



MSc Cloud Computing Research



What is the MSc Cloud Computing Research?

This research masters is an innovative programme of advanced research on a business-focused area of cloud computing. It runs full-time over one academic year or part-time over two. The programme can be taken online or on campus.

Participants choose and refine a cloud-based research topic on which to write a major research dissertation, closely supervised by faculty staff. The programme includes online instruction on how to do research.

Who does it suit?

Either graduates with an undergraduate degree containing a significant amount of information systems or technology management components, or persons with relevant experience in industry. If you're working in the technology sector you may already have an idea for your dissertation topic; if you're not, we are there to help define that topic.

The part-time mode may particularly suit people with existing work or other commitments who wish to acquire a Masters degree in the cloud space, and/or who may wish to align a research topic with an area of their work or particular interest.

Where can it take me?

The MSc degree seeks to produce high calibre and much sought-after internationally viable graduates.

What else should I know?

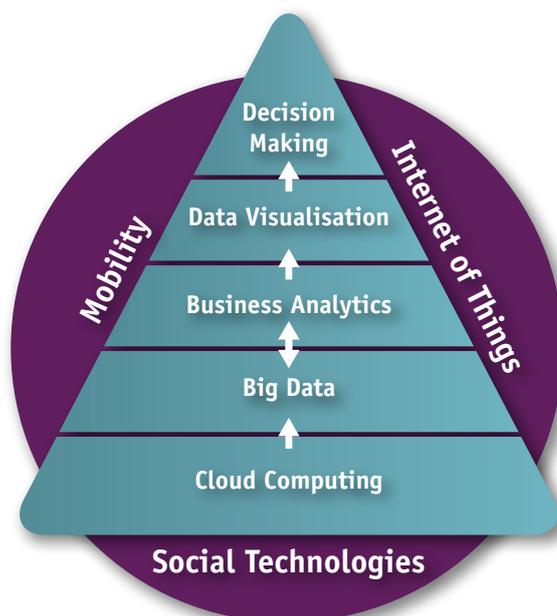
Pending finalisation, fees are €4275 for full-time, and €2250 for each year of the part-time mode. Non-EU fees are higher.

How do I apply?

Applications are made online via www.pac.ie as part of the offerings at NUI Galway. The PAC code for the full-time mode is GYD12, and part-time is GYD13.

Where can I find out more?

Visit <http://tinyurl.com/cloudcomputingresearch>, or contact the course director Dr. Tom Acton at +353 (0)91 493 806, email thomas.acton@nuigalway.ie



What is Cloud Computing?

Cloud computing allows businesses and individuals to use software and access data and services on service providers' remote computers, usually connecting over the internet, and typically using a web browser or mobile application.

Identified by the Government, Forfás and the IDA as one of the best potential high-value growth areas for Ireland, and a vehicle for future jobs, cloud computing is set to provide a new generation of infrastructure, services and solutions for businesses. Cloud skills and expertise are in high demand worldwide.

What would my dissertation be about?

The research dissertation is the main part of the MSc degree. Its purpose is to examine a particular aspect of cloud computing, to bring you to a point of having in-depth knowledge about that aspect, and to execute a business-relevant study on that topic. Determining and refining your topic is your decision, your supervisor will help you to do this. Your topic will ideally align with an element of the graphic opposite, and focus on business-, organisation- or consumer value or interactions with cloud computing, cloud services, or applications. Cloud computing enables the collection of large amounts of data, which require a layer of analytics to extract information useful to businesses and individuals. This information then needs to be aggregated and displayed in useful ways to facilitate decision making based upon it. These inter-related parts provide a variety of potential topics for your dissertation.

Topics may also be society-focused. As examples, from a business perspective, there is work to be done in maximising the business value of cloud computing, examining new ways of doing business using cloud technologies, and identifying potential uses of the cloud for competitive advantage. From both consumer and societal perspectives, cloud computing brings with it a number of areas that require attention, such as privacy, security, mobility, and access.

Before you apply for the course, you should give the potential topic some thought, and start a dialog with the course director who will try to match you with an appropriate supervisor – you will be asked for this information when you apply online.

What's involved overall?

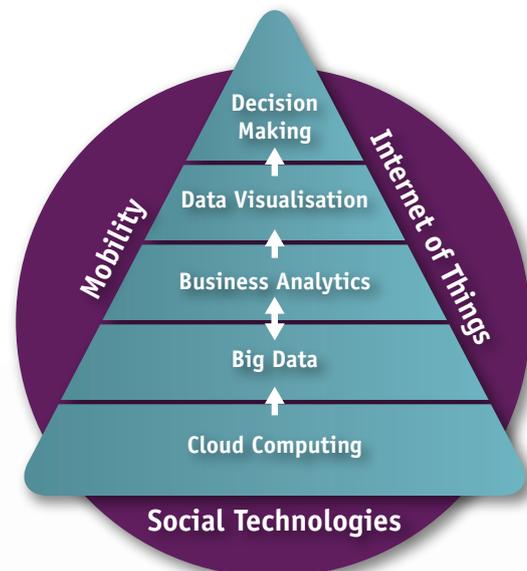
You are eligible to obtain the degree after completing 90 ECTS credits comprising Research Skills (10 ECTS taken online), and the presentation of a major Research Dissertation (80 ECTS).

The normal duration of the full-time course is one academic year Sep – Aug. The part-time course spans two academic years. For both part-time and full-time modes, persons don't need to be physically here on campus, there aren't any scheduled lectures, just the student meeting with their dissertation supervisor, which can be arranged on campus or held online at times that suit.

If you're doing the course full-time, you will complete all components in one year. If you're doing it part-time, you complete Research Skills in year 1, and work on the dissertation over years 1 and 2.

“This innovative and international masters degree is a critical support component in developing and sustaining Ireland's smart economy ahead of the curve, and in the creation of high value employment within Ireland.”

Dr Chris Coughlan, Manager of Hewlett-Packard's Worldwide Cloud Services Innovation Centre



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