‘Engineer Your Career & Become a Chartered Electronic Engineer at Waterford IT’ Accredited by Engineers Ireland for Chartered Status

Entry Details
- Applicants for the Masters in Electronic Engineering should hold a NFQ Level 8 Honours (2.2) degree in Electronic Engineering or cognate discipline (e.g. computer science, computer engineering, electrical engineering, telecommunications, physics with electronics, etc.).
- Applicants who do not hold the standard qualifying NFQ Level 8 qualification criteria, but have relevant industrial experience may be considered for admission to the programme under the Institute’s Recognition of Prior Learning (RPL) process and subject to an interview.
- Applicants whose primary language is not English must submit evidence of competency in English. Please see our website for more details at www.wit.ie/englishrequirements

Fees
For information on fees please visit our website at www.wit.ie/pgfees

Programme Outline
The Masters in Electronic Engineering provides tuition and practice in state of the art technological disciplines such as: Analogue & Mixed Signal IC Design, Semiconductor Process and Device Engineering, Nanotechnology and Optoelectronics, Advanced Digital Signal Processing, Embedded System Design & HDL Digital Design, Wireless and Digital Communications, Mathematical Modelling and Technology Management. The Masters Degree requires the successful completion of ten compulsory modules and two out of six elective modules. The student must also successfully complete a research project and dissertation.

Programme Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analogue Integrated Circuit Design</td>
<td>Mixed Integrated Circuit Design (Elective)</td>
<td>Research Project and Dissertation</td>
</tr>
<tr>
<td>Semiconductor Process Engineering (Elective)</td>
<td>Semiconductor Device Engineering</td>
<td></td>
</tr>
<tr>
<td>Nanotechnology (Elective)</td>
<td>Optoelectronics (Elective)</td>
<td></td>
</tr>
<tr>
<td>Advanced Digital Signal Processing</td>
<td>HDL Digital Design</td>
<td></td>
</tr>
<tr>
<td>Embedded System Design</td>
<td>Digital Communications</td>
<td></td>
</tr>
<tr>
<td>Communications Networks (Elective)</td>
<td>Wireless Communications (Elective)</td>
<td></td>
</tr>
<tr>
<td>Mathematical Modelling</td>
<td>Technology Management</td>
<td></td>
</tr>
<tr>
<td>Professional Communications &amp; Research Methods</td>
<td>Professional Development &amp; Professional Practice</td>
<td></td>
</tr>
</tbody>
</table>

Programme Delivery
The Master of Engineering in Electronic Engineering is available in full-time mode over 1 year and part-time mode over 2 years (1 day per week).

Unique Features
- Accredited by Engineers Ireland for Chartered status
- Content highly aligned to industry requirements
- High rate of graduate employment in high-tech companies
- Major integrated R&D project

Career Opportunities
Students who complete this programme will be converse in professional communications, research methods, professional development and professional practice; allowing them to fully utilise the core technical skill base acquired to continue to further their professional and educational development.

Typical job functions include: Chartered Engineer, Research Scientist, Integrated Circuit Design Engineer, Semiconductor Design & Fabrication Engineer, Digital System Design Engineer, Telecommunications Engineer, Wireless Communications Engineer, Project Engineer, Engineering Manager.

Follow On Options: Application for recognition as Chartered Engineer, PhD study.

Engineers Ireland
The MEng in Electronic Engineering programme is at NFQ Level 9 and has been designed to meet the accreditation standard of Engineers Ireland at Chartered level. Further information about Engineers Ireland eligibility is available from the MEng in Electronic Engineering webpage at www.wit.ie/wd543.

Industry Testimonial
Alan Maher, International Foundry Yield Manager with Analog Devices Corporation: “Over the past decade, I have hired numerous graduates from the degree and masters programmes in electronics at Waterford Institute of Technology. Although, our recruitment processes are rigorous, without exception all of the WIT graduates we have hired have proved professional, technically competent and able to contribute from day one. Even in the current economic climate, our company continues to seek to employ the best possible engineers that we can recruit. Waterford IT produces this type of graduate.” Analog Devices Corporation is a multinational microelectronic device manufacturer with a turnover in excess of two billion US Dollars per annum, that employs over 9,000 people worldwide (with over 1,000 of these jobs based at mtheir design and fabrication facility in Limerick, where the company recently completed a €50 Million investment in its research and development facilities).

Applications
Applications for this programme are made online by going to www.pac.ie (code WD543)

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Admissions queries contact
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For more detailed information please visit our website at www.wit.ie/wd543
www.wit.ie/engineering