



Ollscoil Mhá Nuad Maynooth University

Department of Chemistry Technical Officer (Permanent)

The Role

Maynooth University is committed to a strategy in which the primary University goals of excellent research and scholarship and outstanding education are interlinked and equally valued.

We are seeking a skilled and motivated technical Officer to join our staff at the Department of Chemistry, Maynooth University.

The technical officer will oversee the maintenance, calibration, and operational readiness of laboratory equipment (research and teaching infrastructure). The Technical Officer will play a critical role in ensuring the reliability and safety of research instrumentation and laboratory infrastructure, supporting and engaging in research within the Department and the Faculty.

Principal Duties

Administrative and other duties:

- Maintain, calibrate, and troubleshoot a range of analytical and synthetic chemistry instruments (e.g., NMR, Chromatographic equipment, XRD, LC-MS, SEM and other apparatus present in the Chemistry Department).
- Coordinate and perform routine preventative maintenance and safety checks on laboratory equipment.
- Serve as the primary contact for instrument suppliers, service technicians, and warranty/service contract management.
- Maintain detailed records of maintenance, repairs, and calibration for compliance and auditing purposes.
- Assist with installation and setup of new laboratory instruments and equipment.
- Responsibility for the Cryogenic fill of the NMR instrument.



- Support the departmental research activity by providing training and technical support to staff, students and researchers on proper instrument operation, sample analysis and maintenance procedures.
- Monitor inventory and order parts and consumables as needed for equipment upkeep.
- Ensure all instruments meet safety and regulatory standards (e.g., OSHA, EPA, institutional policies).
- Support general laboratory operations of equipment as required by the Head of Department or the CTO.
- Coordinate relevant waste management and ensure health and safety compliance.
- Develop and implement standard operating procedures (SOPs), risk assessments and technical support documents for instrumentation and equipment in the department.
- Engage in the appropriate training and professional development opportunities as required by the Head of Department.

The duties and responsibilities outlined have been listed as general and standard requirements. Additions or amendments may therefore be made to reflect the specific requirements of the Department.

The ideal candidate will have:

Essential

- Bachelor's degree in Chemistry, Chemical Engineering, or a related scientific field.
- Prior experience in laboratory equipment maintenance, preferably in an academic or research setting.
- Strong technical knowledge of chemical instrumentation and laboratory safety.
- Excellent problem-solving and organisational skills.
- Strong communication skills for interaction with researchers, suppliers, and institutional staff.
- Ability to work independently and collaboratively in a dynamic research environment.
- Ability to prioritise, problem solve and bring tasks to completion.

Desirable

- A higher degree up to and including PhD level in Science or related disciplines.
- Experience with instrumentation software and data systems (e.g., Mestrenova, Origin, TopSpin, UV and IR software).
- An in-depth knowledge of NMR techniques and ability to design and optimise specialised experiments to support a wide range of research group's needs.
- Experience in maintaining NMR spectrometers including filling of cryogenic liquids, probe maintenance and automation of ICON NMR.
- Knowledge of surface science equipment e.g. scanning electron microscopy, operation, sample preparation and measurement including EDS.
- Strong experience in characterisation of molecules using various spectroscopic techniques.
- Knowledge of electrical and mechanical systems related to lab equipment.
- Familiarity with Good Laboratory Practices (GLP) and Standard Operating Procedures (SOPs).
- Knowledge and experience with university procurement system.



Faculty and Research Institutes

The Faculty of Science and Engineering comprises the Departments of Chemistry, Biology, Experimental Physics, Computer Science, Electronic Engineering, Mathematics and Statistics, Psychology and Theoretical Physics. The role of the Faculty is to co-ordinate the academic activities of individual departments, to oversee the strategic development of departments and to support interdepartmental programmes. The University has also developed a number of interdisciplinary institutes to support excellent research and to build research capacity across disciplines.

Department

The Department of Chemistry provides teaching in multiple degree programmes to over 700 students enrolled on undergraduate and postgraduate degree programmes. The Department of Chemistry offers well-established BSc Honours degree programmes in Chemistry, Pharmaceutical and Biomedical Chemistry and Science Education in a vibrant learning environment. It has a strong record of PhD student supervision and current research strengths include synthesis of small molecule therapeutics and diagnostics. The Department was awarded an Athena SWAN Bronze Award in 2021 and has a strong commitment to promoting gender equality.

More detailed information on research activity in the Department of Chemistry can be found at <https://www.maynoothuniversity.ie/chemistry>

The University

Maynooth University is a very distinctive university, a collegial institution focused on science and engineering, humanities, and social sciences, and equally committed to research, teaching and community engagement. Located in Ireland's only university town, its distinctive features and character owe much to its unique history and heritage. It provides a high-quality educational experience to over 15,000 students on a campus with 18th century roots and 21st century dynamism.

The strategic trajectory and accomplishments of Maynooth University, in the 25 years since its establishment as an autonomous public university, are exceptional, and a source of great pride to the university community, staff, students and alumni. Maynooth University in 2024 ranked in the top 90 global Times Higher Education (THE) Young University rankings, placing 86th in the world. Maynooth University's growing global reputation is based on the originality, quality, importance and impact of its research and scholarship, commitment to teaching and learning, the quality of academic programmes, and its leadership in widening participation in higher education. The sources of success are the dedication of its staff and the energy and engagement of its students.

Maynooth University is a place of lively contrasts – a modern institution, dynamic, rapidly-growing, research-led and engaged, yet grounded in historic academic strengths and scholarly traditions. With over 15,000 students Maynooth offers a range of programmes at undergraduate, postgraduate and doctoral level in the humanities, science and engineering and social sciences, including business, law and education. The University also offers a range of international programmes and partnerships.

Maynooth's unique collegial culture fosters an interdisciplinary approach to research, which its world-class academics bring to bear in tackling some of the most fundamental challenges facing society today. The University's research institutes and centres consolidate and deliver this impact as vibrant communities of learning, discovery and creation. Research at Maynooth also is very much central to its teaching and the University prides itself on placing equal value on its research and teaching missions.

Maynooth University's Values

Our values define who we are, what we believe in and how we act as a community. They underpin our future success and guide our expectations of ourselves and each other. Our values apply to everyone in the University community:



- Integrity
- Collegiality
- Responsibility
- Freedom of expression
- Ambition

Maynooth University Strategic Plan 2023 – 2028

The University's Strategic Plan 2023 - 2028 builds on our rich academic history and strong foundations to set out an ambitious and forward-looking path for the future of our University. This roadmap underscores our commitment to adapt to a changing world while staying true to our values. Our vision is to be a university of excellence, opportunity and impact, having a significant stake in all three.

For more information about Maynooth University's future direction, please visit:
<https://strategy.maynoothuniversity.ie/>

Plean Straitéiseach Ollscoil Mhá Nuad 2023 - 2028

Tógann Plean Straitéiseach na hOllscoile 2023 - 2028 ar ár stair acadúil shaibhir agus ar ár mbunchlocha láidre chun conair uaillmhianach agus cheannródaíoch a leagadh amach do thodhchaí ár nOllscoile. Soiléiríonn an treochlár seo ár dtiomantas do dhul i dtaithe ar dhomhan atá ag síorathrú agus ár ngníomhaíochtaí a chur in oiriúint dó, agus san am céanna a bheith dílis dár luachanna Ollscoile. Is í an fhís atá againn a bheith mar ollscoil feabhais, deiseanna agus tionchair, agus lámh láidir a bheith againn i ngach ceann de na trí ghné seo.

Léigh anseo le haghaidh breis eolais faoi thodhchaí Ollscoil Mhá Nuad:
<https://strategy.maynoothuniversity.ie/?lang=ga>

Selection and Appointment

- Only shortlisted candidates will be invited to attend for interview;
- Appointments will be approved by the President based on the report of the selection board;
- It is anticipated that interviews will be held approximatively in the last two weeks of September/beginning of October 2025;
- The appointment is expected to be effective from 3rd February 2026

Equality and Diversity

Maynooth University actively works to ensure equality, celebrate the diversity of our community, and promote inclusion. To learn more about our commitment to Equality and Diversity, please read the Maynooth University Equality and Diversity Policy / Polasaí Comhionannais agus Éagsúlachta, our policy on the Employment of People with Disabilities, and our Gender Equality Action Plan 2023-2026. We aim to reflect the diversity of the community we serve and welcome applications from all individuals across our society.

Terms and Conditions

Tenure	This a full-time, permanent post	
Salary	Technical Officer	€46,652 - €61,087 p.a. (7 points)



	Appointments will be made in accordance with public sector pay provisions.
Hours of work	<p>A 37.5 -hour working week is in operation in respect of full-time positions (pro-rated for part-time positions).</p> <p>This can be reviewed or adjusted from time to time through national agreements.</p>
Location	The place of work is the campus of Maynooth University, Maynooth, Co. Kildare.
Annual Leave	<p>Annual leave and public holidays are provided for in the University policy: https://www.maynoothuniversity.ie/human-resources/policies/annual-leave-policy</p> <p>Annual leave will be allocated on a pro-rata basis for part-time and temporary positions.</p>
University policies and schemes	<p>Employees of the University will be subject to the terms of the University policies and schemes, available on the University website at:</p> <p>https://www.maynoothuniversity.ie/university-policies</p> <p>https://www.maynoothuniversity.ie/human-resources/policies</p>
Pension	<p>This is a pensionable post. Employees of the University will enter into a public sector pension scheme, and as such, applicants must ensure they are eligible to become a member of a public sector pension scheme for the duration of the appointment. Details of the public sector pension schemes are available at: https://www.maynoothuniversity.ie/human-resources/pension-information</p>
Eligibility	<p>Applicants should note that eligibility is determined by the Department of Enterprise, Trade and Employment. Further information regarding eligibility is available at: https://enterprise.gov.ie/en/what-we-do/workplace-and-skills/employment-permits/employment-permit-eligibility/</p> <p>Non-EEA applicants are responsible for ensuring they can secure a visa to travel to Ireland. Any offer of employment is conditional on applicants securing the appropriate employment permissions.</p> <p>Former Irish Public Service employees - Certain Restrictions on Eligibility</p> <p>Eligibility of applicants formerly employed by an Irish Public Sector body, and who availed of an Irish Public Service Redundancy or Incentivised Retirement Scheme under the Schemes below, may be affected:</p> <ul style="list-style-type: none"> • Collective Agreement: Redundancy Payments to Public Servants • Incentivised Scheme for Early Retirement (ISER) • Department of Health and Children Circular (7/2010) • Department of Environment, Community & Local Government (Circular Letter LG(P) 06/2013) <p>Applicants should ensure that they are eligible to be re-engaged in the Irish Public Service under the terms of such Schemes. Applicants should address queries with their former Irish Public Sector employer.</p>



Athena
Swan
Ireland



Athena
SWAN
Bronze Award

Garda vetting	Garda vetting or clearance may be required by the University.
Medical	The University may require a medical examination as a condition of employment.

Data Protection Law

Applications to the University will be treated in accordance with the University Data Protection Policies. For information on the University's Data Protection Policies and Privacy Notice, please see our website: <https://www.maynoothuniversity.ie/data-protection>

Application Procedure

Closing Date:

23:30hrs (local Irish time) on **Sunday 31st of August 2025**.

Please note all applications must be made via our **Online Recruitment Portal** at the following link:

<https://www.maynoothuniversity.ie/human-resources/vacancies>

Applications must be submitted by the closing date and time specified above. Any applications which are still in progress at the closing time on the specified closing date will be cancelled automatically by the system.

Late applications will not be accepted.

Maynooth University is an equal opportunities employer

The position is subject to the Statutes of the University

