



# 300 Free/Part-Funded Places

## Achieve, Learn and Grow in 2019

### **Athlone Institute of Technology**

Information Evening Tuesday 15 January 2019,  
6pm - 8pm

**Part-time and Online Programmes starting  
in January 2019 through Springboard+**

Certificate in Operations, Quality and Lean Management  
*(in Athlone, Ballinasloe and Tullamore)*

Special Purpose Award in Robotics and Automation

Special Purpose Award in Construction Management

Higher Diploma in Science in Data Analytics

Master of Science in Data Analytics

[www.springboardcourses.ie](http://www.springboardcourses.ie) [www.ait.ie](http://www.ait.ie)



Rialtas na hÉireann  
Government of Ireland



An Roinn Oideachais  
agus Scileanna  
Department of  
Education and Skills

HEA | HIC  
AN

*Springboard+ is co-funded by the Government of Ireland and the European Social Fund  
as part of the ESF programme for employability, inclusion and learning 2014-2020*

## Master of Science in Data Analytics

NFQ Level	Delivery	Duration
9	Online	1 Year: Mon & Wed evenings online

### About this course

The MSc in Data Analytics will equip graduates with the ability to work with large volumes of data, irrespective of where this data originates, to derive meaning and insights. Graduates will be equipped with the skills necessary to manipulate this data and present insights by utilising a range of analytical skills and analysis techniques. The programme will incorporate mathematical and numerical analysis by utilising a range of software tools including databases, spreadsheets, analytical software and visualisation software.

#### Modules Include:

- Relational Databases
- Programming for Big Data
- Statistics for Data Analytics
- Interpretation of Data
- Advanced Analytics
- Business Research Methods
- Data Visualisation
- Applied Research Project

### Entry Requirements

A Level 8 or equivalent honours degree in Business, Science or Engineering, with a minimum grade of 2.1 (60%), comprising of at least 30 ECTS credits in any combination of maths, computer science or engineering.

### Contact Us

Trevor Prendergast Dept of Accounting & Business Computing Athlone Institute of Technology **Tel:** +353 90 6471857 **Email:** tprendergast@ait.ie

ECTS Credits	Application Deadline	Start Date
90	10/01/2019	Induction 12/01/2019

## Higher Diploma in Science in Data Analytics

NFQ Level	Delivery	Duration
8	Online	2 Years: Tue & Thurs evenings online

### About this course

Students will learn about database technologies, statistics and data analytics and visualisation utilising technologies such as R, Tableau and Oracle; all of which are identified by various publications as both current and future skills needs. This programme will produce skilled data analytics graduates with the technical background, knowledge and adaptability to design and develop scalable, robust solutions to a range of problems. Graduates will be equipped with core skills in essential data analytics tools and data analysis methodologies.

#### Modules Include:

- Programming for Big Data
- Interpretation of Data 1
- Database Systems
- Probability and Statistics
- Advanced Databases
- Data Analytics Case Studies
- Data Analytics Project
- Industry Placement

### Entry Requirements

Students with a Level 8 degree or equivalent qualification are eligible to apply to join this programme.

ECTS Credits	Application Deadline	Start Date
90	22/01/2019	Induction 26/01/2019

## Certificate in Construction Management

NFQ Level	Delivery	Duration	ECTS Credits	Application Deadline	Start Date
8	Online + labs	1 Year: Mon evenings online, Friday labs	40	22/01/2019	Induction 26/01/2019

### About this course

This programme is a unique offering in Ireland and has been specifically designed to meet the modern requirements of a construction manager in a rapidly evolving sector. The focus of this programme is on contemporary challenges such as the implementation of lean management processes and proficiency in Building Information Modelling (BIM) technology. Construction Economics and Costing, Site and Safety Management and Project Scheduling and Control are also key module components.

This programme is specifically targeted at those wishing to upskill in this very rewarding employment sector, and provides an excellent opportunity for jobseekers and for individuals wishing to study part-time while also working.

You will be exposed to a range of modules that are most relevant to construction management. You will be taught by academic staff with current industrial experience and you will get direct exposure to relevant industrial practice.

### Entry Requirements

A Level 7 qualification in construction studies, construction management, civil engineering or cognate discipline. Candidates that do not meet the above criteria may be eligible for admission to the programme through the RPL (Recognized Prior Learning) route. (Consideration is on an individual basis in accordance with the Institute's policy on RPL).

### Contact Us

Alan Duffy  
Lecturer  
Department of Civil and Construction  
Athlone Institute of Technology  
**Tel:** +353906472531  
**Email:** aduffy@ait.ie

\*Check your eligibility for **Springboard+ 2018** - visit [www.springboardcourses.ie](http://www.springboardcourses.ie) for further details of the programmes and for a full list of entry requirements and eligibility

# Certificate in Operations, Quality and Lean Management

NFQ Level	Delivery	Duration	ECTS Credits	Application Deadline	Start Date
6	Classroom - evenings	1 Year: Mon & Wed evenings 6pm - 10pm	60	22/01/2019	Induction 26/01/2019

## About this course

The primary aim of this course is to produce competent workers in the field of operations, quality and lean management (irrespective of business environment). This programme is suitable for those who wish to develop their careers in manufacturing and service sectors (e.g. retail, hospitality, call centres, financial services) but with a specific interest in the area of Quality operations.

Upon completion, students will have a general business operations perspective complemented by skills in the area of Quality Assurance (Lean Six Sigma – Green Belt).

### Modules include:

- Business Management
- Introduction to Statistics
- Fundamentals of Quality Assurance
- Operations Management
- Quality Management
- Lean Management
- Professional Development and Career Planning
- Learning and Development for Higher Education



## Entry Requirements

- Mature applicants (i.e. over 23 years of age) *or*,
- Grade O6 at ordinary level in five subjects in the Leaving Certificate examinations. Two of these subjects must be mathematics and a language (English or Irish) *or*,
- Any QQI level 5 qualification *or*,
- An approved equivalent qualification.

## Contact Us

**Janine King**  
 Dept of Lifelong Learning  
 Athlone Institute of Technology  
**Tel:** +353 90 6483054  
**Email:** jking@ait.ie

# Certificate in Robotics and Automation

NFQ Level	Delivery	Duration	ECTS Credits	Application Deadline	Start Date
6	Online + labs	1 Year: Mon evenings online, Friday labs	40	22/01/2019	Induction 26/01/2019

## About this course

This Robotics & Industrial Automation programme will give a range of technical knowledge and skills to underpin the advanced industrial automation currently in use in the Irish manufacturing sector.

The target enrolment is for industrial maintenance personnel who are working or unemployed who want to up skill in this rapidly changing technology.

Numerous facets of the Irish manufacturing sector rely on robotics and industrial automation for the fabrication, assembly and inspection of products. The use of automation lines and robotics equipment allows for the high speed efficient manufacture of complex articles that can be assembled and inspected with greater precision and reliability compared to a manual process. Robotics & industrial automation are utilised heavily in many diverse sectors such as the medical device, packaging, aerospace, food and automotive industries.

## Entry Requirements

An Electrical or Mechanical National Craft Certificate.  
 RPL (recognition of prior learning) in Industrial Engineering will also be considered.

**Apply now**  
[www.springboardcourses.ie](http://www.springboardcourses.ie)

## Contact Us

**Breda Lynch**  
 Dept Polymer, Mechanical and Design  
 Athlone Institute of Technology  
**Tel:** +353906483041  
**Email:** blynch@ait.ie

\*Check your eligibility for **Springboard+ 2018** - visit [www.springboardcourses.ie](http://www.springboardcourses.ie) for further details of the programmes and for a full list of entry requirements and eligibility

## Free/Part-funded places on Springboard+ funded courses in Athlone, Tullamore and Ballinasloe.

Athlone Institute of Technology (AIT) is delighted to announce that it has secured additional funding to offer free and part-funded places on programmes commencing in both Athlone, Co Westmeath, Ballinasloe, Co Galway and Tullamore, Co. Offaly. All courses will start with a one day induction for students on 26th January 2019 in AIT, with the exception of the Masters in Data Analytics programme's induction day scheduled for the 12th January 2019.

The programmes are available to those currently in employment (irrespective of level), to those on social welfare or for those who are considering returning to employment after a number of years.

The programmes are in response to the identification of the skills requirements for companies operating specifically in the Manufacturing, Services, Data Analytics/ICT and Med- Technology sectors. The programmes' objective is to give learners the skills to begin their career in these sectors or indeed if already working in these sectors, skills to further enhance their career prospects. Mr Seadna Ryan, Head of Department of Lifelong Learning, AIT says 'the programmes are applicable to those working or who intend to work across all business sectors e.g. Biopharma, MedTech, Manufacturing, Healthcare, Hotel and Catering, Construction, Retailing etc. to mention but a few'.

### The programmes on offer are:

- 1. Certificate in Operations, Quality and Lean Management** (NFQ Level 6, 60 Credits), to be delivered in Athlone, Tullamore and Ballinasloe on Tuesdays and Thursdays from 6pm to 10pm and a number of Saturdays
- 2. Certificate in Robotics and Automation** (NFQ Level 6, 40 Credits), to be delivered online on Monday evenings and in class in AIT on Fridays
- 3. Certificate in Construction Management** (NFQ Level 8, 40 credits), to be delivered online on Monday evenings and in class in AIT every second Friday
- 4. Higher Diploma in Data Analytics** (NFQ Level 8, 90 credits), to be delivered online on Tuesday and Thursday evenings, with a number of in class tutorials in AIT
- 5. Master of Science in Data Analytics** (NFQ Level 9, 90 credits), to be delivered online on Monday and Wednesday evenings, with a number of optional Friday workshops held on-campus in AIT

This is a unique opportunity to gain 'free' or part funded training on these nationally accredited part-time evening programmes. While places are limited, AIT will make every effort to ensure all those who apply are facilitated. Application is made via [www.springboardcourses.ie](http://www.springboardcourses.ie) and given the previous demand it is recommended that those interested in applying do so as soon as possible.

Details of each programme are also available on [www.ait.ie](http://www.ait.ie) and [www.springboardcourses.ie](http://www.springboardcourses.ie)