Your Masters in Data Analytics

What next?

NCI

Coláiste Náisiúnta na hÉireann | National College of Ireland

The data and analytics sector in Ireland continues to expand at pace, driven by AI adoption, the surge of data across all industries, and the increasing importance of data in decision-making at executive level. Ireland's data job market is reportedly growing 12% faster than the EU average, with Dublin ranked among Europe's top 5 tech cities for technology jobs. This growth is reflected in hiring demand for roles like Data Analyst, Data Scientist, and BI Analyst, which are among the most posted jobs on Irish job boards.

Technical proficiency remains a baseline requirement for data analytics roles, but employers are placing growing emphasis on soft skills and business acumen. On the technical side, programming and data manipulation skills are essential: expertise in Python or R for analysis, SQL for databases, and familiarity with big data tools (Hadoop, Spark, NoSQL databases) are commonly listed requirements Experience with machine learning frameworks, cloud platforms (AWS, Azure, GCP), and data visualization tools (Tableau, Power BI) also boosts a candidate's attractiveness. Equally important, however, are the interpersonal and analytical thinking skills that enable data professionals to translate data into business value. As data functions become integrated into every business unit, companies seek analysts who can collaborate cross-functionally, communicate insights clearly, and adapt to stakeholders' needs.

What do NCI MSc Data Analytics Graduates do?

Over 250 students graduate from the MSc Data Analytics programme with National College of Ireland every year. This includes both recent graduates with no prior work experience and professionals with substantial industry backgrounds. Regardless of their experience level, NCI graduates have an excellent track record in securing roles within the Irish job market, both in Data Analytics and across broader IT sectors.

The NCI Careers Team publishes a Graduate Outcomes Report every year, detailing where graduates are employed or pursuing further study nine months after graduation. Explore over 10 years of graduate destinations and trends at: https://bit.ly NCIGradDestinations.

The following is a sample of jobs and employers for MSc Data Analytics Graduates over the past number of years:

Data Analytics Focused Roles

Accenture, Data Analyst; **Accenture**, Technical Analyst; **Aer Lingus**, Insights Specialist; **AIB**, Technology Analyst; **Atlantach Technical Services**, Data Analyst; **Axa Insurance**, Data Analyst; **Bank of America**, Operations Business Analyst; **Blackrock Clinic**, Business Intelligence Analyst; **Bord Gais**, Graduate Data Engineer; **Bord Gais Energy**, Data Analyst; **Citi**, Application Developer Intermed Programmer Analyst/AWS Data Engineer; **Ckdelta**, Senior Data Engineer; **Cognizant Life Sciences Manufacturing Group**, Programmer Analyst; **Comreg**, Graduate Data Analyst; **Data Science Wizards,** Data Scientist; **Diageo**, Revenue Reporting Analyst; **DHL Global Forwarding**, IT Automation Specialist; **Dun & Bradstreet**, Senior Software Engineer — Big Data and Analytics; **Eir**, Data Engineer; **EirGrid Group**, Operation and Data Analyst; **Eli Lilly**, AI/ML Engineer; **EPAM Systems**, Senior Data Engineer; **Expleo Group**, Senior Power BI Developer; **EY**, Data Analytics and AI Manager; **FBD Insurance**, Data Warehouse Engineer; **Flutter**, Automation Business Analyst; **Flutter Entertainment**, Ad Insights Analyst; **Forsman & Bodenfors**, Digital Strategist; **GHD**, Data Scientist; **Hannover Re**, Lead Data Scientist; **Health Service Executive**, Reporting and Strategy Lead Analyst; **IBM**, Data Science Program Director; **ICON plc**, Senior Data Engineer; **Infosys Ltd.**, Senior ML Engineer; **Irish Water**, Data Analyst; **JP Morgan Chase**, Automation Engineer; **Johnson and Johnson**, Data Engineer; **Kenaf**, Data Scientist; **Kennco Underwriting**, Data and Product Development Manager; **Mastercard**, Senior Database.

Other areas of IT

Accenture, Application Developer; **Amazon Web Services (AWS)**, Cloud Support Associate x 2; **Bank of America**, Software Engineer; **Bank of America**,Technology Analyst – Graduate Programme; **BearingPoint**, Technology Consultant; **Canada Life**, IT Graduate; **Citi**, Applications Development Senior Programmer Analyst (AVP); **Codec**, Senior Quality Assurance Software Tester; **Covalen Solutions**, Generative AI Annotator; **Cubic Telecom**, Agile QA Analyst; **Deloitte**, Solution Developer; **Deloitte**, Solutions Engineer; **ESentire**, SOC Analyst I; **Ergo**, ServiceNow Developer; **Fi**, Software Engineer; **Flogas**, Functional Consultant; **Forvis Mazars**, IT Auditor; **General Motors**, Software Developer AI/ML; **Guidewire**, Senior Consultant; **Hyundai**, IT Specialist; **IBM**, Software Developer; **Innovsource**, Software Developer; **Intel Corporation**, Yield Engineer; **Irish Life Health**, Senior Application Support Specialist; **Irish Water**, Security and SOC Coordinator; **Kerry Group**, Information and Communications Technologist; **Liberty Mutual Insurance**, Senior Software Engineer; **Linesight**, Project Control Data Specialist; **Maltego Technologies**, Junior Business System Manager; **Mastercard**, Lead Site Reliability Engineer; **Mastercard**, Software Engineer; **Mastercard Ireland**, Software Engineer II; **McAfee**, Cloud Software Engineer; **Medtronic**, Associate Quality Systems Specialist; **Meta**, Product Support Analyst (Escalations); **Methodhub**, Python Developer; **Microsoft**, Cloud Solutions Architect; **PwC**, Senior Analyst; **PwC**, Senior Associate – Tax Specialist (Data Analytics); **PwC**, Tax Technology Associate; **RTE**, DevOps Engineer; **SAP**, Associate Business Process Consultant; **SAP**, Associate Consultant; **SAP**, Business Process Consultant; **SAP**, Developer; **Signify Health**, Quality Engineer; **Smartecarte Ireland LTD**, Customer Service Agent; **Softco**, Software Quality Engineer; **Spanish Point Technologies Ltd**, Software Developer; **Squarebreed Tech**, Full Stack Developer; **Suir Engineering**, Electrical Engineer; **Sun Life**, Lead Engineer; **Tapadoo**, Mobile Application Developer; **Turner & Townsend**, Senior Consultant; **Version 1**, Java Developer; **Viatel**, Cloud Engineer; **VISION Consulting**, Software Developer; **Wipro**, Senior Project Engineer; **Wood PLC**, Graduate Software Engineer; **Workplace Relations Commission**, Business Solutions Manager; **Yahoo**, Software Development Engineer.

How to stand out in the Data Analytics job market

The data analytics sector is competitive — to give yourself every chance we suggest the following:

- Attend career fairs, workshops, and networking events organised by NCI and compete in events such as Citi Upstart and Enfuse.
- Pursue internships, freelance projects or hands-on experience through labs and open-source contributions.
- Build a professional online presence: share projects on GitHub or contribute to data analytics forums such as Kaggle.
- Join Meetup Groups
    - o   Dublin Data Science: https://www.meetup.com/dublin-data-science
    - o   Analytics Pioneers: https://www.meetup.com/analytics-pioneers-dublin
    - o   Machine Learning Dubin: https://www.meetup.com/machine-learning-dublin
    - o   Data Science and Engineering Club: https://www.meetup.com/data-science-and-engineering-club
    - o   Data & Analytics Chats (in a pub): https://www.meetup.com/data-in-a-pub
    - o   Data, Cloud and AI in Dublin: https://www.meetup.com/big-data-developers-in-dublin
    - o   OSDC Dublin Data Science: https://www.meetup.com/dublin-data-science-odsc
    - o   Data Science Festival: https://www.meetup.com/data-science-festival-dublin

- Attend industry events, for example:
    - o   Analytics Summit: https://analyticsinstitute.org/event-calendar.html
    - o   Dublin Tech Summit: https://dublintechsummit.tech
- Online Forums: Reddit and Slack Communities – Subreddits like r/datascience or r/Analytics often have discussions on job hunting.
- Connect with recruiters on LinkedIn who focus on recruiting in the data science area and link in with alumni from your programme.
- Have a strategic approach to job hunting – There are excellent resources on the LAMP Job Search method, application trackers etc. on Symplicity: https://ncirl-csm.symplicity.com

Useful Resources

- Analytics Institute: Data Salaries & Job Sentiment Analysis 2025: https://bit.ly/Analyticsreport2025
- Employment Permits: List of employers who have secured employment permits.
  Published monthly by The Department of Enterprise, Trade and Employment: https://bit.ly/PermitStatistics
- NCI Careers website has CV templates, interview tips etc: https://www.ncirl.ie/Careers/StudentsandGraduates
- Weekly jobs newsletter: Sign up via https://bit.ly/NCIsignup2025
- NCI Data Analytics Alumni on LinkedIn, see where past graduates are working: https://bit.ly/NCIDataalumni

Where to look for opportunities

- gradireland: https://gradireland.com/graduate-jobs
- Graduate Programme Listing – List of live graduate programmes compiled by NCI Careers: https://bit.ly/NCIListofGradProgrammes
- Harnham, Data & Ai Recruitment Agency: https://www.harnham.com/job-search
- Indeed: https://ie.indeed.com
- Irishjobs: https://www.irishjobs.ie
- IT Search: https://itsearch.ie
- LinkedIn Jobs: https://bit.ly/LIMarketingJobsIreland
- NCI online jobs board: https://ncirl-csm.symplicity.com
- Publicjobs: https://publicjobs.ie/en
- WAM – AHEAD Graduate Programme for graduates with a disability: https://www.ahead.ie/currentopportunities

Tip: Connect with specialist cyber recruiters in different recruitment agencies so you keep up to date on the market.

Using Boolean Search with job boards

Using a Boolean search such as the one below will help you search the job boards for a wide range of graduate roles in Dublin by including multiple job title variations that employers might use. It increases your chances of discovering relevant opportunities, even if they are listed under slightly different titles. This list should be edited to target roles you are most interested in.

"Data Analyst" **OR** "Technical Analyst" **OR** "Insights SPecialist" **OR** "Business Analyst"**OR** "Big Data" **OR** "Data Scientist" **OR** "Data Graduate" **OR** "Power BI Developer" **OR** "Automation Specialist" **OR** " Data Specialist" **OR** "Data Science" **OR** "Data Analysis" **OR** "Insights Analyst" **OR** "Data Engineer" **OR** "Business Intelligence" **OR** "BI Analyst" **OR** "Data Consultant".

How can the Careers Service help you?

The Careers Service supports students in exploring their career options and connects students with employers. You can book an appointment with your careers consultant to help you decide your next step in your career. Login to https://ncirl-csm.symplicity.com to see the full range of Career events and supports available, to view the jobs board and to and book an appointment with your Careers Advisor today.