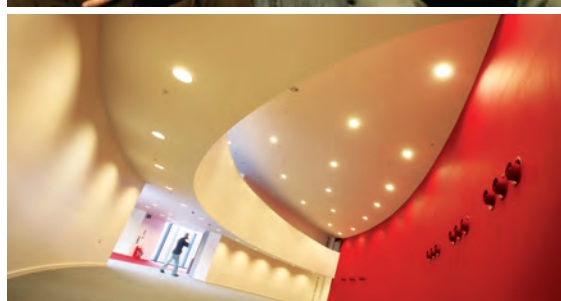


Economics



'Research here has a pedigree of its own...'

The Virgin Alternative Guide to British Universities



The University of Manchester...

- carries out research in a wider range of academic areas than any other UK university
- attracted around £266 million in research funding in the last year
- has more than 5,800 academic and research staff
- has completed the largest and most ambitious buildings and investment programme ever seen in British higher education – more than £400 million to date and a further £250 million by 2015
- has one of the largest and best resourced academic libraries in the country
- has a careers service that has been voted the best in the UK for five consecutive years
- is the most targeted university by the UK's top 100 graduate employers
- enjoys the best of both worlds: city life and campus community

There has never been a better time to be part of The University of Manchester. Choose to be a postgraduate student here and you can join us in achieving our ambitious goals for the future.

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The University of Manchester



Come and join one of Britain's most famous and forward-thinking universities, with a rich heritage stretching back 180 years and an exciting agenda for the future...

The birth of the computer, the splitting of the atom, the founding principles of modern economics – these and many more world-altering innovations have their roots at The University of Manchester. Today, our international research centres produce answers to global problems that truly change lives.

Famous for cutting-edge innovation and based in one of the world's most exciting student cities, The University of Manchester offers you excellent prospects. Our aim to become one of the world's top 25 universities – attracting the best tutors, researchers, students and reputation – is backed by British higher education's most ambitious capital building programme, an investment of more than £650 million by 2015.

Research, discovery and innovation

The 2008 Research Assessment Exercise placed us third in the UK in terms of "research power" and assessed virtually all of our research as reaching international or national standards of excellence. We research in a wider range of areas than any other UK university, and are continuing to increase our number of first-rate professorships, improve our strong links to industry and public services, and invest in world-class facilities.

Whether studying for a taught or research postgraduate degree, you'll be directly involved with groundbreaking research, encouraged to adopt innovative approaches and discover interdisciplinary ways of working that open up exciting new areas of discovery.

Turning knowledge into enterprise

Your postgraduate work could contribute towards business and economic development outside academia. Manchester has an impressive track record of turning ideas into commercial reality, attracting

world-class academics by providing a dynamic, first-class support system for them to participate and succeed in commercialisation projects. More than 100 'spin-out' companies have been created in recent years based on our current research.

Career opportunities

As a Manchester graduate you will be in good company: 23 Nobel Prize winners have worked or studied here, and our alumni have an impressive track record of becoming leaders in their fields, from philosopher Wittgenstein to women's rights campaigner Christabel Pankhurst, and from Sir Terry Leahy, Chief Executive of Tesco, to George Richards, President of Trinidad and Tobago.

More than 4,000 recruiters each year from countries around the globe target our graduates. Consistently voted the best in the UK by employers, our Careers Service offers diverse practical, innovative services and events – many exclusively for postgraduates – to make you more employable.

Cosmopolitan campus

One of the UK's largest and best-resourced academic libraries, premier IT services and extensive student support services are all on our campus, along with impressive sports facilities, restaurants, bars, cafés and a shopping centre. Campus-based cultural attractions include The Manchester Museum, Whitworth Art Gallery and Contact Theatre, with the University's Jodrell Bank Observatory based further afield in Macclesfield. Europe's largest Students' Union provides excellent support services, hundreds of active student societies and four live venues, including the famous Academy, attracting the best big name and upcoming bands.



Economics at Manchester



The University of Manchester justifiably enjoys a distinguished reputation for our economics research across all areas of the discipline.

Quality and heritage

As confirmed by the 2008 Research Assessment Exercise (RAE), we are in the top ten of UK Economics departments, with international recognition for the quality of all our research activity. Our research excellence encompasses all the core areas of microeconomics, macroeconomics and econometrics, including development and environmental economics.

Manchester is also one of the oldest centres for the study of economics in the UK, with a Chair in Political Economy established in 1854. Since then, many famous names in economics have worked in Manchester, including three Nobel prize winners (Sir John Hicks, 1938-46, Sir Arthur Lewis, 1948-58, and Professor Joseph Stiglitz, current Head of the Brooks World Poverty Institute). The first UK Chair in Econometrics was established at Manchester in the 1960s, and held by Jack Johnston who founded the first Department of Econometrics.

The discipline area of Economics is part of the School of Social Sciences. Aggregating the 2008 RAE results across the five main discipline areas of the School of Social Sciences and comparing these with other UK universities, the School ranks third in the UK, making it one of the leading international research schools in the Social Sciences.

Key research areas

In recent years, Economics at Manchester has developed leading international research agendas in the following five broad areas:

- Microeconomics and Mathematical Economics
- Macroeconomics, Growth and Development
- Econometrics and Applied Economics
- Environmental and Resource Economics
- Development Economics and Policy

The first four are the principal research groups within Economics. The fifth area draws together interdisciplinary researchers in Economics and the Institute of Development Policy and Management, within the School of Environment and Development.

A small number of staff research justice and property rights in 17th and 18th century thought, the history of economic and political thought, post-Keynesian economics and critical realism.

Economics is home to the Centre of Growth and Business Cycle Research (co-directed by Pierre-Richard Agenor, Keith Blackburn and Denise Osborn). In addition, a number of staff are associated with the various other Research Centres at the university, including the Brooks World Poverty Institute, the Sustainable Consumption Institute and the Centre for Chinese Studies.

All in all, Economics in Manchester has the capacity to provide first-class postgraduate training and supervision in the core and specialist areas of the discipline. Research students are an integral part of our research activity and students registered for PhD or MPhil degrees are provided with desk space in the heart of the Economics office area.

Postgraduate training

Given our long tradition of postgraduate education informed by research, Economics attracts a large number of graduate students from around the world.

You can enjoy a very large postgraduate programme here, comprising one diploma course, five masters courses of our own, a further seven masters courses shared with other discipline areas and a doctoral programme.

In any given year, there are more than 100 postgraduate students; upon graduation, they typically attain positions of responsibility and eminence in government, industry, commerce and education, both in the UK and overseas.

The MSc degrees in Economics, Economics and Econometrics, and Econometrics all received ESRC recognition in 2006/7.

New doctoral training

The University of Manchester is currently establishing a Doctoral Training Centre in the Social Sciences. Much of this framework will be in place for those students starting on a doctorate in the autumn of 2010.

As part of this development, Economics is moving toward a four-year doctoral programme that involves two years of training and two years of research. The first year of core training will build on our well-established masters courses, while the second year of advanced training will involve specialist doctoral programme course units and require you to formulate a research proposal. If you have an appropriate MSc qualification, you may be allowed to enter the programme in year two, in effect having your MSc count as the first year of coursework for the PhD.

Funding possibilities for the PhD programme typically cover three years of research training, and most studentships are allocated to students who achieve a Distinction on one of our MSc courses. However, UK and EU students are eligible to apply through us for support from the Economic and Social Research Council for all four years of the programme. Demand for funds is strong and in the first instance applicants must successfully apply for a place on our doctoral programme. Clearly indicate on your application if you wish to be considered for funding.

programme details

research programmes

Our research programmes comprise:

- Doctor of Philosophy (PhD), three or four-year programme
- MPhil in Economics, one-year programme

The award of these degrees requires the submission of a thesis based on a supervised programme of original research.

The research programmes aim to provide you with a rigorous research training that will not only facilitate your research on your chosen thesis topics, but also provide you with a good grounding in research methods. This will allow you, on completion of the programme, to undertake research on a broad range of subjects within the economics discipline.

Doctor of Philosophy (PhD)

A PhD is awarded in recognition of the successful completion of a programme of supervised research, culminating in a thesis, which demonstrates originality and critical judgement. You defend the thesis in an oral examination and it must be judged by the board of examiners, including at least one external examiner.

This exam is the culmination of a training programme for which, if attending on a full-time basis, you are generally registered for a period of three or four years, depending on the stage of entry.

Registration for a PhD programme on a part-time basis is for a minimum of four years, if no further training is required. Initial registration normally takes place in mid-September, but entry at other times is also permitted.

For students who enter the PhD in 2010 and subsequently, dedicated taught PhD level course units will be provided in each of our five areas of research. These course units will build on material taught at MSc level and help you to appreciate the current research questions in your area of interest.

Your research area

When you apply, you are asked to identify a general area of potential interest for your research to help us assign a member of staff as your tutor. While this choice of area is not binding, you should be aware that members of staff are only expected to provide supervision in areas that are of interest to them and admittance to the programme does not imply the provision of supervision on any topic devised by the student.

In the second year of coursework (or the first year if entry is to the three-year programme), you will focus on your area of research and, through interactions with staff, develop the research questions for your PhD. These interactions will also lead to the formation of a supervisory team, typically consisting of two or three members.

Research interests and recent publications of members of staff are available on the web and highlight the diversity of areas in which we can provide expert supervision. It is anticipated that you will work in an area close to research interests of supervisors. Further details on members of staff and their research areas can be found on the Economics section of the School's web pages:

www.manchester.ac.uk/socialsciences/disciplines/economics/about/staff

Before applying for a PhD, you are strongly advised to seek information on the ongoing research here in Economics.

Programme structure:

Year 1

All PhD students in Economics are members of the School of Social Sciences.

The School provides courses in IT skills, personal transferable skills and tutor training, to enhance your basic research skills. We supplement the IT skills course by offering training in relevant econometrics packages, and supplement the tutor training with an "in-house" contribution.

On a four-year programme, your first year involves selected course units from our masters courses in quantitative techniques, economic theory, economic methodology, or in particular applied areas. These are taught by Economics. Depending on your research interest, you may also take masters level course units in allied disciplines, subject to the approval of the PhD programme director.

In order to progress beyond the first year of coursework, you must attain a required level of performance in the assessed course units. If you have completed a comparable training in Economics and attain high marks in all core topics of microeconomics, macroeconomics and quantitative methods, you may be allowed to enter directly into the second year of our programme.

Year 2

You take specially designed PhD level course units in your area of research interest. You may also take more advanced masters level course units in Economics or allied disciplines, subject to the approval of the PhD programme director. You also take Research Skills for Economists, as part of which you must both write an extended essay and make a short seminar presentation on some initial research material. This leads into your research proposal (see below).

In order to progress beyond the second year of coursework, you must attain a required level of performance in the assessed course units and also have your research proposal approved by the Research Degrees Review Panel. In practice, the assessment procedure for the proposal is as follows. You write up a proposal document that identifies the research questions and the methods used to obtain answers. This proposal is evaluated on the basis of both the written document and an oral presentation by both the potential supervisors and also two other members of staff. These evaluations are submitted to the Research Degrees Review Panel.

Years 3 and 4: Thesis

Your activities are focused mainly on your research and on the writing of the thesis. You will also be drafting two or three journal publications. In both years, you make a seminar presentation to our PhD Conference (in April/May). In the fourth year, you will also present a full seminar to the appropriate research group seminar series.

MPhil by Thesis

This programme is under review as the University's Doctoral Training Centre evolves and Economics moves toward its four-year doctoral programme. It is a two-year course of training and research. If you think such a programme meets your requirements, please contact the School or the PGR director in Economics to discuss this option.

Entry requirements

- For entrance to our four-year programme, you will normally be expected to have achieved a high level of performance in an undergraduate and/or a postgraduate programme in economics that provides a sound training in microeconomics, macroeconomics and econometrics equivalent to at least an Upper Second class Honours in the BEconSc degree at Manchester.

- To enter into the second year of our programme, you will normally be expected to have achieved a high level of performance in a postgraduate programme in economics that offers a comparable training to one of the following programmes offered by Economics at Manchester: MSc in Economics, MSc in Economics and Econometrics, or MSc in Econometrics. Entry from other courses is considered on a case-by-case basis.

In both cases, detailed transcripts and further information on course unit details will help your application.

Study resources and facilities

Computing resources

The Arthur Lewis Building has a dedicated area in the atrium with computer terminals that is accessible to taught postgraduate students 24/7. There is also a study area, which has some computers and wireless access, but is mainly an area for reading and studying.

Research postgraduate students have access to desks and computers adjacent to their discipline areas higher up the building.

Library facilities

The John Rylands University Library is one of the largest and best-resourced academic libraries in the UK. It is a member of CALIM, the Consortium of Academic Libraries in Manchester, which enables you to use the libraries of all the other participating universities in Manchester. Upon registration you receive a library card, which allows you to access the library, borrow books and use the online information resources. The library is only a few minutes walk from the Arthur Lewis building and has extensive opening hours and borrowing facilities.

The library's resources are catalogued and can be searched for online. In addition, a huge range of journals is available electronically through the library. It also offers an inter-library loans service, which can be used to obtain books or articles that are not available from one of the University's libraries.

Other facilities

Photocopying is available in the John Rylands University Library. Social facilities include the Postgraduate Society on Burlington Street.



programme details

taught courses

Taught course options

Economics offers a number of specialist taught postgraduate courses, which aim to a) provide you with a rigorous, advanced training in the subject area, b) produce researchers of a standard suitable to continue to doctoral work in that area, and c) produce professional economists, well qualified to take up employment in the public or private sectors. These are:

- MA in Economics
- MSc in Economics
- MSc in Economics (Environmental Economics pathway)
- MSc in Economics and Econometrics
- MSc in Econometrics
- MSc in Financial Economics
- PGDip in Economics

These degree courses are made up of taught course units. As one of the UK's largest departments of economics, we are fortunate to be able to offer a wide range of optional course units, reflecting the diversity of interests and expertise of our staff.

In some cases, students follow a two-year period of study, taking a postgraduate diploma in Economics in their first year and then, subject to satisfactory performance, progress to the MSc in Economics in their second year.

In addition to the above specialist economics courses, we are involved in the following interdisciplinary MSc courses with other departments of the University:

- MSc in Finance and Economics
- MSc in Development Economics and Policy
- MSc in Economics and Management of Rural Development
- MSc in Environment and Development
- MSc in Development Finance
- MSc in Industrial Strategy and Trade Policy
- MA in Political Economy

Entry requirements

Entry requirements for the taught courses listed above differ by course, and detailed requirements are listed under each course.

In broad terms, entry to an MA or MSc requires a university degree in Economics or related subject, in which you have achieved a high level of performance. For a UK student, this normally means a First or Upper Second class Honours degree (or equivalent for overseas students), although a Lower Second class Honours degree may be acceptable if accompanied by relevant postgraduate study, or professional experience.

Your background in economics, in econometrics and in mathematics will determine your suitability for the various masters courses. If you have ambitions to pursue a PhD, you are strongly advised to read the 'research programmes' section of this brochure, and to contact the PhD Programme Director prior to application for any masters course.

English language requirements

Applicants whose first language is not English must attain one of the following:

- IELTS – Overall 7, writing score 7
- TOEFL – Overall 623, TWE 5 (PBT)
- TOEFL – Overall 100, with 25 in each of the four sections (IBT)

Applicants with scores below our requirements may be eligible to attend one of our pre-session English courses. Duration will be confirmed when an official result has been received.

Exemption to the requirements is at the discretion of the School. Applicants who have been taught and assessed in English on previous degrees may still be required to show proof of English proficiency via TOEFL/IELTS.

TOEFL Certificates – Please designate The University of Manchester as a recipient of your result. The code is 0757. Results must come directly from ETS (TOEFL).

Test scores are valid for two years.

Course structure

A full-time student normally attends for 12 months, from mid-September. The academic year is divided into two semesters. You take eight course units, normally four in each semester. Performance is assessed through written examinations and, in most units, also through required essays and/or exercises completed during the teaching sessions.

All of the degrees – the MA, the MSc and the PGDip – may be awarded with a Pass, Merit, or Distinction.

Course units

Individual masters course units are differentiated by their respective core components. Normal requirements for each course unit are detailed below. Units are designated by their identification numbers: semester one units may be identified as those ending in 1 (eg Econ 60XX1), semester two units ending in 2 (eg Econ 60XX2).

Course unit outlines may be found here:

www.manchester.ac.uk/socialsciences/postgraduate/taught/modules/courselist.html?department=3

The MA

The MA in Economics has an intrinsic requirement to produce a piece of academic research in the form of an MA research project of about 6,000 words, to be completed by mid-September 2010. This piece of work should demonstrate knowledge of the relevant literature, an ability to use methodologies and quantitative tools in modelling obtaining results, and an awareness and ability to present advantages and limits of methods and models used in economics.

To help prepare for this, lectures and tutorials will be given in June 2010 on doing applied research in economics, as follows:

- Identifying issues, researching the media as well as journal articles, identifying and locating what data to use, using appropriate statistical techniques, and how to conduct and write-up the project
- Conducting the research, maybe in groups
- Presenting the research
- Writing up the project.

In addition, you take courses in computing skills and personal transferable skills, offered by the School of Social Sciences and Faculty of Humanities.

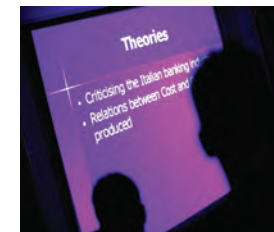
The MSc

An integral part of an MSc course is the completion by mid-September of a dissertation of about 12,000 to 15,000 words, on a topic of your choice and supervised by a member of the School. Preparation for this is provided through a dissertation workshop.

In addition, you take course units in computing skills and personal transferable skills, offered by the School of Social Sciences and Faculty of Humanities.

Pre-session Mathematics

Economics provides an intensive pre-session course unit in mathematics during the registration week and the week subsequent to registration. Although not a formal part of the masters courses, attendance at this course unit is highly recommended. Some material is examinable in other course units.



programme details

taught courses



MA in Economics

Entry requirements

You will require a university degree in economics, finance, or a related subject (eg mathematics, statistics) in which you have achieved a high level of performance. For a UK student, this normally means a First or Upper Second class Honours degree (or equivalent for overseas students), although a Lower Second class Honours degree may be acceptable if accompanied by relevant postgraduate study, or professional experience. You should have a good training in the core areas of microeconomics and macroeconomics.

Students who do not meet these entry criteria initially can apply for entry onto our PGDip in Economics course to gain the required qualification for the MA.

Course aims

- Provide instruction and rigorous training in economics and the relevant methods of mathematical economics and econometrics research in this area
- Develop your powers of inquiry, critical analysis and logical thinking, and your ability to apply theoretical knowledge to current issues of policy and practice in economics
- Encourage initiative, independent learning, awareness of analytical and theoretical approaches in the field of economics, exposure to recent research and the state-of-the-art tools in applied work in economics
- Train you in research methods and core skills in microeconomics, macroeconomics, econometrics, mathematical economics, problem-solving, written and oral expression, communication and presentation skills
- Equip you with the intellectual apparatus and practical skills necessary for an economist working in private or public organisations
- Enable you to apply advanced research skills to a relevant research area either in economics or econometrics, via course units and a research project

Learning outcomes

Upon graduation from this course, you should be able to demonstrate:

- Solid knowledge and understanding of the core principles of microeconomics and macroeconomics, and awareness of the quantitative tools used in applied and empirical work
- Knowledge and understanding of the current and prospective developments in the theory and applications of economics
- Solid knowledge and understanding of the micro- and macro-economic modelling tools used in modern economics, including familiarity with the latest quantitative tools used in recent research in the field of economics, and develop and demonstrate ability to understand, interpret and critically assess the advantages and limits of methods and models used in economics
- Comprehension of the key types of research applied and theoretical methodologies, mathematical and econometric techniques and the skills that are used in economics research
- Ability to develop research ideas and manage research projects, to identify and select the tools for implementing profound analyses, to show ability to pursue independent learning, to use theoretical models in an applied context, to interpret quantitative and qualitative findings, and to interpret and present such findings in an appropriate (written and/or verbal) format
- Critical awareness of research issues, analytical and quantitative methods in economics, and show ability and knowledge of relevant skills and research methodology for developing, planning, managing and implementing original research projects

You will also have produced a piece of academic research in the form of an MA research project, demonstrating a knowledge of the relevant literature, ability to use methodologies and quantitative tools in modelling and obtaining results, together with an awareness and ability to present advantages and limits of methods and models used in economics.

Course content and structure

Semester 1 (60 credits)

ECON 60411 Macroeconomics	15 credits
ECON 60391 Microeconomics	15 credits
ECON 60081 Mathematical Methods for Economics Analysis	15 credits
ECON 60611 Introduction to Econometrics	15 credits

Semester 2 (60 credits)

One core and three optional units from:

Core (compulsory) unit:

ECON 60622 Further Econometrics	15 credits
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Optional units:

ECON 61222 Industry, The Corporation and Government	15 credits
ECON 60072 Growth, Development and Economic Transformation	15 credits
ECON 60282 Economic Analysis for Developing Countries	15 credits
ECON 60682 Economy, Ecology and Environment	15 credits
ECON 61902 Topics in the Economic Development of China	15 credits
ECON 60022 Development Microeconomics	15 credits

Maximum two units from:

ECON 70812 International Trade and Monetary Economics	15 credits
ECON 70852 Natural Resource Economics	15 credits
ECON 70892 Monetary Theory and Policy	15 credits

June – September (60 credits)

MA research project	60 credits
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A full-time student normally attends for 12 months from mid-September, the academic year being divided into two semesters. You will:

- Take compulsory course units in both Microeconomics and Macroeconomics
- Further advance your quantitative skills and techniques in the core course units in Introduction to Econometrics, Mathematical Methods in Economic Analysis and Further Econometrics
- Focus on applied and/or policy-oriented research of economic data as relevant to policy-makers and economics professionals, as part of your MA research project (60 credits)

See outlines of compulsory course units at

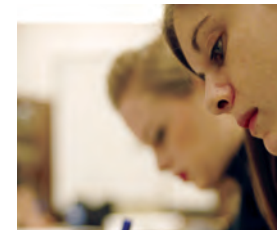
www.manchester.ac.uk/socialsciences/intranet/pg/materials

An IT Skills course unit is available for all postgraduate students in the School of Social Sciences and we strongly recommend that all students take this course unit. Please note that this course unit will appear on your academic transcript if you take it. For further details, see:

www.manchester.ac.uk/socialsciences/intranet/pg/itskills

programme details

taught courses



MSc in Economics

Entry requirements

You will require a university degree in economics/econometrics, or in a related subject where you have achieved a high level of performance. You should have studied microeconomics and macroeconomics, with at least one of these subjects in your final year of undergraduate studies, and have a good background in statistics / econometrics.

For a UK student, a high level of performance normally means a First or Upper Second class Honours degree (or equivalent for overseas students), although a Lower Second class Honours degree may be acceptable if accompanied by relevant postgraduate study, or professional experience. Students who do not meet these entry criteria initially can apply for entry onto our PGDip in Economics course to gain the required qualification for this course.

Course aims

- Provide advanced instruction and rigorous training in economic theories and the relevant methods of empirical research in those areas
- Develop your powers of inquiry, critical analysis, and logical thinking and to apply theoretical knowledge to current issues of policy and practice
- Encourage initiative and independent learning, and create awareness of the range of methodological approaches to research and problem-solving, and their implications for research findings
- Equip you with core skills in computer literacy, numeracy, use of databases and IT skills, problem-solving, written and oral communication, report writing and presentation
- Provide you with the knowledge and skills to equip you for a range of careers in economics and/or econometrics, in government, in industrial firms and the service and public sectors
- Provide training for those who wish to subsequently pursue a research and/or academic career via a PhD in Economics
- Enable you to apply advanced research skills to a relevant research area in economics via course units and a dissertation

Learning outcomes

Upon graduation from this course, you should be able to demonstrate:

- Systematic knowledge and understanding of current and prospective developments in the theory and practice of economics
- Advanced knowledge and understanding of the core theoretical models of economics and econometrics, and an awareness of associated empirical evidence
- Knowledge and understanding of basic research skills in economics, including analytical, behavioural and comparative aspects
- Knowledge and understanding of advanced techniques and skills applied in theoretical and empirical research
- Systematic and advanced knowledge and understanding of selected specialised fields of economics, including a familiarity with the latest research developments and issues; an understanding of the limits of such knowledge and the effects of this on analyses and interpretation
- Knowledge and experience in the development of a research enquiry and to select the tools necessary for executing the research; the skills to pursue independent learning, to analyse and interpret quantitative and qualitative data and to present results in a form that is appropriate
- Critical awareness of research issues, methodologies, and methods in economics, combined with a knowledge of corresponding skills in planning and managing a research project, and in carrying out a piece of original research

You will also have produced an original piece of academic research in the form of a dissertation, demonstrating critical knowledge of the associated research literature and awareness of the implications and of the limitations of the research findings.

Course content and structure

Semester 1 (60 credits)

Econ60101 Microeconomic Theory	15 credits
Econ60111 Macroeconomic Theory	15 credits
Econ60521 Time Series Analysis	

Or

Econ60501 Advanced Econometric Theory	15 credits
Econ60081 Mathematical Methods in Economic Analysis	

Or

Econ60561 Mathematical Economics	15 credits
RSCH60300 Computer Training	0 credits

Semester 2 (60 credits)

Econ60052 Cross Section Econometrics	
Econ60532 Asymptotic Inference in Econometrics	15 credits
Approved optional course unit	15 credits
Approved optional course unit	15 credits
Approved optional course unit	15 credits

June – September (60 credits)

Dissertation	60 credits
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A full-time student normally attends for 12 months from mid-September, the academic year being divided into two semesters. You will take eight course units (15 credits each) comprising:

- Two units in economic theory (Econ60101 and Econ60111)
- Two units in econometric techniques (Econ60521 and Econ60052, or Econ60501 and Econ60512)
- One mathematical unit (Econ60081 or Econ60561)
- Three approved optional units.

An integral part of an MSc course is the completion by mid-September of a dissertation (60 credits) of 12,000 to 15,000 words on a topic chosen by you and supervised by a staff member from Economics. The dissertation might be one of various types, that is:

- (i) develops an original theoretical idea
- (ii) uses theory in interpreting data or a real-world event
- (iii) tests a theory using econometric techniques
- (iv) critically reviews a piece of literature

Students with ESRC "1+3" Studentships take Econ60060 (Research Skills for Economists) instead of an approved optional course unit in the second semester (ie take five units in the first semester and three units in the second semester).

You are also required to take one non-credit bearing course unit offered by the School of Social Sciences, Graduate Office: Computer Training. Details of this course unit are online:

www.manchester.ac.uk/socialsciences/intranet/pg/itskills

programme details

taught courses

Optional course units

The following are optional course units available to students on the MSc in Economics:

- Econ61022
Choice Under Risk# (not running 09/10)
- Econ60072
Growth, Development and Economic Transformation
- Econ60102
Institutional Economic Theory# (not running 09/10)
- Econ60122
Monetary Economics#
- Econ60132
International Macroeconomics# (not running 09/10)
- Econ60182
International Trade Theory#
- Econ60192
Advanced Microeconomic Theory# (not running 09/10)
- Econ60202
Public Economics# (not running 09/10)
- Econ60332
Financial Econometrics
- Econ60402
Mathematical Finance
- Econ61212
Topics in Development Economics: Growth, Labour Markets and Poverty Traps# (not running 09/10)
- Econ61222
Industry, the Corporation and Government#
- Econ61252
Classical Political Economy# (not running 09/10)
- Econ61262
Financial Economics#
- Econ60512
Applied Econometrics#
- Econ60532
Asymptotic Inference in Econometrics#
- Econ60542
Econometric Computing#
- Econ60572
Topics in Economic Theory#
- Econ60552
Games and Economic Behaviour#
- Econ60662
Economic Growth#

- Econ60682
Economy, Ecology and the Environment
 - Econ60792
Project Appraisal & Cost Benefit Analysis
 - Econ60212
Poverty, Inequality and Government Policy in LDCs
 - Econ61902
Topics in the Economic Development of China
- At present, all of the above options, unless stated otherwise, are available to students in 2009/10. However, some options may subsequently be cancelled depending on student numbers on the course and unforeseen circumstances of the lecturer.
- Certain course units are more suitable than others in forming a coherent programme of study. These are indicated by a # symbol and it is expected that you will normally choose at least two options from this group. The Programme Director will be able to give you further advice.

Environmental Economics pathway

Aim: To provide a balanced and rigorous training in modern theories and techniques in environmental economics at the postgraduate level.

Suitable for: Those aiming to be environmental economists in national and international public (Defra, FSA, Environment Agency, OECD, etc) and private institutions, including environmental consultancies. The course also serves as a sound foundation from which to embark on a PhD programme in environmental economics.

Content: You are introduced to key concepts, ideas, tools and techniques via core and optional course units, and have the opportunity to combine and develop their skills in writing a dissertation. The course includes a rigorous combination of economic analytical tools applied to environmental topics. You will learn about the theory and practice of natural resource use, valuation of environmental resources, and the economics of environmental policy.

Outcomes: By the end of the course, you should be able to critically engage with the current theory and practice in environmental economics. You will be able to develop approaches and models of your own, based on the environmental problem at hand, from which to derive original results and offer a critique of existing theories and practice.

The bulk of the teaching and supervision for students on this course is done by members of the Environmental and Resource Economics group.

Semester 1 (60 credits)

- Econ60101
Microeconomic Theory 15 credits
- Econ60781
Economics of Environmental Policy 15 credits
- Approved optional course unit 15 credits
- Approved optional course unit 15 credits

Semester 2 (60 credits)

- Econ60052
Cross Section Econometrics 15 credits
- Econ60682
Economy, Ecology and Environment 15 credits
- Econ60422
Environmental Valuation 15 credits
- Approved optional course unit 15 credits

June – September (60 credits)

- Dissertation 60 credits

A full-time student normally attends for 12 months from mid-September, the academic year being divided into two semesters. You take eight course units (15 credits each), comprising:

- Two compulsory course units shared with the more general MSc Economics: Microeconomic Theory and Cross Section Econometrics
- Three compulsory course units specific to this pathway: Economics of Environmental Policy, Economy, Ecology and Environment and Environmental Valuation.
- Three approved optional course units from a wide range of Economics MSc units, and selected units taught by Politics, Development, Geography and Planning

Students with ESRC “1+3” Studentships take Econ60061 (Research Skills for Economists) instead of an approved optional course unit.

You are also required to take one non-credit bearing course unit offered by the School of Social Sciences, Graduate Office – Computer Training. Details of this course unit are online:

www.manchester.ac.uk/socialsciences/intranet/pg/itskills

Optional course units

The following course units are available as options to students on the MSc in Economics (Environmental Economics Pathway):

- All course units listed for MSc Economics
- IDPM60801
Environment and Development
- IDPM71952
Conservation and Development
- GEOG70901
Theories of Environmental Governance
- PLAN60411
Environmental Impact Assessment
- PLAN60441
Concepts in Environmental Law
- POLI61002
Politics, Economics and Environment

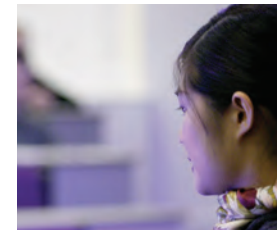
At present, all of the above options, unless stated otherwise, are available to students in 2009/10. However, some options may subsequently be cancelled depending on student numbers on the course and unforeseen circumstances of the lecturer.

Certain course units are more suitable than others in forming a coherent programme of study. These are indicated by a # symbol and it is expected that you will normally choose at least two options from this group. Please note that optional choices are to be discussed with and approved by the programme director.



programme details

taught courses



MSc in Economics and Econometrics

Entry requirements

You will need a university degree in economics/econometrics, or in a related subject where you have achieved a high level of performance. In particular, your undergraduate degree should have included a good grounding in econometrics and mathematical methods.

For a UK student, a high level of performance normally means a First or Upper Second class Honours degree (or equivalent for overseas students), although a Lower Second class Honours degree may be acceptable if accompanied by relevant postgraduate study, or professional experience. Students who do not meet these entry criteria initially can apply for entry onto our PGDip in Economics course to gain the required qualification for the MSc.

Course aims

On the MSc in Economics and Econometrics, we aim to:

- Provide advanced instruction and rigorous training in economic and econometric theories and the relevant methods of empirical research in those areas
- Develop your powers of inquiry, critical analysis, and logical thinking and to apply theoretical knowledge to current issues of policy and practice
- Encourage initiative, independent learning, and create awareness of the range of methodological approaches to research and problem-solving and their implications for research findings
- Equip you with core skills in: computer literacy, numeracy, use of databases and IT skills, problem-solving, written and oral communication, report writing and presentation
- Provide you with the knowledge and skills to equip you for a range of careers in economics and/or econometrics, in government, in industrial firms and the service and public sectors
- Provide training for those who wish to subsequently pursue a research and/or academic career via a PhD in economics and/or econometrics
- Enable you to apply advanced research skills to a relevant research area in economics and/or econometrics, via course units and a dissertation

Learning outcomes

Upon graduation from this course, you should be able to demonstrate:

- Systematic knowledge and understanding of current and prospective developments in the theory and practice of economics and econometrics
- Advanced knowledge and understanding of the core theoretical models of economics and econometrics, and an awareness of associated empirical evidence
- Knowledge and understanding of basic research skills in economics and econometrics, including analytical, behavioural and comparative aspects
- Knowledge and understanding of advanced techniques and skills applied in theoretical and empirical economic/econometric research
- Systematic and advanced knowledge and understanding of selected specialised fields of economics and econometrics, including a familiarity with the latest research developments and issues; an understanding of the limits of such knowledge and the effects of this on analyses and interpretation
- Knowledge and experience in the development of a research enquiry and to select the tools necessary for executing the research; the skills to pursue independent learning, to analyse and interpret quantitative and qualitative data and to present results in a form that is appropriate
- Critical awareness of research issues, methodologies, and methods in economics and econometrics, combined with a knowledge of corresponding skills in planning and managing a research project, carrying out a piece of original research

You will also have produced an original piece of academic research in the form of a dissertation, demonstrating critical knowledge of the associated research literature and awareness of the implications and of the limitations of the research findings.

Course content and structure

Applied pathway

Semester 1 (60 credits)

Econ60101 Microeconomic Theory	15 credits
Econ60111 Macroeconomic Theory	15 credits
Econ60521 Time Series Analysis	15 credits
Econ60561 Mathematical Economics	15 credits
RSCH60300 Computer Training	0 credits

Semester 2 (60 credits)

Econ60512 Applied Econometrics	15 credits
Econ60052 Cross Section Econometrics	15 credits
Approved optional course unit	15 credits
Approved optional course unit	15 credits

June – September (60 credits)

Dissertation	60 credits
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Theory pathway

Semester 1 (60 credits)

Econ60101 Microeconomic Theory	15 credits
Econ60111 Macroeconomic Theory	15 credits
Econ60501 Advanced Econometric Theory	15 credits
Econ60561 Mathematical Economics	15 credits

Semester 2 (60 credits)

Econ60532 Asymptotic Inference in Econometrics	15 credits
Econ60542 Econometric Computing	15 credits
Econ60332 Financial Econometrics	
Or	
Econ60422 Environmental Valuation	15 credits
Approved optional course unit	15 credits

June – September (60 credits)

Dissertation 60 credits

A full-time student normally attends for 12 months from mid-September, the academic year being divided into two semesters. You take eight course units (15 credits each) comprising:

- Three units in economic theory (Econ60101, Econ60111 and Econ60561)
- Three units in applied econometric techniques (Econ60521, Econ60512 and Econ60052) if taking the Applied pathway; three units in theoretical techniques (Econ60501, Econ60532 and Econ60542) if taking the Theory pathway
- Two approved optional units

An integral part of an MSc course is the completion by mid-September of a dissertation (60 credits) of 12,000 to 15,000 words on a topic chosen by you and supervised by a member of the discipline area.

The dissertation might be one of various types, that is:

- develops an original theoretical idea in economics
- uses theory in interpreting data or a real-world event
- tests an economic theory using econometric techniques
- critically reviews a piece of literature
- develops a theoretical econometric technique, or
- applies an econometric technique in a practical situation

Students with ESRC "1+3" Studentships take Econ60061 Research Skills for Economists instead of an approved optional course unit in the second semester in the first semester, ie take five units in the first semester and three units in the second semester.

You are also required to take one non-credit-bearing course unit offered by the School of Social Sciences, Graduate Office: Computer Training. Details of this course unit are online:

www.manchester.ac.uk/socialsciences/intranet/pg/itskills

Students on the MSc in Economics and Econometrics are exempted from taking the SPSS for Windows component of computer training.

programme details

taught courses

Optional course units

The following course units are available as options to students on the MSc in Economics and Econometrics:

Econ61022
Choice Under Risk (not running 09/10)

Econ60060
Research Skills for Economists

Econ60052
Cross Section Econometrics

Econ60072
Growth, Development and Economic Transformation

Econ60122
Monetary Economics#

Econ60132
International Macroeconomics# (not running 09/10)

Econ60171
Industrialisation in Developing Countries

Econ60182
International Trade Theory# (not running 09/10)

Econ60192
Advanced Microeconomic Theory (not running 09/10)

Econ60202
Public Economics (not running 09/10)

Econ60332
Financial Econometrics

Econ60402
Mathematical Finance

Econ61212
Topics in Development Economics: Growth, Labour Markets and Poverty Traps (not running 09/10)

Econ61222
Industry, the Corporation and Government

Econ61262
Financial Economics#

Econ60501
Advanced Econometric Theory

Econ60521
Time Series Analysis#

Econ60532
Asymptotic Inference in Econometrics#

Econ60542
Econometric Computing

Econ60572
Topics in Economic Theory#

Econ60652
Games and Economic Behaviour# (not running 09/10)

Econ60662
Economic Growth#

Econ60682
Economy, Ecology and the Environment

Econ60781
Economics of Environmental Policy

Econ60792
Project Appraisal & Cost Benefit Analysis (not running 09/10)

Econ60212
Poverty, Inequality and Government Policy in LDCs

Econ61902
Topics in the Economic Development of China

At present, all of the above options, unless stated otherwise, are available to students in 2009/10. However, some options may subsequently be cancelled depending on student numbers on the course and unforeseen circumstances of the lecturer.

Certain course units are more suitable than others in forming a coherent programme of study. These are indicated by a # symbol and it is expected that you will normally choose at least two options from this group. The programme director is available to give you further advice.

MSc in Econometrics

Entry requirements

You will require a university degree in economics/econometrics, or in a related subject where you have achieved a high level of performance. In particular, your undergraduate degree should have included a good grounding in statistics and/or econometrics, and mathematical methods.

For a UK student, a high level of performance normally means a First or Upper Second class Honours degree (or equivalent for overseas students), although a Lower Second class Honours degree may be acceptable if accompanied by relevant postgraduate study, or professional experience.

Students who do not meet these entry criteria initially can apply for entry onto our PGDip in Economics course to gain the required qualification for the MSc. If you are interested in pursuing this path, you are strongly advised to contact the Programme Director for the MSc in Econometrics prior to application.

Course aims

- Provide advanced instruction and rigorous training in econometric theories and the relevant methods of empirical research in various areas of economics
- Develop your powers of inquiry, critical analysis, and logical thinking and to apply theoretical knowledge to current issues of policy and practice
- Encourage initiative, independent learning, and create awareness of the range of methodological approaches to research and problem-solving and their implications for research findings
- Equip you with core skills in: computer literacy, numeracy, use of databases and IT skills, problem-solving, written and oral communication, report writing and presentation
- Provide you with the knowledge and skills to equip you for a range of careers in econometrics, in government, in industrial firms and the service and public sectors
- Provide training for those who wish to subsequently pursue a research and/or academic career via a PhD in econometrics
- Enable you to apply advanced research skills to a relevant research area in economics and/or econometrics, via course units and a dissertation



programme details

taught courses



Learning outcomes

Upon graduation from this course, you should be able to demonstrate:

- Systematic knowledge and understanding of current and prospective developments in the theory and practice of econometrics
- Advanced knowledge and understanding of the core theoretical models of econometrics, and an awareness of the issues associated with their empirical application
- Knowledge and understanding of basic research skills in econometrics, including analytical, behavioural and comparative aspects
- Knowledge and understanding of advanced techniques and skills applied in theoretical and empirical econometric research
- Systematic and advanced knowledge and understanding of selected specialised fields of economics and econometrics, including a familiarity with the latest research developments and issues; an understanding of the limits of such knowledge and the effects of this on analyses and interpretation
- Knowledge and experience in the development of a research enquiry and to select the tools necessary for executing the research; the skills to pursue independent learning, to analyse and interpret quantitative and qualitative data and to present results in a form that is appropriate
- Critical awareness of research issues, methodologies, and methods in economics and econometrics, combined with a knowledge of corresponding skills in planning and managing a research project, carrying out a piece of original research

You will also have produced an original piece of academic research in the form of a dissertation, demonstrating critical knowledge of the associated research literature and awareness of the implications and of the limitations of the research findings.

Course content and structure

Semester 1 (60 credits)

Econ60501 15 credits
Advanced Econometric Theory

Econ60521 15 credits
Time Series Analysis

Econ60081
Mathematical Methods in Economic Analysis

Or

Econ60561 15 credits
Mathematical Economics

Approved optional course unit 15 credits

Semester 2 (60 credits)

Econ60512 15 credits
Applied Econometrics

Econ60532 15 credits
Asymptotic Inference in Econometrics

Econ60052 15 credits
Cross Section Econometrics

Approved optional course unit 15 credits

June – September (60 credits)

Dissertation 60 credits

A full-time student normally attends for 12 months from mid-September, the academic year being divided into two semesters. You take eight course units (15 credits each), comprising:

- Five units in econometric techniques (Econ60501, Econ60512, Econ60521, Econ60532, and Econ60052)
- One unit in Mathematical Economics (Econ60561)
- Two approved optional units

An integral part of an MSc course is the completion by mid-September of a dissertation (60 credits) of 12,000 to 15,000 words on a topic chosen by you and supervised by a member of the discipline area.

The dissertation might be one of various types:

- critically reviews a piece of econometric literature
- develops a theoretical econometric technique
- applies an econometric technique in a practical situation

You are also required to take one non-credit bearing unit offered by the School of Social Sciences, Graduate Office – Computer Training. Details of this course unit are online:

www.manchester.ac.uk/socialsciences/intranet/pg/itskills

Students on the MSc Econometrics are exempted from taking the SPSS for Windows component of computer training.

Optional course units

The following course units are available as options to students on the MSc in Econometrics:

Econ61022
Choice Under Risk# (not running 09/10)

Econ60060
Research Skills for Economists

Econ60072
Growth, Development and Economic Transformation

Econ60101
Microeconomic Theory

Econ60111
Macroeconomic Theory

Econ60122
Monetary Economics#

Econ60132
International Macroeconomics# (not running 09/10)

Econ60171
Industrialisation in Developing Countries

Econ60202
Public Economics (not running 09/10)

Econ60332
Financial Econometrics

Econ60402
Mathematical Finance

Econ61222
Industry, the Corporation and Government

Econ61262
Financial Economics#

Econ60542
Econometric Computing

Econ60572
Topics in Economic Theory#

Econ60662
Economic Growth#

Econ60682
Economy, Ecology and the Environment

Econ60781
Economics of Environmental Policy

Econ60792
Project Appraisal & Cost Benefit Analysis (not running 09/10)

Econ60212
Poverty, Inequality and Government Policy in LDCs

Econ61902
Topics in the Economic Development of China

At present, all of the above options, unless stated otherwise, are available to students in 2009/10. However, some options may subsequently be cancelled depending on student numbers on the course and unforeseen circumstances of the lecturer.

Certain course units are more suitable than others in forming a coherent programme of study. These are indicated by a # symbol and it is expected that you will normally choose at least two options from this group. It is also possible to take courses offered in allied fields, such as Statistics, or the Centre for Census and Survey Research.

The programme director is available to give you further advice, and must give permission for options taken outside Economics.

programme details

taught courses

MSc in Financial Economics

Entry requirements

You will require a university degree in economics, finance or related subject (eg mathematics, statistics) or overseas equivalent, where you have achieved a high level of performance. For a UK student, this normally means a First or Upper Second class Honours degree (or equivalent for overseas students), although a Lower Second class Honours degree may be acceptable if accompanied by relevant postgraduate study, or professional experience.

You should have studied microeconomics and macroeconomics, with at least one of these subjects in your final year of undergraduate studies, and should have a solid background in mathematics/ mathematical economics and statistics/ econometrics.

Students who do not meet these entry criteria can apply for entry on to the PGDip in Economics course to gain the required qualification for the MSc (see overleaf).

Course aims

- Provide advanced instruction and rigorous training in financial economics and the relevant methods of mathematical finance and financial econometrics research in this area
- Develop your powers of inquiry, critical analysis, and logical thinking and to apply theoretical knowledge to current issues of policy and practice in economics and financial economics
- Encourage initiative, independent learning, awareness of analytical and theoretical approaches in the field of financial economics, exposure to recent research and the state of the art tools in applied work in financial economics
- Train you in research methods and core skills in econometrics, mathematical finance/economics, problem-solving, written and oral expression, communication and presentation skills
- Equip you with the intellectual apparatus and practical skills necessary for a financial economist working in private or public organisations
- Provide training for those who wish to subsequently pursue a research and/or academic career via a PhD in financial economics, or economics or financial econometrics

- Enable you to apply advanced research skills to a relevant research area either in financial economics or econometrics, via course units and a MSc-dissertation

Learning outcomes

Upon graduation from this course, you should be able to demonstrate:

- Advanced knowledge and understanding of the core theoretical models of microeconomics, macroeconomics and financial economics, and an awareness of the quantitative tools used in applied and empirical work
- Knowledge and understanding of the current and prospective developments in the theory and applications of financial economics
- Advanced knowledge and understanding of the micro- and macro-economic modelling tools used in modern financial economics, including familiarity with the latest quantitative tools used in recent research in the field of financial economics, and develop and demonstrate ability to understand, interpret and critically assess the advantages and limits of methods and models used in financial economics
- Comprehension of the key types of research applied and theoretical methodologies, mathematical and econometric techniques and the skills that are used in financial economics research
- Ability to develop research ideas and manage research projects, to identify and select the tools for implementing profound analyses, show ability to pursue independent learning, to analyse theoretical models and interpret quantitative and qualitative findings, and to interpret and present such findings in an appropriate (written and/or verbal) format
- Critical awareness of research issues, analytical and quantitative methods in financial economics, and show ability and knowledge of relevant skills and research methodology for developing, planning and managing and implementing research original projects

You will also have produced an original piece of academic research in the form of a dissertation, demonstrating a critical knowledge of the relevant literature and ability to use methodologies and quantitative tools in modelling obtaining results together with awareness and ability to present advantages and limits of methods and models used in financial economics.

Course content and structure

Semester 1 (60 credits)

Econ60101	Microeconomic Theory	15 credits
Econ60111	Macroeconomic Theory	15 credits
Econ60521	Time Series Analysis	15 credits
Econ60561	Mathematical Economics	15 credits

Semester 2 (60 credits)

Econ60402	Mathematical Finance	15 credits
Econ61262	Financial Economics	15 credits
Econ60332	Financial Econometrics	15 credits
	Approved optional course unit	15 credits

June – September (60 credits)

Dissertation	60 credits
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A full-time student normally attends for 12 months from mid-September, the academic year being divided into two semesters.

An integral part of an MSc course is the completion by mid-September of a dissertation (60 credits) of 12,000 to 15,000 words on a topic chosen by you and supervised by a staff member from Economics. The dissertation should demonstrate a critical knowledge of the relevant literature and ability to use methodologies and quantitative tools in modelling obtaining results, together with awareness and ability to present advantages and limits of methods and models used in financial economics.

You are also required to take one non-credit bearing course unit offered by the School of Social Sciences, Graduate Office: Computer Training. Details of this course unit are online:

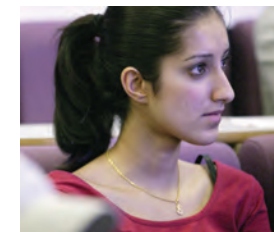
www.manchester.ac.uk/socialsciences/intranet/pg/itskills

Optional course units

The following course units are available as options to students on the MSc in Financial Economics:

Econ61022	Choice Under Risk (not running 09/10)
Econ60072	Growth, Development and Economic Transformation
Econ60122	Monetary Economics
Econ60132	International Macroeconomics (not running 09/10)
Econ60182	International Trade Theory (not running 09/10)
Econ60202	Public Economics (not running 09/10)
Econ61212	Topics in Development Economics: Growth, Labour Markets and Poverty Traps (not running 09/10)
Econ61222	Industry, the Corporation and Government
Econ60532	Asymptotic Inference in Econometrics
Econ60542	Econometric Computing
Econ60572	Topics in Economic Theory
Econ605X2	Games and Economic Behaviour (not running 09/10)
Econ60662	Economic Growth
Econ60682	Economy, Ecology and the Environment
Econ60781	Economics of Environmental Policy
Econ60792	Project Appraisal and Cost Benefit Analysis (not running 09/10)
Econ60212	Poverty, Inequality and Government Policy in LDCs

At present, all of the above options unless stated otherwise are available to students in 2009/10. However, some options may subsequently be cancelled depending on student numbers on the course and unforeseen circumstances of the lecturer. The programme director is available to give you further advice.



programme details

taught courses



PGDip in Economics

Entry requirements

You will require a university degree in Economics (or a related subject) in which you have achieved at least a Lower Second class Honours (or equivalent for overseas students). If you have no background in Economics, you may be admitted to the postgraduate diploma in Economics provided that you have achieved a high level of performance in a university honours degree. Relevant postgraduate study or professional experience will also be taken into account.

Course aims

- Provide a broad overview of the main issues in modern economics
- Introduce analytical tools and technical skills necessary to understand modern economic analysis
- Provide the opportunity for specialisation via two optional course units
- Provide both a self-contained programme of study leading to a recognised postgraduate qualification in its own right, and a preparatory year of study for students who intend to continue their academic career on a masters course in economics, or a related course

Learning outcomes

Upon completion of this course, you should be able to demonstrate:

- A broad understanding of the central ideas of modern mainstream economics
- Awareness of critical perspectives within the broad discipline of economics
- The implications of theory for the design of economic policy
- The necessary analytical and quantitative skills to pursue further studies at the masters level

Course content and structure

Semester 1 (60 credits)

Econ60241 15 credits
Microeconomic Theory I

Econ60251 15 credits
Macroeconomic Theory I

Econ60611
Introduction to Econometrics

Or

Econ60641 15 credits
Introductory Quantitative Methods I

Approved optional course unit 15 credits

Semester 2 (60 credits)

Econ60262 15 credits
Microeconomic Theory II

Econ60272 15 credits
Macroeconomic Theory II

Econ60622
Further Econometrics

Or

Econ60632 15 credits
Introductory Quantitative Methods II

Approved optional course unit 15 credits

A full-time student normally attends for nine months from mid-September, the academic year being divided into two semesters. You will take eight course units (15 credits each), normally four in each semester. These comprise:

- Two units in microeconomics (Econ60241 and Econ60262)
- Two units in macroeconomics (Econ60251 and Econ60272)
- Two units in quantitative techniques (either Econ60611 and Econ60622 or Econ60632 and Econ60641)
- Two approved optional units

This course is intended to provide the required qualification for entry to the MA or MSc in Economics, and to the Applied pathway of the MSc in Economics and Econometrics.

If you are interested in obtaining the required qualification for entry to the Theory pathway of the MSc in Economics and Econometrics, or to the MSc in Econometrics, you should contact the programme director for the MSc in Economics and Econometrics, or MSc in Econometrics.

Please see outlines of compulsory course units online:

www.manchester.ac.uk/socialsciences/intranet/pg/materials

An IT Skills course is available for all postgraduate students in the School of Social Sciences and we strongly recommend that all students take this course.

For further details, see:

www.manchester.ac.uk/socialsciences/intranet/pg/itskills

Optional course units

The following course units are available as options to students on the Postgraduate Diploma in Economics:

Econ60271: Development, Accumulation and Structural Change

Econ60282: Economic Analysis for Developing Countries

Diploma students may be allowed to take the following undergraduate units:

Econ70820: Business Economics II

Econ70852: Natural Resource Economics

Econ70871: The Economics of Monetary Integration in Europe

Econ70892: Monetary Theory and Policy

Course unit outlines

See: www.manchester.ac.uk/socialsciences/intranet/pg/materials

Full course unit outlines, including details of assessment requirements, will be provided at the start of each course unit. The programme director is available to advise you on your choice.

Progression to MA or MSc

This is available for a student who successfully completes the PGDip in Economics with:

- a mark of at least 50% in each of the six compulsory courses listed below
- an overall average (across all eight courses) of 55%

You will be permitted to progress to an MA or and MSc course in the subsequent academic year.

A student who takes Introductory Quantitative Methods I and II will be able to take the MA in Economics, while a student who takes Introduction to Econometrics and Further Econometrics will be able to take the MSc in Economics.

facilities and support



As you'd expect from a world-class institution, The University of Manchester provides a wide range of comprehensive support services and facilities. Here is a brief outline – use the web links to find out more.

Academic Advisory Service

This confidential information and advice service is for anyone with academic worries. Our advisers have excellent knowledge and resources to help you make informed decisions to manage your situation.

tel +44 (0)161 275 3033

email caas@manchester.ac.uk

www.manchester.ac.uk/academicadvisoryservice

Accommodation

With more than 9,200 rooms, The University of Manchester has more university-owned accommodation than any other university in the country, almost all of which is within two miles of campus. A number of residences are reserved exclusively for postgraduates; in others, every effort is made to room graduate students together.

tel +44 (0)161 275 2888

fax +44 (0)161 275 3213

www.manchester.ac.uk/accommodation

In addition to the University's halls of residence, Manchester has a sizeable stock of private accommodation for rent.

tel +44 (0)161 275 7680

fax +44 (0)161 275 7684

email manchesterstudenthomes@manchester.ac.uk

www.manchesterstudenthomes.com

Careers Service

A team of careers professionals who specialise in working with postgraduates offer you personal support, training and development opportunities and extensive careers information. Our Careers Service has

been voted the best in the UK by employers for five consecutive years; recognition for the work we do to ensure leading employers get the chance to meet and recruit our students.

www.manchester.ac.uk/careers

Childcare

There are two nurseries close to campus for children aged six months to five years.

tel +44 (0)161 272 7121 (Dryden Street Nursery)

tel +44 (0)161 200 4979 (Echoes Nursery)

www.manchester.ac.uk/studentexperience/childcare

Counselling

Our Counselling Service can help you with any personal problems that may affect your work or wellbeing. All help is free and entirely confidential.

tel +44 (0)161 275 2864

email counsel.service@manchester.ac.uk

www.manchester.ac.uk/counselling

Cultural facilities

Some of the city's finest cultural venues are right here on the University campus.

Manchester Museum

www.manchester.ac.uk/museum

Whitworth Art Gallery

www.manchester.ac.uk/whitworth

Contact Theatre

www.contact-theatre.org

Jodrell Bank Observatory and Visitor Centre

www.manchester.ac.uk/jodrellbank

'Shopping, bars and the epic architecture of the city's industrial past and vibrant present are all a short walk away...'

The Guardian University Guide



www.manchester.ac.uk

Disability Support Office (DSO)

If you have additional needs arising from a medical condition, a physical or sensory disability, or a specific learning disability, you are strongly encouraged to contact the University's Disability Support Office to discuss your needs, any arrangements that may be necessary and the extent to which appropriate support is available.

tel +44 (0)161 275 7512

fax +44 (0)161 275 7018

minicom +44 (0)161 275 2794

email dso@manchester.ac.uk

www.manchester.ac.uk/dso

International postgraduates

Around 6,000 students from outside the UK are welcomed into postgraduate study at the University every year, from more than 150 countries. A range of facilities and services are available to make your application and move to Manchester go smoothly, including an in-depth arrival guide, a free airport collection service and an orientation programme.

www.manchester.ac.uk/international

IT services

IT Services provides staff and students with extensive computing facilities, as well as a variety of services around the campus for postgraduate research staff.

www.manchester.ac.uk/itservices

Library and information services

The John Rylands University Library is one of the best-resourced academic libraries in the UK and is widely recognised as one of the world's great research libraries.

www.manchester.ac.uk/library

Religious support

There are two chaplaincy centres for the major Christian churches: St Peter's House, for the Anglican, Baptist, Methodist and United Reformed Churches; and Avila House for the Roman Catholic Chaplaincy. Hillel House provides facilities for Jewish worship. There are prayer facilities on campus for Muslim students and student societies for many religions.

Sport

We have an active Athletic Union, a diverse 'Campus Sport' programme and a huge variety of health, fitness and wellbeing classes, as well as volunteering and scholarship opportunities.

www.manchester.ac.uk/sport

Student Services Centre (SSC)

The SSC is where you complete all your administrative transactions with the University – eg issues relating to tuition fees, loans, swipe cards, scholarships and awards, examinations and graduation.

tel +44 (0)161 275 5000

email ssc@manchester.ac.uk

www.manchester.ac.uk/ssc

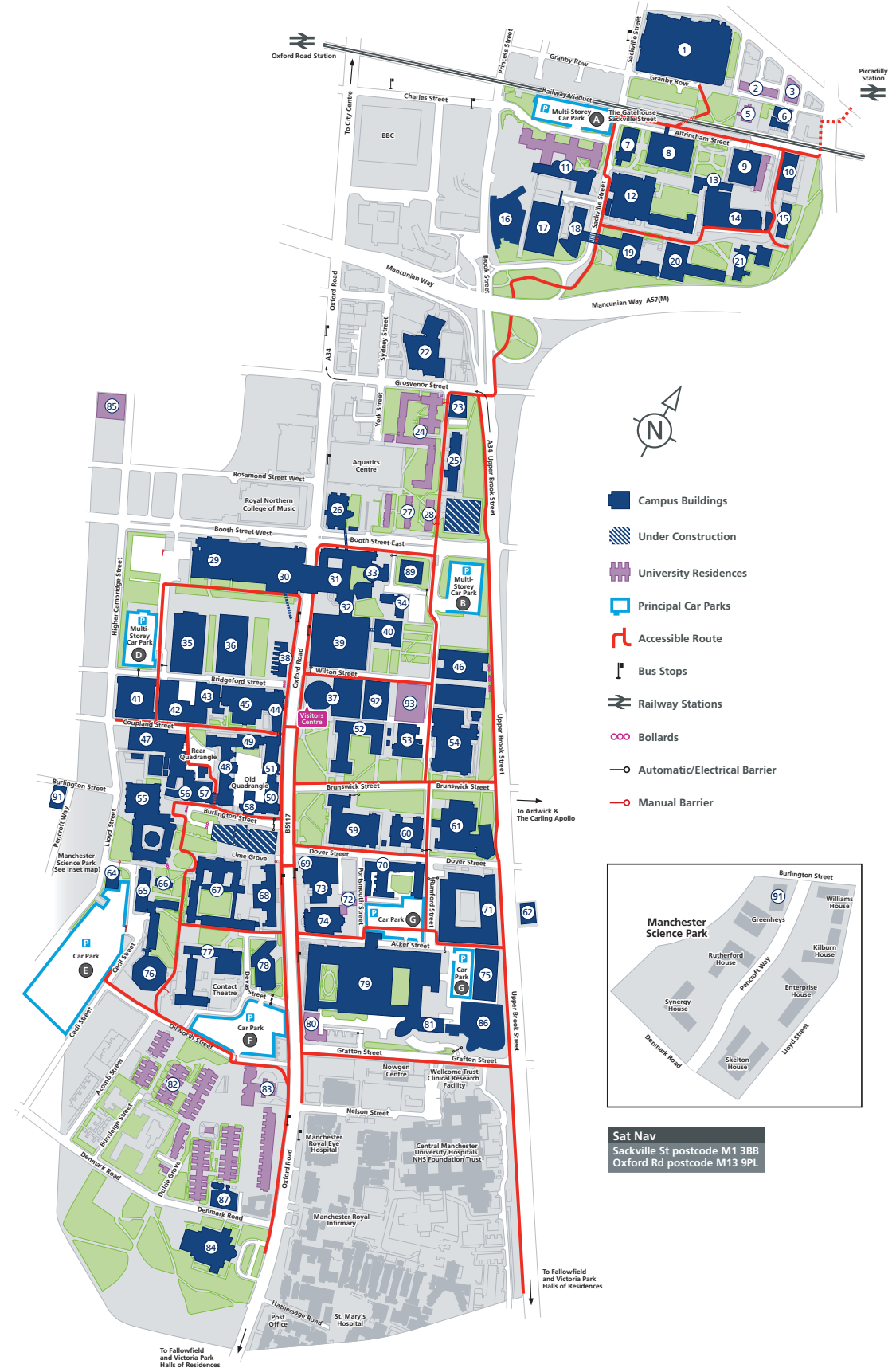
Students' Union

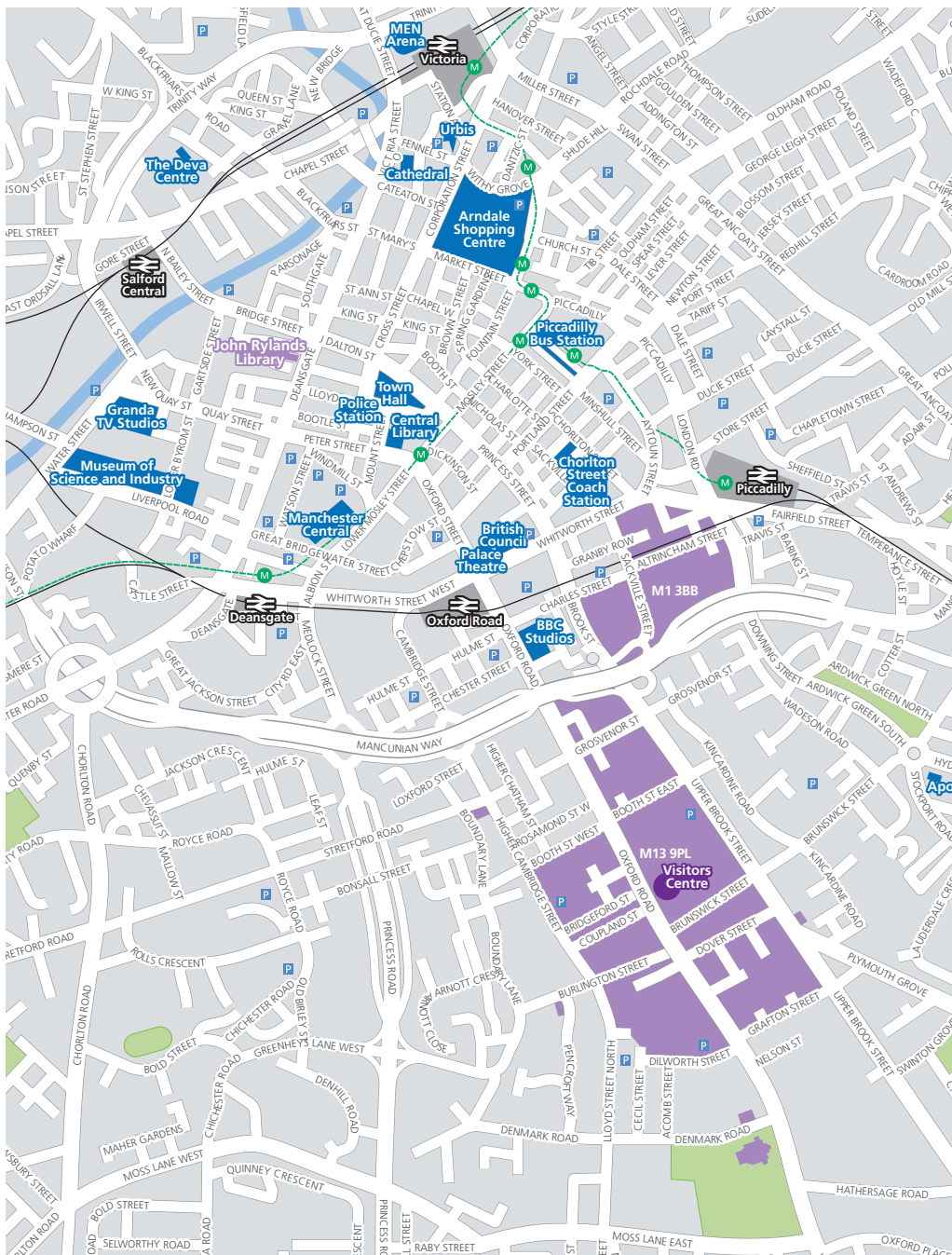
The University of Manchester Students' Union (UMSU) is the largest Students' Union in Europe, offering everything from live bands to student representation. UMSU has some of the largest and most active student societies in the country and complements the University's overall provision of support and welfare services.

www.umsu.manchester.ac.uk

campus map

- | | |
|--|---|
| 1 Sackville Street Building | 45 Rutherford Building |
| 2 Lambert Hall | 46 Alan Turing Building |
| 3 Fairfield Hall | 47 Coupland Building 3 |
| 5 Chandos Hall | 48 John Owens Building |
| 6 Echoes Day Nursery | 49 Beyer Building |
| 7 Paper Science Building | 50 Whitworth Hall |
| 8 Renold Building | 51 Whitworth Building |
| 9 Barnes Wallis Building / Students' Union / Wright Robinson Hall | 52 Williamson Building |
| 10 Vision Centre / Moffat Building | 53 Roscoe Building |
| 11 The Manchester Conference Centre and Weston Hall | 54 Schuster Building |
| 12 Pariser Building | 55 The John Rylands Library |
| 13 Staff House Sackville Street | 56 Schunck Building / Burlington Rooms |
| 14 The Mill | 57 Student Services Centre |
| 15 Morton Laboratory | 58 Christie Building |
| 16 Manchester Interdisciplinary Biocentre - John Garside Building | 59 Simon Building |
| 17 George Begg Building | 60 Zochonis Building |
| 18 Faraday Tower | 61 Chemistry Building |
| 19 Faraday Building | 62 Dryden Street Nursery |
| 20 Ferranti Building | 64 Environmental Services Unit |
| 21 Maths and Social Sciences Building | 65 Mansfield Cooper Building |
| 22 Sugden Sports Centre | 66 Stephen Joseph Studio |
| 23 Oddfellows Hall | 67 Samuel Alexander Building |
| 24 Grosvenor Halls of Residences | 68 Students' Union Oxford Road (also at number 9) |
| 25 Materials Science Centre | 69 William Kay House |
| 26 Manchester Business School East | 70 Dover Street Building |
| 27 Bowden Court | 71 Michael Smith Building |
| 28 Ronson Hall | 72 Vaughan House |
| 29 Manchester Business School West | 73 Avila House RC Chaplaincy |
| 30 Precinct Shopping Centre
Harold Hankins Building
Devonshire House | 74 Holy Name Church |
| 31 Crawford House | 75 AV Hill Building |
| 32 St Peters House/Chaplaincy | 76 AQA |
| 33 Crawford House Lecture Theatres | 77 Ellen Wilkinson Building |
| 34 Prospect House | 78 The Academy |
| 35 Humanities Bridgeford Street | 79 Stopford Building |
| 36 Arthur Lewis Building | 80 Horniman House |
| 37 University Place | 81 The Manchester Incubator Building |
| 38 Waterloo Place | 82 Whitworth Park Halls of Residence |
| 39 Kilburn Building | 83 Grove House |
| 40 Information Technology Building | 84 The Whitworth Art Gallery |
| 41 Dental School and Hospital | 85 Opal Hall |
| 42 Martin Harris Centre for Music and Drama | 86 Core Technology Facility |
| 43 Coupland Building 1 | 87 Denmark Building |
| 44 The Manchester Museum | 89 Lamb Building |
| | 91 McDougall Centre |
| | 92 Jean McFarlane Building (formerly 37b) |
| | 93 George Kenyon Building and Hall of Residence and PC cluster (formerly 37a) |





how to apply contact details

Our preferred method of application for all postgraduate programmes is via our online application form:

www.manchester.ac.uk/pgapplication

If you are unable to apply online and require a printed application form, contact the Postgraduate Admissions Office:

tel +44 (0)161 275 4740
 email pg-admissions@manchester.ac.uk
 (remember to include your postal address)

address

School of Social Sciences
 Arthur Lewis Building
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 Oxford Road
 Manchester
 M13 9PL
 United Kingdom

tel +44 (0)161 275 4471
 (taught course enquiries)

tel +44 (0)161 275 4743
 (research programme enquiries)

fax +44 (0)161 275 2450
 email pg-ssos@manchester.ac.uk

website www.manchester.ac.uk/socialsciences/economics

Disclaimer

This brochure is prepared well in advance of the academic year to which it relates. Consequently, details of programmes may vary with staff changes. The University therefore reserves the right to make such alterations to programmes as are found to be necessary. If the University makes an offer of a place, it is essential that you are aware of the current terms on which the offer is based. If you are in any doubt, please feel free to ask for confirmation of the precise position for the year in question, before you accept the offer.

From Piccadilly Gardens Bus Station

(a short walk from Piccadilly Rail Station), take buses 40, 41, 42, 43, 44, 45, 46, 142, 143, 149, 249, 157, W2, or 11. Ask for The University of Manchester Precinct Centre.

From Victoria Rail Station

Either take the Metrolink tram, or walk to Piccadilly Gardens Bus Station (not the Rail Station) and follow the directions above.

Parking

Please note that parking near the School is available in several car parks on campus and in a new multi-storey car park.

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