

IT Tallaght ALERT LIST 2017

New Degree Programmes

TA216 - Electronic Engineering - <http://www.it-tallaght.ie/index.cfm/page/course?id=251>

This course now offers applicants the opportunity to specialise in Engineering Software. Applicants follow a common first and second year curriculum and then students can choose to specialise in either **Electronic Engineering** or **Engineering Software**.

The entry requirements are the same for both disciplines which are a leaving certificate with a minimum of Grade O4 in ordinary level mathematics and at least O6 in four other subjects including English. Points in 2016 were 260 points.

What are Software Engineers qualified to work at?

Software Engineering is a combination of Electronics and Software Development. Many electronic devices such as your phone, the Xbox, Ipad, remote controlled drones or vehicles, have a microprocessor inside that uses a software program.

Software Engineers will work on the programs which control these devices.

TA225 - B.Eng (Hons) in Automation Engineering Level 8 <http://www.it-tallaght.ie/index.cfm/page/newsarchive/id/518>

The B.Eng (Hons) in Automation Engineering programme is a new and exciting programme launch for 2017. It is the only Level 8 Automation degree specialisation available in Dublin. The programme was launched in response to a growing demand from industry for engineers with a greater emphasis on automation, control, programming and integration with computer technology. Automation engineers with strong core mechanical engineering foundations are highly valued within the pharmaceutical, medical devices, food, mechanical and manufacturing sector as automation specialists.

TA 224 - B.Eng (Hons) in Biomedical Design - Level 8 <http://www.it-tallaght.ie/index.cfm/page/newsarchive/id/519>

Healthcare and engineering professionals work collaboratively on projects to develop innovative new ways of improving our lives. Together, they design new hip implants, contact lenses, heart stents, surgical tools, incubators, spine braces and sports fitness monitoring devices to improve our lives. The Biomedical Engineering sector employs over 24,000 people in 160 companies in Ireland.

Students at IT Tallaght School of Engineering apply the design and problem solving skills studied as part of their Biomedical Design course to healthcare problems with the aim of improving the type of devices used in healthcare and also the treatments offered to patients.

The Biomedical Design Honours degree in IT Tallaght is an innovative new programme developed to address the needs of the emergent medical technology industry. Built upon an interdisciplinary approach across engineering and science the programme will equip graduates for diverse career paths working as part of a design team with medical professionals, in hospitals, in research centres or in the manufacture of exciting new medical devices in Ireland and internationally.

IT Tallaght - Admissions- T: 01 4042000 - E: admissions@it-tallaght.ie - December 2016

This course integrates the study of anatomy and physiology with the traditional engineering subjects. Project work is carried out in conjunction with industry and surgeons from Our Lady's Children's Hospital Crumlin, Tallaght Hospital, The Mater Hospital and Santry Sports Clinic.

TA218 - B.Eng in Biomedical Design - Level 7 <http://www.it-tallaght.ie/index.cfm/page/newsarchive/id/519>

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The Biomedical Design degree in IT Tallaght is an innovative new programme developed to address the needs of the emergent medical technology industry. Built upon an interdisciplinary approach across engineering and science the programme will equip graduates for diverse career paths working as part of a design team with medical professionals, in hospitals, in research centres or in the manufacture of exciting new medical devices in Ireland and internationally.

Graduates of the B.Eng in Biomedical Design programme may progress to the 4th year of the B.Eng (Hons) in Biomedical Design to further their analytical skills and knowledge through project work in conjunction with industry and surgeons from Our Lady's Children's Hospital Crumlin, Tallaght Hospital, The Mater Hospital and Santry Sports Clinic.

TA329 - Data Analytics - <http://www.it-tallaght.ie/index.cfm/page/course?id=336>

The Computing/ Software Development and Computing / IT Management programmes are now joined by a Data Analytics specialism. Designed with major industry players and building on the research experience in IT Tallaght, this programme is a combination of deep technical skills and understanding of data.

The skills contained in this programme have been identified as in significant demand worldwide as well as the Irish Expert Group on Future Skills Needs. Key topics include Data Mining, Machine learning, Artificial Intelligence, Big Data, Semantic Web, Natural Language Processing, Data analysis, Operations Research, R, Visualisation, Python, Scripting plus core Web & Database Skills.

The programme incorporates a 6 month industry placement in Year 3.

In 2016 over 75 IT Tallaght Computing students spent six months in a range of placements across companies such as SAP, IBM, Amazon, Ergo, Version 1 and many other leading IT centres.

TA328 Computing with Languages <https://www.it-tallaght.ie/index.cfm/page/course?id=332>

The Computing/ Software Development and Computing / IT Management programmes are now joined by a Computing with Language (French/ German/ Spanish) specialism. This programme appeals to those students with an interest/ passion for a language who wish to have a career in Computing/ IT. As part of this programme you learn all core computing/ software development skills that a current graduate needs (including web development, databases, networking & security allied to software development).

IT Tallaght - Admissions- T: 01 4042000 - E: admissions@it-tallaght.ie - December 2016

Students on the programme are expected to spend a period abroad from one semester to one academic year in a university or on placement. Your language skills are highly valued by industry partners such as SAP, Microsoft and Salesforce.com. ICT graduates with Language skills are among the most highly sought after in the marketplace with companies showing a strong preference for those graduates who have demonstrated the desire, interest and ability to survive and thrive in another country.

Open Day/Mature/Parent Open Evening

The Institute will be hosting an Open evening on the following dates:

Monday 19th June 2017 from 5:30-7:30pm

Location is our main campus, IT Tallaght, Old Blessington Road, Tallaght, Dublin 24.

For further detailed information on our Open evenings or if you would like to register to attend, please visit <https://www.it-tallaght.ie/openday-evening>

School Visits

School visits can be arranged by completing the School Visit Request Form on this link:

<https://www.it-tallaght.ie/school-visits>

Admission Queries

The IT Tallaght Admissions team would be happy to discuss any questions you may have regarding applying to IT Tallaght. Please email admissions@it-tallaght.ie .

Bus Routes

There are two new bus routes in operation to connect the Institute with Kildare and Maynooth.

<http://www.it-tallaght.ie/index.cfm/page/currentnews/id/457>