



NUI Galway
OÉ Gaillimh

J.E. Cairnes School of
Business and Economics



MSc in International Accounting & Analytics

Pathway B: January Intake

100%
Graduate
Employment Rate
2017/2018
by August
2018

www.nuigalway.ie/accounting-analytics.html

MSc in International Accounting & Analytics

- Shortlisted for Best New Postgraduate Programme (Grad Ireland 2017/2018)
- SAP Certification

Programme Rationale

This MSc. in International Accounting and Analytics at NUI Galway offers an opportunity to deepen your study of management accounting and to develop understanding, insights and technical knowledge of the data analytics tools and techniques for driving organisational performance. Data and analytics is now a key priority for the leading professional accounting firms. This programme is designed to provide early and mid-career accountants with the skills and knowledge needed to engage with big data in a variety of roles in practice and industry. Our programme responds to the changing skills needed in business, in particular the need for more modules on data interrogation and analytics, noted as increasingly important by the recent Institute of Chartered Accountants in Scotland and UK Financial Reporting Council report on Auditor Skills in a Changing Business World (2016). This programme will develop your analytical skills and will enhance your data and analytics skillset so that you can apply advanced technologies with ease in a changing business environment.

Recognition of Prior Learning

We recognise your prior learning in meeting the professional requirements to be admitted to associate membership of a recognised international accounting body. We exempt you 45 of the 90 credits of this MSc in International Accounting and Analytics in recognition of this prior learning.

Programme Delivery

This postgraduate MSc. in International Accounting and Analytics programme commences in early January each year, and is offered on a full-time basis (January to August over one year) or part-time (January to August over two years) and is suitable for professional accountants in industry or practice who wish to enhance their knowledge of accounting, business intelligence and big data analytics.

Course Facts

Course Instance:	1MIA2 (part-time); 1MIA3 (full-time)
Course Level:	Level 9
Duration:	Full-time: January-August over one year. Part-time: January-August over two years.
Fees:	www.nuigalway.ie/fees
Apply:	www.nuigalway.ie/apply
Closing date:	Places will be offered on a rolling basis and candidates are advised to apply as early as possible. Applications will close when the programme is full.
Contact:	Dr. Geraldine Robbins, T: +35391492308, E: accounting@nuigalway.ie www.nuigalway.ie/accounting-analytics.html

Programme Structure and Modules

	Year 1 January to August	Year 2 January to August
Full Time over one year	45 credits	0
Part Time over two years	25 credits	20 credits

Full-Time MSc International Accounting and Analytics (for qualified accountants) Pathway B over one year, January to August

Module code	Module Title	Delivery	Credits
MS5106	Data Science and Big Data Analytics	Jan-April	5
MS5109	Business Intelligence with SAP	Jan-March	10
AYS114	KPMG led Summer School on Audit and Accounting Analytics	May/June	10
AYS107	Accounting for Management Control	Jan-April	5
AYS121	Analytical and Communications Skills Development	Jan-March	5
AYS115	Summer School on Management of Organizational Performance	May/June	10
	All modules	25 credits	45 credits
	Recognition of Prior Learning		45 credits
	MSc International Accounting & Analytics		90 credits

Part-Time MSc International Accounting and Analytics (for qualified accountants) Pathway B over two years, January to August

Module code	Module Title	Delivery	Credits
MS5106	Data Science and Big Data Analytics	Jan-April	5
MS5109	Business Intelligence with SAP	Jan-March	10
AYS114	KPMG led Summer School on Audit and Accounting Analytics	May/June	10
		Year 1	25 Credits
AYS107	Accounting for Management Control	Jan-April	5
AYS121	Analytical and Communications Skills Development	Jan-March	5
AYS115	Summer School on Management of Organizational Performance	May/June	10
		Year 2	20 Credits
	Recognition of Prior Learning		45 credits
	MSc International Accounting & Analytics		90 credits



Minimum Entry Requirements

Students must have completed the examinations of and have been admitted to full professional associate membership of a recognised professional accountancy body: ACCA, ICAI, CPA, ICA India, CIPFA and CIMA or other IFAC member body assessed as equivalent by the programme director.

Why Study at NUI Galway?

When you join our learning community you will be joining a great University with a distinguished reputation for teaching and research excellence that spans more than 160 years. NUI Galway is ranked in the top 1% of universities in the world according to the QS World University Rankings and is The Sunday Times University of the Year 2018.

Why Study International Accounting and Analytics?

The MSc in International Accounting and Analytics is designed to enhance your professional development and to complement your existing business knowledge. This programme will help advance your career in a changing accounting and business environment. Our MSc develops both your academic knowledge and professional skills through the application of theory to solve business problems. This master's programme challenges you to take responsibility for enhanced skills development by using the advanced materials provided to develop transferrable analytics skills and competencies to meet the demands of a changing business environment.

Key Features of the Programme Include

- Internationally recognised and valued SAP Certification
- KPMG led Summer School on Audit and Accounting Analytics
- Guest lectures from experts in practice
- The development of professional skills for the workplace
- Career advice
- Skills development opportunities

KPMG Led Analytics Summer School



*Laurence May
Principal, KPMG and
Adjunct Professor,
NUI Galway*

"We are in an age where more data is being created faster than ever before, with less than 1% of data ever being used or analysed. Therefore, the ability to analyse and use this data is a key challenge for all professions, including audit and accounting. The summer school is a mix of lectures and practical breakout sessions where participants will see how KPMG uses its Data & Analytics tools to harness the power of technology and bring greater vigour, precision and meaningful insights in the increasing age of data."

Our Team of Lecturers

The programme is delivered by highly experienced and dedicated faculty and integrates an academically rigorous and challenging real-world accounting education with analytics skills development which relies on active and continuous engagement from students. Students on our programme will have developed the ability to perform insightful analysis to underpin time pressured problem solving, drawing on their enhanced critical thinking abilities as the programme progresses. Our MSc in International Accounting and Analytics provides our graduates with the knowledge, transferrable skills and confidence to take up accounting and finance career development roles in practice and industry.

Career Opportunities

Our MSc is the first programme of its kind in UK and Irish Universities to offer practical hands-on modules in SAP and audit analytics tools for accountants. As a graduate of the MSc. in International Accounting and Analytics you will have access to a wide range of employment opportunities in: Accounting, Industry, Management Consultancy and Financial Services.

Find out more:

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Email: accounting@nuigalway.ie

www.nuigalway.ie/accounting-analytics.html

What Our Employers Say

"The well-established and proven advantages which a strong finance function brings to a business will need to be reimagined and adapted to the requirements of big data, the burgeoning of digital channel transactions and the increased demand for real-time and predictive analytics. This must complement more traditional financial and management accounting reporting. The accountant of the future can play as vital a role in high performing business as he/she does today but that will involve a transformed relationship with analytics and key aspects of "Platform 4.0" such as adaptive technology and artificial intelligence"

Brian Healy

*Director, Traded Markets, Development,
Operations Irish Stock Exchange Plc*

Our Graduates

67% of our students were offered employment before they had completed the programme in a variety of roles: as project accountants, working in business valuation modelling and in audit and logistical business solutions environments. By the end of the programme, 100% of students were employed.



"The MSc in International Accounting and Analytics is a unique course which provides a good revision of key accounting topics and introduces accountants to the phenomena of Big Data. Practical sessions have helped me understand how I as an accountant can leverage various tools to analyse the growing volume of data available to my organisation and gain invaluable insights to add value to the business. Obtaining, managing and presenting the data is key to being able to interpret it and this course provides a great basis to build on."

**Neasa Kitchin, Pathway B Graduate 2017/2018,
employed as Project Accountant**



"After speaking to the programme director, I was willing to take the risk of leaving my life in India to aim at higher goals in Ireland. I choose NUI Galway over the rest of the Universities in the world due to the course design and curriculum and the career support offered by the University. The entire MSc was

structured smartly on significant topics in this changing world of accounting and finance. I found the staff highly empathetic with us the student community, professional in dealing with problems and they always prioritised the quality of the curriculum. This programme helped me secure a Senior role in BDO's Valuations and Financial Modelling. I look forward to moving to managerial role in next six months where I get the opportunity to lead a team. I am very proud to be an NUI Galway alumnus."

Umesh Sharma, Pathway B, Qualified Accountant