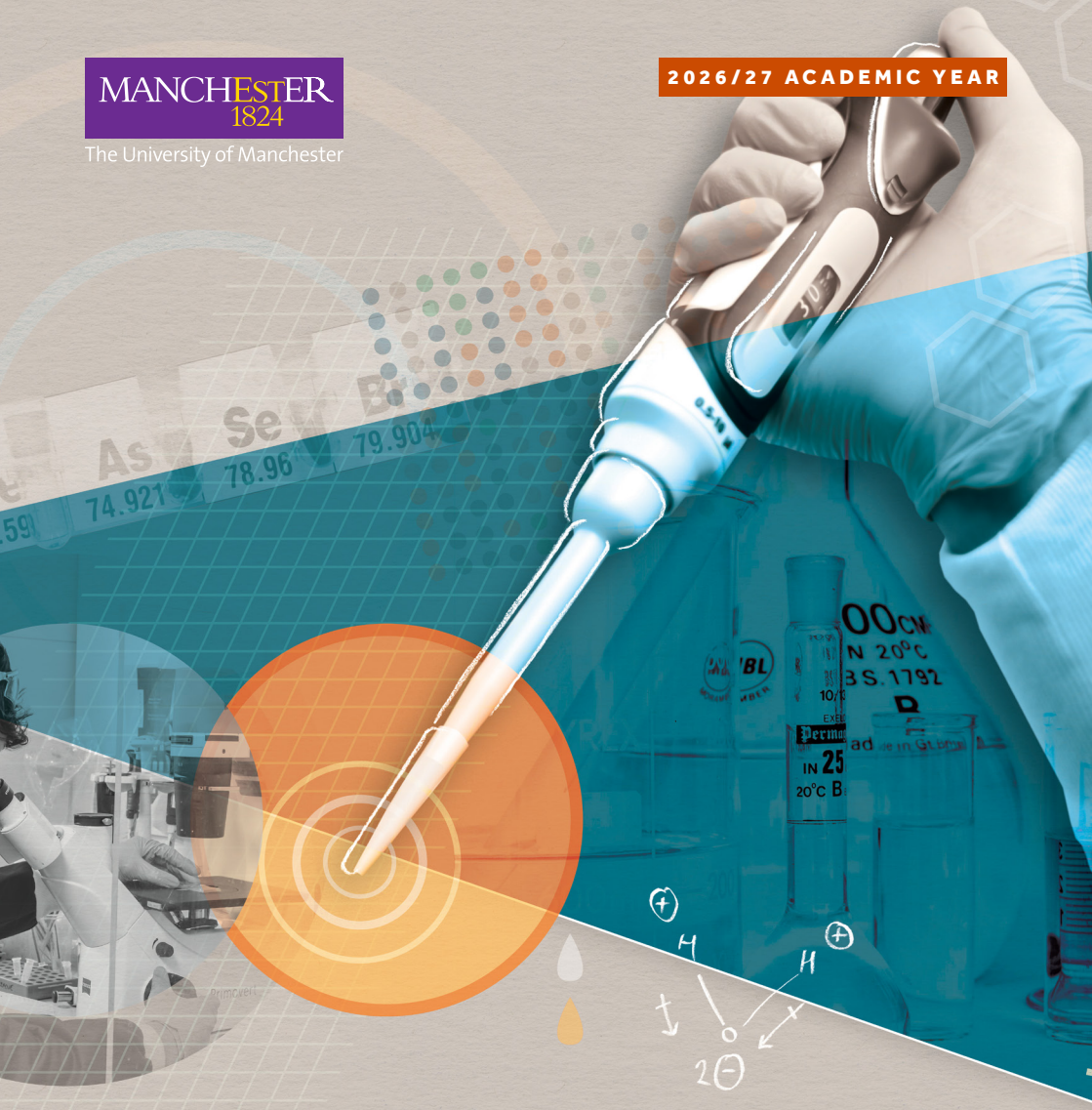
MANCHESTER 1824
The University of Manchester

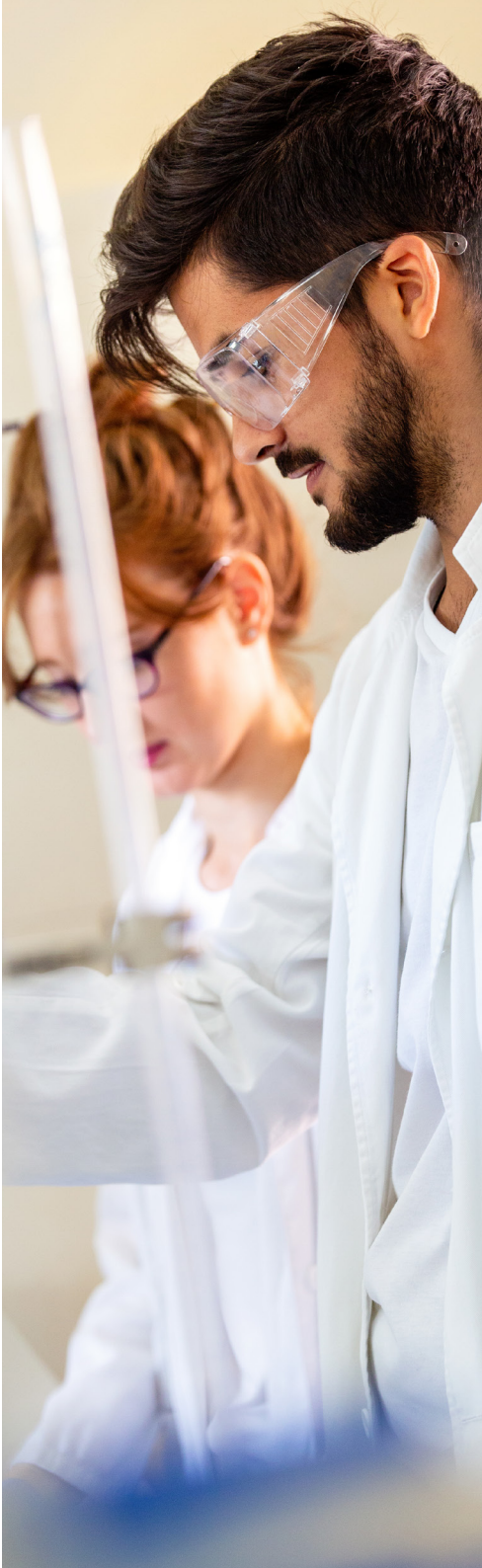
2026/27 ACADEMIC YEAR



MSc 100% ONLINE

ANALYTICAL CHEMISTRY AND MEASUREMENT SCIENCE

CONTENTS



COURSE OVERVIEW

This comprehensive online programme combines the technical knowledge and practical skills you need to become a broad-spectrum analytical chemist.

Stay ahead of the curve and advance your knowledge of sophisticated techniques including mass spectrometry, atomic and molecular spectroscopy and magnetic resonance.

MSc
PGDip
PGCert
CPD

Next enrolment:
September 2026

PRACTICAL APPROACH

Develop your practical problem-solving skills by analysing real-world data throughout your course and learning key techniques and knowledge.

3-26 months depending on qualification level

MSc
UK: £14,200
International: £20,000
(see page - for all fees)

91%

91% of our research was described as “world leading” or “internationally excellent” in the most recent Research Excellence Framework (REF).

Access video lectures, instructor-led online labs, tutorials and discussion forums

Approx. 20 hours per week part-time for MSc

TOP 10

The University of Manchester is ranked 4th in the UK and 6th in Europe for Chemistry (QS World University Rankings 2024).

Explore the Department of Chemistry ↗

Learn using the latest techniques and instrumentation.

24/7 library access

ACADEMIC'S VOICE

“

The aim of the Analytical Chemistry and Measurement Science course is to create a broad-spectrum and multifaceted analytical chemistry scientist, who is capable of using advanced analytical techniques across a wide range of industries.

DR ROSHILA MOODLEY

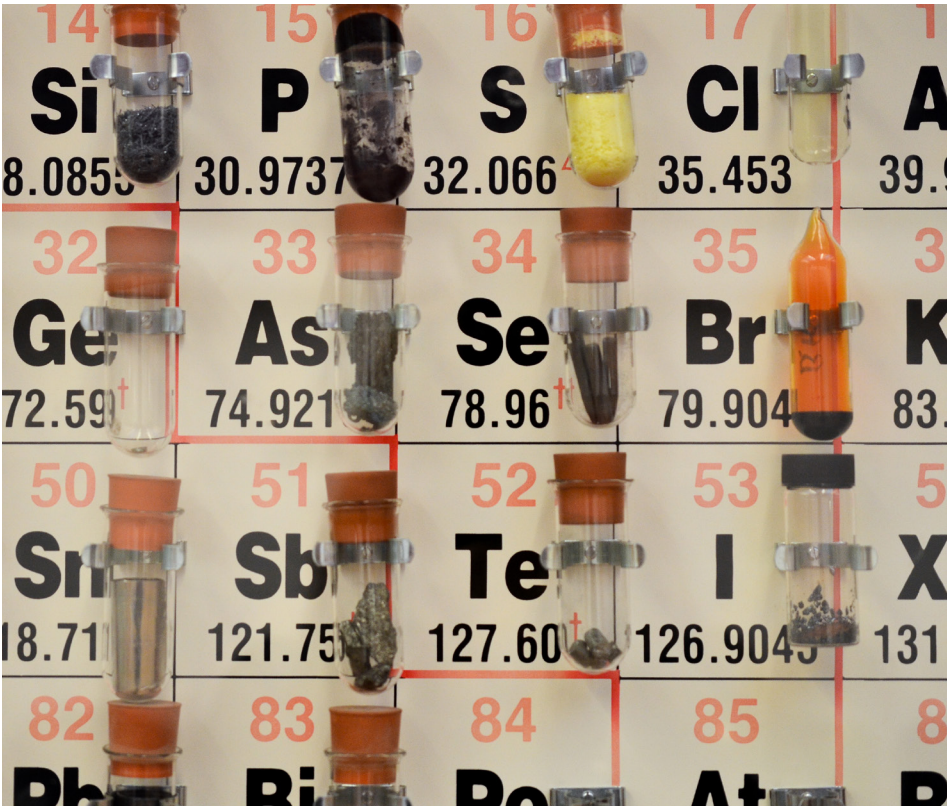
Course Director and Lecturer

WHO IS THIS COURSE FOR?

Whether you're looking to advance your knowledge within chemical sciences, improve your practical problem-solving skills or are looking to move into a lab-based role, this course will provide the theoretical and practical toolkit to advance your professional development.

The broad curriculum of the course means you will gain a comprehensive understanding of analytical chemistry techniques and instrumentation used across many sectors, and be able to apply them in your workplace, or to expand your role and progression.

This course is ideal for professionals already working in analytical chemistry and measurement science in various industries from environmental and chemical to pharmaceutical, clinical, food and education.



BENEFITS TO YOUR CAREER

Through this course, you will become a well-rounded chemistry analyst capable of selecting appropriate analysis techniques and procedures within the modern regulated environment as well as the research environment. The benefits you can gain from this course are:

- Start your journey to acquire Chartered Chemist (CChem) status as we support your continued professional development after completing the course.
- Gain high demand skills for both industry and academia to widen your current and future career prospects.
- Study classical and state-of-the-art, instrumentally based techniques such as atomic and molecular spectroscopy, chromatography and mass spectrometry
- Integrate your study and your work from day one to apply your learning into your chosen area of work immediately.
- Work collaboratively with your peers from across the world and gain a global insights and understanding.

Our graduates go on to build their careers across a range of areas including:

- Pharmaceuticals;
- Food Safety;
- Chemical Safety;
- Clinical Materials;
- Academic Research.

REAL-WORLD EXPERIENCE

Stay ahead of the curve and advance your knowledge of the increasingly sophisticated analytical chemistry and instrumental techniques with our flexible, multidisciplinary, practical course.

LEADING EXPERTISE

Learn from a team of accomplished academics who have extensive practical experience and lead on our prize-winning research.

APPLIED RESEARCH

Your final research project is a unique opportunity to integrate everything you've learnt during the course and apply it to a live challenge. If you're working in the sector, you'll be encouraged to engage with a pressing research question that's relevant to your job, and make an impact that matters.

PRACTICAL FOCUS

Real-world application and practical experience from the start will prepare you to take on real-life challenges in the world of work with ease, excel in your role and progress your career.

COURSE UNIT OVERVIEW

WHAT YOU WILL STUDY

Take a practical focus and develop your problem-solving skills by analysing real-world data and learning key knowledge and techniques. You will learn from a team of accomplished academics who have extensive practical experience and lead on our prize-winning research.

01

FUNDAMENTALS OF ANALYTICAL SCIENCE (20 CREDITS)

- Understand titrimetric and gravimetric analysis, selecting techniques based on accuracy and precision.
- Calculate analyte levels, interpret spectroscopic data and evaluate quality control data.
- Analyse data, prepare reports and collaborate

02

SEPARATION SCIENCE (20 CREDITS)

- Understand chromatography principles, instrumentation and method optimisation.
- Calculate separation efficiency, interpret chromatographic data, and justify technique selection.
- Model chromatographic processes, analyse data and communicate findings effectively.

03

MAGNETIC RESONANCE (20 CREDITS)

- Understand the principles, instrumentation and applications of NMR and EPR.
- Interpret spectral data, solve analytical problems and evaluate techniques.
- Analyse samples, apply MR methods and communicate findings effectively.

04

X-RAY TECHNIQUES - OPTIONAL (20 CREDITS)

- Understand X-ray generation, interactions with matter and key spectroscopic techniques.
- Interpret spectral data, analyse diffraction patterns and solve analytical problems.
- Apply X-ray methods, minimise errors and communicate findings effectively.

COURSE UNIT OVERVIEW

05

CHEMOMETRICS - (20 CREDITS)

- Understand chemometric techniques, including basic statistics, experimental design and multivariate analysis.
- Select appropriate methods, analyse data and optimise analytical procedures.
- Apply chemometric approaches, interpret results and communicate findings effectively.

06

MASS SPECTROMETRY (20 CREDITS)

- Understand mass spectrometry principles, ionisation methods and instrument operation.
- Interpret mass spectrometry data, select appropriate techniques, and solve analytical problems.
- Optimise experimental conditions, troubleshoot issues and communicate findings effectively.

07

ATOMIC AND MOLECULAR SPECTROSCOPY (20 CREDITS)

- Use atomic and molecular spectroscopy techniques, instrumentation and applications.
- Interpret spectral data, minimise interferences, and solve analytical problems.
- Analyse samples, apply spectroscopic methods, and communicate findings effectively.

08

PROJECT (60 CREDITS)

- This research-based project allows you to explore an area of analytical research, with the option to complete it in an industrial environment under joint supervision by an academic and industrial supervisor.

01 FUNDAMENTALS OF ANALYTICAL SCIENCE

UNIT 1: FUNDAMENTALS OF ANALYTICAL SCIENCE (20 CREDITS)

ABOUT THIS UNIT

This unit introduces the fundamental principles of analytical science and the key factors influencing analytical method selection.

You will explore the differences between classical and instrumental techniques, gaining practical knowledge of chromatography and spectroscopy. The course also covers essential calibration and validation procedures to ensure reliable and high-quality analytical data.

Delivered fully online, this unit combines video lectures, virtual practicals, interactive discussions, and workshops to reinforce learning. A strong emphasis is placed on processing and interpreting real analytical data, ensuring you develop hands-on experience in method selection and data validation.

LEARNING OUTCOMES

- Select appropriate analytical techniques based on key analytical figures of merit.
- Compare the accuracy and precision of classical and instrumental techniques.
- Interpret spectroscopic and chromatographic data to identify unknowns.
- Perform data validation and calculate key analytical parameters such as limits of detection and quanitification.
- Construct and critically evaluate quality control data and analytical reports.
- Develop communication and collaboration skills through online discussions and practical exercises.

KEY INFORMATION

200 hours total study time (approx. 20 hours study time per week)

Fully online with a mix of video lectures, virtual practicals and interactive discussions

Assessments through quizzes, practical exercises, reports and a reflective essay

Academic Lead: Dr Roshila Moodley

02 SEPARATION SCIENCE

UNIT 2: SEPARATION SCIENCE (20 CREDITS)

ABOUT THIS UNIT

This unit provides a comprehensive introduction to separation science, focusing on chromatographic techniques used in analytical chemistry.

You will explore the fundamental principles of chromatographic separations, gain an in-depth understanding of gas and liquid chromatography, and learn how to optimise separation efficiency. The unit also covers key instrumentation and detector technologies, preparing you to select the most suitable methodologies for different analytical challenges.

Delivered fully online, this course integrates video lectures, interactive discussions, tutorials, and virtual lab exercises to reinforce practical and theoretical knowledge.

LEARNING OUTCOMES

- Describe the fundamental principles and mechanisms of chromatographic separations.
- Understand the instrumentation and methodology behind gas and liquid chromatography.
- Calculate separation efficiency and predict performance changes under varying conditions.
- Justify the selection of chromatographic methodologies in published research.
- Critically evaluate chromatographic methodologies in published research.
- Perform and interpret chromatographic simulations to optimise separation processes.

KEY INFORMATION

200 hours total study time (approx. 20 hours per week)

Includes teaching through video lectures, interactive discussions, virtual lab exercises and tutorials

Assessments through online quizzes, virtual practicals, lab reports and research articles

Academic Lead: Prof Nick Lockyer

03 MAGNETIC RESONANCE

UNIT 3: MAGNETIC RESONANCE (20 CREDITS)

ABOUT THIS UNIT

This unit provides a detailed exploration of Nuclear Magnetic Resonance (NMR) and Electron Paramagnetic Resonance (EPR) spectroscopy, covering their theoretical foundations, instrumentation, and analytical applications.

You will gain a deep understanding of spectral interpretation, experimental techniques, and the use of magnetic resonance methods in chemistry, biology, and materials science. The unit is divided into two main sections: NMR (60%) and EPR (40%), with a focus on both solution-state and solid-state applications.

Through video lectures, discussions, problem-solving exercises, and data analysis tasks, you will develop the skills needed to apply these powerful techniques in real-world analytical challenges.

LEARNING OUTCOMES

- Explain the fundamental principles of NMR and EPR spectroscopy.
- Describe the theoretical and instrumental basis of each technique, including data acquisition and interpretation.
- Compare and evaluate different magnetic resonance methods for specific applications.
- Solve analytical problems using NMR and EPR data.
- Interpret and identify molecular structures from magnetic resonance spectra.
- Critically assess published research on magnetic resonance techniques.

KEY INFORMATION

200 hours total study time (approx. 20 hours per week part-time)

Includes 25 hours of teaching through lectures, tutorials, seminars and workshops

Assessments include online tests, video practical and critical assessment essays

Academic Lead: Prof Mathias Nilsson and Prof Eric McInnes

04 X-RAY TECHNIQUES

UNIT 4: X-RAY TECHNIQUES (OPTIONAL) (20 CREDITS)

ABOUT THIS UNIT

This unit provides a comprehensive understanding of X-ray techniques used in analytical science, covering fundamental principles, instrumentation, and applications.

You will explore the interaction of X-rays with matter, methods of X-ray generation, and key analytical techniques such as X-ray crystallography, X-ray absorption and emission spectroscopy, and X-ray photoelectron spectroscopy (XPS). The unit also introduces synchrotron-based X-ray methods and their role in research and industry.

Through video lectures, discussions, data analysis exercises, and practical problem-solving, you will develop the skills needed to apply X-ray techniques to qualitative and quantitative analysis in chemistry and materials science.

LEARNING OUTCOMES

- Explain the fundamental principles of X-ray generation and its interaction with matter.
- Describe the theoretical and instrumental basis of X-ray spectroscopic and diffraction techniques.
- Perform and interpret powder diffraction experiments, including data analysis.
- Identify and mitigate sources of interference and errors in X-ray techniques.
- Analyse X-ray Absorption Near Edge Spectroscopy (XANES) data to determine coordination geometry, valence, and spin states of transition metals.
- Select and apply appropriate X-ray spectroscopic techniques to solve analytical problems.
- Calculate unknown analyte concentrations using X-ray spectroscopic data.

KEY INFORMATION

200 hours total study time (approx. 20 hours per week part-time)

Includes 25 hours of teaching including video lectures, tutorials and practical sessions

Assessments include virtual practical exercises and online quizzes

Academic Lead: Dr Michael Baker and Dr Alex Walton

05 CHEMOMETRICS

UNIT 5: CHEMOMETRICS (OPTIONAL) (20 CREDITS)

ABOUT THIS UNIT

This unit provides a comprehensive introduction to chemometric techniques used in analytical science, covering statistical methods, multivariate analysis, and experimental design.

You will explore key concepts such as hypothesis testing, significance testing, Bayesian statistics, and design of experiments (DoE) to optimize analytical workflows. The unit also introduces supervised and unsupervised machine learning techniques, including principal component analysis (PCA), clustering, support vector machines (SVM), and neural networks.

Through video lectures, discussions, coding exercises in R, and problem-solving tasks, you will develop the skills to apply chemometric techniques to real-world analytical data, including spectroscopy and mass spectrometry datasets.

LEARNING OUTCOMES

- Explain fundamental statistical concepts and their applications in analytical science.
- Design and optimize experiments using DoE techniques such as ANOVA and factorial designs.
- Validate chemometric models using cross-validation, bootstrapping, and permutation testing.
- Use supervised learning methods such as logistic regression, partial least squares, and k-nearest neighbors for classification and regression tasks.
- Implement chemometric data analysis workflows using R programming.

KEY INFORMATION

200hours total study time (approx. 20 hours per week part-time)

Includes 25 hours teaching through video lectures and tutorials

Assessments include online quizzes, coding exercises and online discussions

Academic Lead: Dr Drupad Trivedi and Dr Andrew Almond

06 MASS SPECTROMETRY

UNIT 6: MASS SPECTROMETRY (20 CREDITS)

ABOUT THIS UNIT

This unit provides a comprehensive understanding of mass spectrometry, covering its fundamental principles, instrumentation, and analytical applications.

You will explore the key components of mass spectrometers, learn about ionisation techniques, and understand how mass analysers separate and identify compounds. The course also introduces tandem mass spectrometry, fragmentation mechanisms, and the hyphenation of chromatography with mass spectrometry (LC-MS and GC-MS).

Through video lectures, online discussions, practical exercises, and data interpretation tasks, you will develop the skills needed to analyse and interpret mass spectral data in chemical and biological contexts.

LEARNING OUTCOMES

- Describe the components of a mass spectrometer and explain their roles in analysis.
- Understand the principles of ionisation methods and their applications to different analytes.
- Interpret mass spectrometry data, including charge states, isotopes and fragmentation patterns.
- Critically assess hyphenated mass spectrometry methods and their analytical benefits.
- Apply mass spectrometry techniques to chemical and biological sample analysis
- Evaluate published mass spectrometry studies and assess their methodologies.

KEY INFORMATION

200 hours total study time (approx. 20 hours per week)

Includes teaching through video lectures, virtual lab exercises and data analysis tasks

Assessments through online tests, presentation and reports

Academic Lead: Prof Perdita Barran

07 ATOMIC AND MOLECULAR SPECTROSCOPY

UNIT 7: ATOMIC AND MOLECULAR SPECTROSCOPY (20 CREDITS)

ABOUT THIS UNIT

This unit provides a comprehensive understanding of atomic and molecular spectroscopy, covering both theoretical principles and practical applications.

You will explore key spectroscopic techniques, including atomic absorption and emission, UV-visible, infrared (IR), Raman, and fluorescence spectroscopy. The unit delves into instrumentation, sample preparation, data acquisition, and methods for minimising errors and interferences.

Through video lectures, interactive discussions, and problem-solving exercises, you will develop the expertise needed to apply spectroscopic techniques to qualitative and quantitative analysis in analytical science.

LEARNING OUTCOMES

- Describe the principles of key atomic and molecular spectroscopic techniques.
- Explain the instrumentation, sample preparation, and data acquisition for each method.
- Identify and mitigate sources of interference and errors in spectroscopic data.
- Compare and evaluate commercially available spectroscopy systems.
- Interpret spectroscopic data to determine molecular structures and concentrations.
- Select appropriate spectroscopic techniques for real-world analytical problems.

KEY INFORMATION

200 hours total study time (approx. 20 hours per week)

Includes 25 hours teaching through tutorials, seminars and workshops

Assessments include online tests, reports, literature review and reflective journals

Academic Lead: Professor Andrew Horn and Dr Roshila Moodley

08 PROJECT

PROJECT (60 CREDITS)

ABOUT THIS UNIT

This unit provides you with the opportunity to undertake a substantial independent research project in analytical science, either at your workplace or in an academic setting.

With guidance from academic and (where applicable) industrial supervisors, you will develop expertise in designing and executing a research study, conducting literature reviews, and applying appropriate analytical techniques. The unit also focuses on scientific communication, requiring you to produce a detailed research report and defend your findings in a formal oral examination.

Video lectures, online discussions, and supervisory meetings will support you throughout the project.

LEARNING OUTCOMES

- Identify an appropriate analytical technique based on literature research.
- Critically evaluate existing research and assess the merits of different analytical approaches.
- Interpret and validate analytical data, including figures of merit and quality control parameters.
- Operate and troubleshoot advanced analytical techniques.
- Plan, execute, and manage a research project with a high degree of autonomy.
- Communicate findings effectively through a detailed scientific report and oral presentations.
- Defend research decisions and conclusions in an oral examination (viva voce).

KEY INFORMATION

600 hours total study time (approx. 20 hours per week part-time)

Includes 20 hours of video lectures, 10 hours of online discussions and regular meetings with your supervisor.

Assessment is based on a written research project and oral presentation

Academic Lead: Variable dependent on your project

STUDY TIMELINE

Part-time | 26 months

September — November

01

FUNDAMENTALS OF ANALYTICAL SCIENCE (20 CREDITS)

YEAR 1

December — February

02

SEPARATION SCIENCE (20 CREDITS)

YEAR 1

February — May

03

MAGNETIC RESONANCE (20 CREDITS)

YEAR 1

May — September

04

X-RAY TECHNIQUES- OPTIONAL (20 CREDITS)

YEAR 1

May — September

05

CHEMOMETRICS - OPTIONAL (20 CREDITS)

YEAR 1

September — November

06

MASS SPECTROMETRY (20 CREDITS)

YEAR 2

December — February

07

ATOMIC AND MOLECULAR SPECTROSCOPY (20 CREDITS)

YEAR 2

February — November

08

PROJECT (60 CREDITS)

YEAR 2

Although the order of units is scheduled in advance, it may be subject to occasional adjustments.

ONLINE LEARNING AT A GLANCE

TEACHING EXCELLENCE

Our online courses are created and taught by the same established scholars as our on-campus options.

FLEXIBILITY

Online learning offers much more flexibility than traditional on-campus study, which makes it the perfect fit for working professionals.

HIGH QUALITY RESOURCES

You will have access to the same range of excellent facilities as on-campus students.

AN ONLINE COMMUNITY

Our virtual learning environment provides an opportunity to discuss and collaborate with your peers and academics with interactive features.

A GLOBAL APPROACH

Online learning at The University of Manchester is designed to be accessed by students from around the globe.

ONLINE LEARNING IN PRACTICE

Online learning can help you to access the excellence of The University of Manchester from anywhere in the world. The online model is ideal for working professionals who want to study alongside their careers and other commitments by offering flexible, part-time study.

FIND OUT MORE ABOUT ONLINE LEARNING ↗

VIRTUAL LEARNING ENVIRONMENT

Our online, postgraduate courses are taught using a virtual learning environment. This is home to all of the teaching on your course including lectures tutorials, videos and more as well as all learning materials such as reading, discussion boards and journals.

FLEXIBILITY AND TIMETABLING

Our online, part-time postgraduate courses give you the opportunity to take full responsibility for your studies so you can fit learning around your life.

There are live tutorials online, however, we understand attendance to these will not always be possible around a busy work schedule, so they are recorded for you to watch at a time that suits you.

All the resources you require for your studies are available to you 24/7 so you can adjust your studies to fit around your work and personal life.

TECHNICAL REQUIREMENTS

Upon receiving an offer you will be asked to confirm that you can meet the following technical requirements for successful completion of the course:

- An average of 15-20 hours available to devote to studying each week.
- Regular access to a computer with internet speeds fast enough to run video conferencing and stream video lectures.
- A computer that meets the software requirements of video conferencing and other software, broadband internet connection, desktop or laptop PC with windows 10 or later, 4GB RAM, 6GB disk space for installation (administrator rights are required to install software).
- Some courses will also require you to download relevant software - you will be provided access to this.
- A smart phone on Android 11.0 or greater, or iOS 11.0 or greater, as you'll need to authenticate your credentials to access your learning materials.

APPLICATION AND ADMISSIONS

APPLICATION DEADLINE:
24 August 2026

COURSE START DATE:
7 September 2026

ENTRY REQUIREMENTS

We require a First or Second class honours degree, or the overseas equivalent in chemistry or course with a major analytical analysis/chemistry component.

If you do not have a 2:1, but have relevant work experience you may be considered.

If you are an international student, and are looking for a general guide on entry and language requirements for your country please visit our country specific information pages.

ENGLISH LANGUAGE REQUIREMENTS

If you are not from or did not graduate from a majority English speaking country, we will also require proof of your English language ability. If you already have an English language qualification, please include your certificate with your application.

We accept an IELTS academic test score of 6.5 overall with no component score below 6.0, or equivalent. Discover more about English language requirements here.

WHAT TO SUBMIT WITH YOUR APPLICATION

When applying for this course you will be required to submit the following:

+ Copies of official degree certificates and transcripts of your previous study, showing the subjects taken and grades obtained. If these documents are in languages other than English, please provide official translations in addition to your official certificates and transcripts.
+ English language score report (if applicable) or alternative evidence to demonstrate English language competency.
+ A copy of your CV detailing your full work experience.
+ A personal statement of up to 500 words, addressing the following questions:
  - What attracts you to this course?
  - What do you hope to gain from this course and how will it help you achieve your goals?

BEGIN YOUR APPLICATION ↗

FEES AND FUNDING

TUITION FEES

- MSc UK: £14,200 | International: £20,000
- PGDip UK: £9,467 | International: £13,333
- PGCert UK: £4,733 | International: £6,667
- CPD UK: £1,578 | International: £2,222

HOW TO FUND YOUR COURSE

Funding your online course is a key consideration when looking to begin your academic journey and your individual circumstances will determine how you can fund your studies.

Whilst funding options for online postgraduate taught courses are not as numerous as those for undergraduate and PhD study, there are still a variety of options to explore for your online course including:

- Postgraduate loans
- Employer funding
- Self-funding
- Scholarships
- Tuition discounts ↗

EXPLORE FUNDING OPTIONS ↗

JENNY'S STORY

Jenny - a Principal Applications Chemist for laboratory instrument and software company Waters Corporation - found the online master's in Analytical Chemistry and Measurement Science to be an invaluable addition to her professional development.

"Straight away the information and concepts on the course are relevant to the sector so the professional development is intrinsic. The use of real environmental situations and field research data is highly applicable and help to underpin the examples covered. This will continue through the duration of the course with increased use of industry relevant software packages, monitoring equipment and project management skills.

"Straight away the information and concepts on the course are relevant to the sector so the professional development is intrinsic."

The flexibility of online study is a huge benefit alongside not having the additional commute to Manchester from home to attend lectures. This maximises my available time during the week allowing studies to seamlessly compliment my work and family commitments. The freedom to access course material and complete practical and coursework when it suits me is vital. Additionally, the delivery and teaching methods used keep the course engaging and interest high. There is always support available from either the unit lecturers, course director or wider SEED team and communication platforms to discuss course material with other students so I never feel lost or disconnected.

Immediately the course tackles real-world issues framed in relevant and applicable national and international case studies which have given me a good background knowledge of some of the themes which I encounter in the workplace. The skills gained in modelling applied to pollutant mobility, flood hydrology and atmospheric systems will all become invaluable in the future."

Course highlights:

- Online, flexible working
- Freedom to access course material at a time that works for you
- Industry-relevant
- Academic and peer support
- Real-world applicable teaching, knowledge and skills.

STUDENT STORY

"I wanted to broaden my knowledge and learn about the brand new, exciting technologies out there. I wanted to understand technologies that I hadn't been exposed to in my career so far. And I also wanted to gain the tools to train others to use new technologies – which is a big part of my current job."

JENNY DAVIES

Principal Applications Chemist,
Waters Corporation

Waters™

WHY THE UNIVERSITY OF MANCHESTER?

AN INTERNATIONALLY RENOWNED UNIVERSITY

In the Academic Ranking of World Universities (2024), the University is placed:

- 6th in the UK;
- 15th in Europe;
- 52nd in the world.

WORLD-CLASS RESEARCH

The University of Manchester's research beacons are examples of pioneering discoveries, interdisciplinary collaboration and cross-sector partnerships that are tackling some of the biggest questions facing the planet.

OUTSTANDING TEACHING

This quality of research feeds into our taught courses,many of which are also designed to meet the needs of industry.

SOCIAL RESPONSIBILITY

We were the first university in the UK to set social responsibility as a core goal - this is reflected in our commitment to the UN Sustainable Development Goals.

GLOBAL INFLUENCE

There are more than 170 nationalities among our student population and our range of online and blended learning courses enable a global audience to benefit from a Manchester education.

Much of our research has a global impact, in areas including health and wellbeing, climate change, international trade and cohesive communities.

We also have agreements with a host of international institutions and organisations that inform our global approach to research and education.

SUPPORT AND SERVICES

As a student of The University of Manchester, you will receive full access to our facilities and resources such as the online library, careers service and wellbeing support. Many of these services offer personalised support and 24/7 access, and are all accessible to our global community.

SUSTAINABLE DEVELOPMENT GOALS

The 17 Sustainable Development Goals (SDGs) are the world's call to action on the most pressing challenges facing humanity and the natural world, and we're playing a leading role in tackling them. The University of Manchester is proud to be ranked 2nd worldwide for action on the UN Sustainable Development Goals (Times Impact Rankings 2024).

Manchester has received global recognition for our action taken towards achieving the United Nations Sustainable Development Goals. To illustrate how our teaching will empower you as a change maker, we've highlighted the key SDGs that this course addresses:

GOAL 2

Ensure access to safe and reliable food sources for all.

GOAL 3

Ensure healthy lives and promote wellbeing for all at all ages.

GOAL 13

Take urgent action to combat climate change and its impacts.

GOAL 15

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

BECOME A BROAD-SPECTRUM ANALYTICAL CHEMIST

manchester.ac.uk/analyticalchemistry

studyonline@manchester.ac.uk

BEGIN YOUR APPLICATION ↗

This brochure is prepared in advance of the entry dates it relates to and all information is accurate at the time of publication (October 2025).