years creating more places as we move forward. As we continue to grow more and more companies are coming on board as residency partners. Partner companies mentor and guide our exceptional students, and network with fellow visionaries in support of the ISE residency programme.

If your company would like to be part of the ISE programme please contact us.

"Software engineering is a wonderful career. Immersive Software Engineering gets students writing code in the real world as quickly as possible, so they're ready to join today's leading companies or start Ireland's next breakout start-up." John Collison, Entrepreneur, and co-founder of Stripe.

"Studying software engineering gives you the freedom to follow your passions and put your creativity to work. If I had the choice at the time, Immersive Software Engineering would have been a dream course for me." Sarah Sharkey, software engineer at Stripe.







Tell me more about Immersive Software Engineering?

The Immersive Software Engineering course is a highly competitive four-year immersive undergraduate/postgraduate programme from which students graduate with a Masters degree in Software Engineering. We are actively driving a radical change in both what we teach and how we teach computer science. We are delivering a much more intensive student experience. We are achieving this fast-tracked graduation by using the summers and devoting every-other semester to residencies.

Residencies are designed so students learn in the same way as medical doctors do, by acquiring skills in real-world settings. Our students will learn at an accelerated pace during their time at UL in team-taught blocks in a bespoke studio setting.

The focus is on project-driven, peer-based learning with input from companies at all times. Evaluation works on a continuous assessment model with no major final exams. Students will spend up to 50% of their time in companies like yours. Some of our current partner companies include Stripe, Amazon, Intercom, and Analog Devices, as well as Irish start-ups and SMEs. We have venture capital firms as well as Enterprise Ireland and the IDA as part of our coalition of partners. We believe the course will prove very attractive to high-calibre students making the transition to third-level education.

We are confident ISE students will learn in the best way, with mentoring from both industry and academia, where they will be part of real, professional teams, solving real problems as a developer and problem solvers. Throughout their degree, students will alternate their time between on-campus learning blocks and residencies in partner companies like yours.



Who is this for?

Our value proposition is this: We will find and match the most creative and motivated students to innovative, research-active, high-potential companies in any industry, in Ireland and beyond. We are looking to add tech-reliant companies like yours to join our ever-growing list of industry partners so you can benefit from our exceptional students, while our students can learn from your expertise.

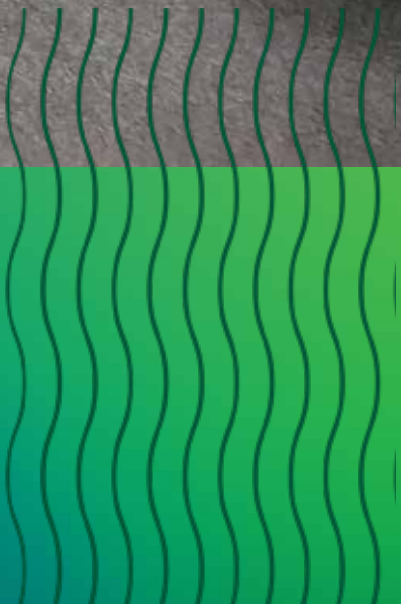
Why?

We want to change computer science education, first in Ireland, then in Europe and across the world. We want to validate a model of learning within the industry to set students up for the challenges they'll encounter in the real world. We want to construct a pipeline of talent from secondary school through to university and into practice.



■ 'ISE MAY BE THE BEST
COMPUTER SCIENCE
PROGRAMME IN EUROPE'

John Collison , co-founder of Stripe





WHY BECOME A PARTNER COMPANY

Join our ISE Partner Network today and unlock the benefits of connecting with exceptional students while networking with like-minded visionaries in support of the ISE Residency program.

By becoming a part of our partner network, you will have the opportunity to engage with the ISE team and actively participate in co-designing and shaping the residency experience for our students within your company. Our partner companies enjoy exclusive access to our highly skilled software engineering students throughout the four years of the ISE program through our residency initiative.

Collaborating with a diverse range of renowned companies worldwide enables us to expose our students to real-world industry challenges, foster their ability to work effectively in teams, and provide them with valuable hands-on experience.

The Immersive Software Engineering program is dedicated to producing a new generation of industry-ready engineers. Our students are equipped with the skills to tackle real problems from day one, demonstrating professionalism and a strong aptitude for teamwork.



LEARN BY DOING
WITH THE WORLD'S
TOP COMPANIES



PIONEERING UL

Since May 2022, the University of Limerick celebrates fifty significant years of learning and teaching, research with impact, enterprise and engagement.

Founded to meet the educational challenges of modern Ireland, the University of Limerick is proud of its five decades of achievement and success in promoting new types of inquiry and learning, in forming pioneering partnerships and knowledge exchange initiatives and in ensuring that our graduates are knowledgeable and engaged citizens who enrich the communities in which they study, live and work.

Today, over 118,000 of our alumni lead and shape business, culture and society worldwide. UL pioneered the concept of Cooperative Education in Ireland, placing more than 2,000 students in paid and semi-paid work placements annually. Once again UL has shown its ambition to lead the way of Immersive learning, where industry experts and leading educators can influence the people who will shake and shape tomorrow's world.



THE UNIVERSITY OF LIMERICK
HAS ALWAYS SHOWN ITS AMBITION
TO LEAD THE WAY WITH NEW
LEARNING METHODS FOR 5 DECADES





CAMPUS, CITY AND REGION

The University of Limerick campus is located on the banks of the River Shannon and enjoys an unspoiled natural environment blended with state-of-the-art teaching and research facilities. With close to 16,500 students, including more than 2,000 international students each year, UL is a young and enterprising university with a proud record of innovation in education and scholarship. A survey of Irish students recently voted UL Ireland's most popular university with a satisfaction rating of 85%. With strong links to business and industry, UL excels at translational research which aims to accelerate the practical application of academic research to benefit society.

Limerick was established in 922 AD and is now viewed as Ireland's cultural, artistic, and most recently, digital hub, as it hosts a wealth of industry players and innovators in the technology space. It is also a key contributor to theatre, literature, comedy and the visual arts. Limerick lies on the River Shannon in the centre of Ireland's Mid-West Region. The city is immersed in history, yet is becoming known as much for its dining scene and street art as it is for its castles, cathedrals and museums. Limerick is also part of a major EU funding initiative to become a 'smart city' in an effort to build a sustainable region where digital technologies improve quality of life, empower communities and enable economic growth.



Limerick City has taken a top spot on the FDI European Cities and Regions of the Future 2023. The city ranked first for FDI Strategy in the Micro European Cities of the Future category recognising the work being undertaken to attract foreign investment into the city. The awards are hosted by FDI magazine, an international news and foreign direct investment magazine published by FDI Intelligence, a specialist division of The Financial Times Ltd.

The awards benchmark European cities and regions according to their economic, financial, and business strengths. Limerick City was also named overall runner-up to Zug, Switzerland in its population category after ranking highly in a number of other areas. The city ranked second for Economic Potential and placed fourth for Business Friendliness and fourth for Human Capital and Lifestyle.

The FDI Special Report States: *“The city of Limerick in Ireland’s mid-west climbs to second place in this year’s micro-category rankings. Figures from FDI Markets show that in the five years to November 2022, it attracted FDI worth €1.57bn with the lion’s share going to biotech and medical device manufacturing.”*

Ireland’s third-most-populous city has a long history as a manufacturing hub and is home to the country’s Advanced Manufacturing Centre, which enables foreign and Irish firms to accelerate the adoption of digital technologies into their factory floors and supply chains. Mayor of Limerick City and County Councillor Francis Foley said: *“We all know that Limerick has a lot to offer but recognition like this is so important for boosting Limerick’s reputation internationally as an attractive place to do business. The FDI rankings are a recognition of the hard work being done by Limerick City and County Council, the IDA and Enterprise Ireland.”*

software-engineering.ie

Course code LM173



University of Limerick

IBC2 Studio
University of Limerick
Castletroy
Limerick
V94 Y985

ise@ul.ie
UL tel: 00 353 61 202700

#StudyAtUL

