EIT Digital provides cutting-edge ICT excellence in combination with innovation and entrepreneurship training, leading to a double degree and an EIT-labeled Certificate.

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### ICT Innovation

This master programme is organised by the EIT Digital Master School in cooperation with Delft University of Technology and 20 other European Universities. The programme has a strong focus on Innovation and Entrepreneurship (I&E), which prepares you for a career in business development within existing companies or for an entrepreneurial career by creating your own start-up.

Delft offers two major's: Visual Computing and Communication (VCC) - please note: this programme was previously named 'Digital Media Technology' - and Cloud Computing and Services (CCS). If you choose the VCC major you will design digital media systems based on computer graphics and image processing, and on communication techniques for distributing digital media and 3D contents. If you choose the CCS major you will design cloud-based systems for a broad range of application areas like electronic commerce, mobile services, online social networks, smart industries and web services.

**Programme**

The Master of Science programme in ICT Innovation at TU Delft is designed for students with a Bachelor’s degree in Computer Science. This two-year programme is taught in English and based on the Erasmus Mundus scheme, in which students spend one year at an 'entry' university and one year at a different 'exit' university.

In your first year you will start with four technical core courses on the major ICT topics of each programme and the rest you will spend on Innovation and Entrepreneurship. In addition, some elective courses are chosen to prepare for the specialisation in the second year.

For the second year you have to choose a different exit University, where you will start your specialisation. You will also start a thesis project which needs to be combined with an internship at a company or research institute. Directly linked to the master thesis is the I&E thesis (6 ECTS) that will cover the associated business plan for the selected thesis topic.

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<tr>
<th>Diploma</th>
<th>Master of Science Computer Science</th>
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<tr>
<td>Credits</td>
<td>120 ECTS, 24 months</td>
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<tr>
<td>Starts in</td>
<td>September</td>
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<tr>
<td>Language of instruction</td>
<td>English</td>
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<td>% International students</td>
<td>70%</td>
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Faculty of Electrical Engineering, Mathematics and Computer Science

MSc Programme

ICT Innovation
Vivek Subramanian (India)

I completed my Bachelor’s degree in Electronics and Communication Engineering from India. I applied to the EIT Digital Master’s programme in Visual Computing and Communication (VCC) - previously named ‘Digital Media Technology’ - and got accepted into it. I was really excited because it provided the possibility of studying in two different universities. More than just studying in two universities, what really got me interested was that a part of the entire Master’s programme is focused on Innovation and Entrepreneurship.

During my first year in Delft, I had the opportunity to study with a lot of students from diverse backgrounds. The programme is a fairly broad one and aims to educate a student on topics ranging from signal processing to web services, while still providing one with the freedom to specialize in what he/she is really interested in. Delft is a beautiful student city and there is much to do apart from the course work as well.

The Masters kick-off and the winter school in Eindhoven that one gets to attend, being a part of EIT, are both extremely good. We worked on business cases for some startups, along with students from TU Eindhoven during the winter school. I am sure no other Master’s programme would have given me the same level of exposure as this one has. A student, who is passionate about Technology and Entrepreneurship, needs to look no further if he or she gets admitted into this programme.
The first year is offered by Aalto University, TU Berlin, University Rennes 1 and TU Delft with a similar set of courses (distributed systems, advanced network technologies, service technologies and cloud programming models) which provide a common ground and an introduction to the various specialisations given in the second year:

- Cloud Operation at TU Berlin focuses on running and managing these complex cloud systems
- Cloud Infrastructures at University Rennes 1 focuses on the design and implementation of large-scale cloud infrastructures with special attention to the convergence of distributed systems, telecom and media.
- Data Intensive Computing at KTH (Stockholm) focuses on data intensive computing, and on designing large scale storage systems, both at large data centres and distributed across the network on peer-to-peer overlay networks.
- Distributed Information Management at UPS (Tacoma) focuses on massive information and data management with a particular emphasis on large-scale distributed systems.
- Distributed Data Processing, TU Delft focuses on the design and analysis of large-scale cloud and datacenter infrastructures, and on data-processing frameworks for compute-intensive and data-intensive applications ranging from the analysis of sensor data in smart industry to genome analysis in bioinformatics.
- Mobile Services at Aalto University (Helsinki) focuses on mobile cloud computing, connecting phones and other wireless devices to cloud services, innovating new mobile cloud computing applications, and studying the technical challenges related to their development.

Entrepreneurship
During the first semester you will be introduced to the basics of business and management. During the second semester you will combine an ICT design project with a business development exercise, where you learn how to turn technology into business and how to write a business plan. A summer school in between the first and second year, will address business opportunities within a societal relevant theme. TU Delft has a wide network of connections with the industry, and with Yes!Delft: a vibrant inspiration and incubation centre where you can start your own business. Yes!Delft already contains and supports over 100 small businesses started by former students.

My name is Robert Carosi, I am half Dutch half Italian but I grew up in the Netherlands. I did my bachelor in Computer Science at TU Delft. I chose the master programme EIT Digital - Cloud Computing and Services (CCS because it provided an interesting combination of technology and business. The first year of the programme is in Delft and my second year will be in Stockholm. I deliberately chose TU Delft for my entry year because the university has excellent courses in areas I was interested in (Cloud Computing). The second year abroad will be a chance to experience education in another country.

This master programme met my expectations, as I have found very good technical and business courses. ‘Ready to Startup at YES!Delft’ was my favourite course this year. They brought in seasoned professionals from the industry to share their stories and lessons with us. This was very inspirational and educational. The goal was to build a (fictional) start-up from scratch, covering all the important areas of the process.

I am very happy with my choice for this master programme, because I can study at two different universities and get a double degree. Moreover, there are plenty of extracurricular activities organized by the master school, in partnership with other universities in Europe. At TU Delft, I very much enjoy the international atmosphere; sharing stories with people from all over the world. In the future, I would love to start my own company together with other motivated students, or work for a large company that impacts the world. The primary goal is to use my knowledge to help as many people as possible.
Admission requirements and application procedures

Admission is through the EIT ICT Digital Master School:
www.masterschool.eitdigital.eu

Deadline
Applications should be submitted before January 15, (non-EU students) and March 15 (EU students).

Applicants should have:
◆ A bachelor’s degree in Computer Science or Electrical Engineering.
◆ A minimum of 180 ECTS credits or equivalent academic qualifications from an internationally recognized university (listed in the latest edition of the International handbook of universities).
◆ Outstanding candidates from closely related disciplines may be considered as well.
◆ DMT requires students to have previous mathematical education in linear algebra, Fourier methods and probability theory.

Tuition fee and Scholarships

EU students:
◆ Tuition fees are waived
◆ EIT Digital Master School covers the costs related to events integrated in the curriculum, e.g. Kick-off and summer schools
◆ Scholarships for excellent students: monthly allowance ranging from 500-1000 €/month

Non-EU students:
◆ Tuition fee: 10,000 €/year
◆ Scholarship for excellent students: half tuition fee waiver and a monthly allowance ranging from €500 - €1000/month

*A limited number of travel and installation grants of up to 3000 € will also be provided.