Welcome

The global marketplace must have leaders and entrepreneurs with the spirit to challenge conventional thinking in order to support its future. To make an impact in business and industry today, you are expected to be a problem solver, team player, practitioner and strategist. At WMG we will help you to develop the vital mix of knowledge and skills you’ll need to create impact throughout your career.”

Professor Lord Kumar Bhattacharyya, Kt, CBE, FREng, FRS
Chairman and Founder, WMG

Contents

Welcome to Warwick 04
Why choose WMG 05
Master’s programme structure 06

MSc programmes

- Cyber Security and Management | Cyber Security Engineering 08-09
- e-Business Management 10-11
- Engineering Business Management 12-13
- Healthcare Operational Management 14-15
- Innovation and Entrepreneurship 16-17
- International Technology Management 18-19
- International Trade, Strategy and Operations 20-21
- Management for Business Excellence 22-23
- Manufacturing Systems Engineering and Management 24-25
- Programme and Project Management 26-27
- Service Management and Design 28-29
- Supply Chain and Logistics Management 30-31
- Sustainable Automotive Engineering 32-33

Full list of modules 34-35
Why Warwick?

Warwick creates an inspiring academic environment. We’re always looking for new ways to make things happen. Warwick provides the supportive environment in which you can make an impact. That’s why we are ranked so highly in the lists of great UK and world universities.

By choosing to study at Warwick, you will make a significant step on your life journey.

A vibrant campus university

Studying at a campus university means experiencing a real sense of community and belonging. Warwick has an award-winning campus situated in the heart of England, adjacent to the city of Coventry and county of Warwickshire. The social, sporting and academic facilities are second-to-none, and with supermarkets, shops, banks, restaurants and bars all within walking distance, you will be studying in an attractive, lively and safe environment. London is just one hour away by train so you will have the added advantage of being able to explore this world city whenever you want.

An exciting student life

With over 250 student societies and 70 sports clubs to choose from, you will lead a full and exciting life beyond the classroom. Warwick’s international community welcomes students from over 140 countries and organises a wide range of high profile student-led social events, summits and conferences. The Students’ Union provides entertainment including club nights, live music, and comedy. Warwick Arts Centre is one of the largest performing and visual arts complexes in the UK, and offers a diverse programme of film, music, dance and creative arts.

Accommodation: your home away from home

Our dedicated accommodation team provides support to postgraduates in arranging and managing your university housing, either on-campus or off-campus. Off-campus properties are located in nearby Coventry, charming Leamington Spa, and historic Kenilworth. Connection to campus is fast, with public transport taking between 10 to 25 minutes depending on location.

Outstanding academic resources

Warwick is consistently investing in the academic learning environment for all students. You will have access to over 1 million printed works and 48,400 e-journals and e-books, as well as multimedia-assisted study areas. Our Master’s Skills Programme will help to develop your professional and research skills through regular workshops and online resources.

A tailored careers service

Our aim is for you to become successful and highly employable. Warwick Careers and Skills provides 1-1 support to help you build a strong CV and develop an effective career planning strategy. Practical careers-focused workshops strengthen your interview, presentation, and networking skills, and regular careers events, bring you closer to potential employers. We offer life-long careers support so whatever stage of your career you are at, you can still benefit from Warwick’s expertise and connections.

Why choose WMG?

We are a multidisciplinary, research-led department renowned for collaborative R&D with global companies, and industry relevant education. Our depth of expertise is across the areas of business transformation, manufacturing, systems, materials, and design. Academic excellence with industrial relevance has always been at the heart of what we do. It’s what makes us unique.

We offer you a unique opportunity to gain a world class management education with real business and industry application. As a student with us you will gain and develop the knowledge and academic skills to help you impress future employers. Alongside this, you will be challenged to develop the essential practical and soft skills to make you truly outstanding. We will encourage you to be creative, to develop your entrepreneurial spirit, and to think on a global scale.

Our research capabilities

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<tr>
<th>Theme</th>
<th>Research group</th>
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<tbody>
<tr>
<td>Design</td>
<td>Engineering Psychology</td>
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<td>Experiential Engineering</td>
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<td>Engineering Materials and Manufacturing</td>
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<td>Sustainable Materials and Manufacturing</td>
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<td>Electrochemical Engineering</td>
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<td>Manufacturing</td>
<td>Net-shape Manufacturing</td>
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<td>Metrology</td>
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<td>Automation Systems</td>
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<td>Digital Lifecycle Management</td>
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<td>Systems</td>
<td>Energy and Electrical Systems</td>
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<td></td>
<td>Biomedical Informatics, Imaging, and Healthcare Technology</td>
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<td>Cyber Security</td>
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<td>Service Systems</td>
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<td>Operations and Supply Chain Strategy</td>
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Sectors we work with

- automotive
- aerospace and defence
- business
- construction
- energy and utilities
- food and drink
- healthcare
- IT
- security
- rail
Master’s programme

Master’s study is very different to undergraduate study. You will develop skills in critical analysis, you will hone your research skills, and you will reach a much deeper level of learning. This requires a greater degree of commitment, self-discipline, motivation and participation than you will have experienced before.

The skills you’ll develop during your Master’s year will add significantly more value than the academic content alone. You will be surprised and impressed by the degree of personal development you experience: you’ll gain confidence and leadership skills through team work, simulations, presentations, and research. The programme is not just about what you’re studying, it is about helping you to see the bigger picture, developing you as a person, and turning you into a competent manager and future leader. We provide as much support as possible through workshops, study skills sessions, and masterclasses. Being a Master’s student however requires you to take a higher degree of responsibility for your learning and development – this is an exciting, rewarding and challenging journey.

Programme structure

Our Master’s programme is 12 months in duration and runs from October to September. It is structured so that you take a combination of 9 modules, complete 9 post-module assignments and execute a major research project (dissertation). An additional 10th optional module is offered to give you further choice and flexibility.

Our courses are measured in CAT points.
1 CAT = 10 hours of learning.
1 module = 10 CATs (100 hours)*
Your project = 90 CATs *
*HOM and CSE have 8 x 15 CAT modules and a 60 CAT project

The research project represents 50% of the Master’s credits and you should work on it throughout the year, alongside your modules.

Modules

Modules are generally taught in intensive one-week blocks, from Monday to Friday, 9.00am - 6.30pm. These one-week sessions (nine in total over the academic year) are scheduled at intervals from October through to June.

Core modules are compulsory and relate specifically to the course you have chosen to study (see course pages 8-33 for details).

Elective modules are chosen from a wider list, allowing you the flexibility to tailor the programme in line with your specific interests (see page 34 for a full list of modules offered).

Project

Each student undertakes a major individual project, which will develop your research and analysis skills and enable you to specialise. This usually accounts for 50% of your overall credits and is submitted in the form of a dissertation of approximately 20,000 words. You will have an oral examination at the end of the year to defend your dissertation.

Towards the beginning of the course you will be provided with a list of projects relevant to your specific course, and closely related to research developments in industry or research at WMG. Alternatively, you may define your own project related to your individual career path or aspiration, in consultation with an appropriate academic supervisor.

Project support

You will have regular progress meetings with your project supervisor throughout the academic year. We provide extensive support to strengthen your academic and research skills with regular workshops and seminars dedicated to academic writing, project planning, research skills, and mind-mapping, in addition to the research methodology module.

Work on your project runs alongside your module work. You are expected to devote an appropriate portion of your time, and intellectual effort, to the project throughout the year.

Learning style

By blending lectures with seminars and practical exercises, we ensure you are always interacting with your peers and tutors. We use case studies, simulations, and industrial games to encourage teamwork and practical grounding of the course material. Technology enabled learning, e-learning and forum activities also support classroom learning.

Class sizes are deliberately kept small, with around 30 students in each, to encourage interaction. Larger scale lectures are delivered for some modules and are backed up by seminar and syndicate activities.

Our module leaders are experts in their fields. Guest speakers from industry and government also contribute regularly, bringing real-world insight into your learning experience.

You will have lots of opportunity to attend lectures and seminars from distinguished researchers throughout the year.

Assessment

There are no written examinations. After each module, you will be assessed by a written post-module assignment (PMA) based on the learning objectives of that module. This is typically a further 40 to 60 hours of work and consolidates your learning. Some modules will also include an in-module individual or group assessment.

Industrial visits

Visits to locally based national and international companies provide an opportunity for you to see real operations in action. These include leading retailers Amazon, Asda and Argos; car manufacturers including Jaguar Land Rover, Morgan Motors, Delphi Automotive, and Prodrive; food and drink manufacturers such as Thornton’s, Dairy Crest, Two Towers Brewery; and logistics companies TNT and DHL.
MSc Cyber Security (CSM | CAE)

Our Cyber Security Centre delivers two integrated Masters courses in Cyber Security and Management (CSM) and Cyber Security Engineering (CSE).

Who is the course designed for?

Our Masters’ courses in Cyber Security are designed for graduates who are looking to become a cyber security professional, or take a leading technical or managerial role in an organisation critically dependent upon data and information communication.

CSE is geared towards candidates seeking a technical focus on cyber security, and CSM is for those looking to understand or apply cyber security in a consultancy, strategic, business or management context.

Typically students will have a background in IT or computer science, however this is by no means essential. If you have a particular interest in cyber security, and a good level of technical competence, we would be pleased to consider your application.

The courses are equally suitable for recent graduates or those with significant work experience looking to retrain in the domain of cyber security. They attract students from across the world, with 75 nationalities currently being represented in the department. Teaching groups are kept to approximately 30 students, and each course will have one or two cohorts.

What will the course provide?

Cyber security is not simply about protecting the internet. As our world becomes ever more dependent upon digital systems, our vehicles, infrastructure, industrial controls, finances, and medical devices all exist within the cyber domain. Studying Cyber Security with us will deepen your cyberspace knowledge, so you’ll understand the nature of this evolving cyber environment, and how to protect and enhance the human experience within it.

Over the course of the year, you’ll develop a clear understanding of the cyber threat landscape and will acquire the skills to build and manage secure systems to support the strategic deployment of cyber security within a business.

The courses boast extensive support from industry experts with regular guest lecturers from companies such as IBM, Nettitude, HP, Kaspersky, PwC, and UK Law enforcement and government agencies. This mix of research-led teaching, and real-world input from external speakers will help prepare you not only to work in cyber security, but to be at, and contribute to, the forefront of this field.

Your project

Your project will support you in developing your personal research and analytical skills. Through the project, you will be able to focus on a topic of specific interest to you. You may have the opportunity to pursue this in collaboration with industry in areas spanning both cyber security technologies and management issues, including risk management, security policy, enterprise security cultures, intrusion detection, security architectures, cloud exploitation and procurement strategies, data forensics, privacy, social media, and security testing.

- The CSM project will account for 50% of your MSc grade alongside 9 x taught modules.
- The CSE project will account for 33% of your MSc grade alongside 8 x taught modules each with additional extended post-module assignments throughout the year.

After you graduate

As a Cyber Security graduate, you can expect your career to progress rapidly, carrying increasing responsibility for organisational cyber security. This may be operationally or strategically focused, in commerce or government, UK or worldwide. Past graduates have found positions within corporate information, security and technology teams, consultancy, digital investigation, government information-security departments, management tracks in information-critical organisations, and cyber security related research.

CSE is provisionally certified by GCHQ

CSM has a pathway provisionally certified by GCHQ

This course is accredited by the Institution of Engineering and Technology

Rebecca Falconer, UK
CSM student 2015-16

“This is real life! The course is perfectly designed to prepare people for a working environment. For each module, there’s an intensive week of learning that provides a wealth of information. Then through the PMA, I was able to research the subject in more depth and present my findings in a document that would be relevant to someone at board or ministerial level. It’s exactly what you do as a consultant: research and analyse information, then make your findings meaningful to a particular audience and their business priorities.”

Key facts

- Entry requirements: British Second Class Honours degree or overseas equivalent.
- Language requirement: applies to non-native English speakers
-IELTS: 6.5
-TOEFL IBT: 92.
- Study programme: Taught modules - assessed by: Post-module assignments (3,000 – 4,000 words each) In-module assessment (additional for some modules)
- Research project - assessed by: 20,000 word dissertation Oral examination
- Core modules: x 8 for CSE, x 5 for CSM
- Security Architectures and Network Defence
- Cryptosystems and Data Protection
- Information Risk Management and Governance
- Industrial Espionage and Counterfeiting
- Digital Forensics
- Elective modules: x 4 (CSM only)
Those to be chosen from:
- Cyber Intelligence and Operations*
- Cyber-physical Systems*
- Enterprise Cyber Security *
- Globalisation and Outsourcing
- Financial Analysis and Control Systems
- Leadership
- Organisations, People and Performance

*CSE is provisionally certified by GCHQ and CSM is for those looking to understand or apply cyber security in a consultancy, strategic, business or management context.

- Course duration: 12 months duration
Start date 2nd October 2017
- Tuition fees:
UK/EU: £12,800
Overseas: £23,460
Scholarships available
- Applications: www.warwick.ac.uk/go/wmgmasters/entry
- Contact: wmgmasters@warwick.ac.uk
MSc e-Business Management (e-BM)

Online engagement is a defining feature of today’s business environment. Competence in digital activity is critical to success, be that business profitability, optimised communications, or data management and analysis.

Who is the course designed for?

e-BM has been designed for those who wish to operate effectively in the e-business environment and to manage or lead either the transformation of existing business processes or the creation of new e-business activity. It is suitable for graduates from a whole range of business, engineering and science backgrounds as well as those with a qualification in IT. Approximately 25% of students have work experience before joining this programme; whilst this is beneficial, it is not necessary.

The programme attracts students from across the world – currently 75 nationalities are represented in the department and this programme has a significant intake of over 100 students, divided into teaching groups of approximately 30 per group.

What will the course provide?

This degree will equip you with the techniques to manage the strategic development of e-business based organisations and appropriate e-business technologies. You’ll develop the skills and knowledge to evaluate, manage, and improve the operational functions of an organisation and to apply the concepts of systems integration to the design and development of products and services through market analysis.

The programme focuses not only on online businesses, but also very much on the online activities and communications across more traditional organisations. Online engagement is a defining feature of today’s business environment, and as such is an essential element for most businesses, governments, and institutions.

Your project

Your project is worth 50% of your final grade and supports you in developing your personal research skills. As an e-Business student, you should focus your project on management or technology-related issues in companies involved in e-Business or e-Commerce. Recent projects have covered areas such as:

- Investigation of virtual communities for competitive advantage
- Measuring success for business websites
- Technical computing projects/systems design
- The impact of mass-customisation in the online environment
- Comparison of effectiveness of online advertising to traditional media
- ERP implementation in SMEs

After you graduate

As an e-Business graduate, you can expect to be employed in information technology and software-related companies or enterprises with existing, or developing, online e-business initiatives, across a range of sectors. Our graduates have moved into senior roles in business analysis and consultancy for internationally renowned companies from Google, Amazon, Pepsi Co. and Mars to HP, IBM, PwC, KPMG, SAP and Time Inc. Others have gone into the financial, IT, retail, media, and manufacturing sectors.

Key facts

Entry requirements:
British Second Class Honours degree or overseas equivalent in IT, Business, Engineering or a Science related discipline.

Language requirement:
- (applies to non-native English speakers)
- IELTS: 6.5
- PTE: 62
- TOEFL iBT: 92

Study programme:
- 9 taught modules – assessed by:
  - Post-module assignments (3,000 - 4,000 words each)
  - In-module assessment (additional for some modules)
- Research project – assessed by:
  - 20,000 word dissertation
  - Oral examination

Core modules: x 8
- e-Business Fundamentals
- e-Commerce
- e-Customer Relationship Management
- Digital Marketing, Software and Techniques
- Finance for e-Business
- Information Systems Management
- Supply Chain Integration
- Big Data Analytics and Visualisation* (non-compulsory)

Elective modules: x 2
- Two to be chosen from the full module list on page 34

Course duration:
- 12 months duration
- Start date 2nd October 2017

Tuition fees:
- UK/EU: £12,800
- Overseas: £23,460
- Scholarships available

Applications:
- www.warwick.ac.uk/go/wmgmasters/entry

Contact:
- wmgmasters@warwick.ac.uk

“The practical element of the programme is worth emphasising. For example, in one of our modules we analysed the website of an actual business that wasn’t performing too well. As a team, we looked at its good points, its bad points, and how it could be optimised effectively. Our aim was to maximise its performance without increasing costs. At WMG you have time to explore the subject in-depth and understand how the lessons can be put into practice in real business situations.”

Vicky Gao, China, e-BM student 2015-16

10 go.warwick.ac.uk/wmgmasters/courses/e2bm
MSc Engineering Business Management (EBM)

Progressive, technology-led companies are looking for people with both the practical engineering skills and the management skills to drive productivity and profitability.

Who is the course designed for?
EBM is designed for graduates who want become managers or leaders of technology-based organisations. It is particularly suited to students with an engineering, scientific or other technical background, who are looking to understand and develop management expertise. It is also appropriate for students who have a business or even a social science background and are looking to move into an engineering related sector.

This course has a good mix of students with prior work experience and recent graduates. It attracts students from across the world with 75 nationalities currently being represented in the department. EBM is one of our largest courses and has an intake of around 120 students each year, divided into teaching groups of approximately 30 students per group.

What will the course provide?
This course delivers a broad education in management and business, and will equip you with the analytical tools and techniques to improve internal and external operations.

During the course of the year, you will develop skills in the research, analysis, and evaluation of complex business problems, and gain a methodical approach to problem solving and decision making. You will learn about the processes and technologies used by engineering businesses, and will develop an understanding of the functional relations between business divisions that can optimise efficiency and competitiveness.

The course focuses on the key value adding activities of: market, product and process development; operations, logistics and supply chain management; and core and emerging technology. The focus on value creation for technology-based organisations is a key differentiator of EBM.

Your project
Your project is worth 50% of your final grade and supports you in developing your personal research skills. This should cover the broad area of Engineering Business Management and can be related to the management of companies in a wide range of different industrial sectors. Various aspects of business management can be addressed such as operations, financial, human resources, supply chain, or strategic management issues.

After you graduate
As a graduate of EBM you can expect to be employed as a leader of business development, manufacturing, quality assurance, human resources, or customer service in a wide variety of manufacturing or service organisations, particularly where technology plays a significant part in business success.

Recent graduates have gone on to work in a wide range of companies from manufacturing through to finance and consultancy. There are many different career paths open to you as an EBM graduate - a few recent job titles have been listed here: Customer Operations Manager, Project Controller, Trade Analyst, Consultant Analyst, Engineering Project Manager, Head of Assembly for an automotive manufacturer, Senior Procurement Manager, Investment Strategy Engineer, Product Marketing Engineer, Technology Analyst, and Supply Chain Consultant.

This course is accredited by the Institution of Engineering and Technology.

"Engineering Business Management is an amazing course for people who are looking to get an insight into management practice in an engineering environment. I was impressed by the vast amount of knowledge that was delivered by people with significant industrial experience. Apart from engaging exercises and interesting lectures, it was really insightful and beneficial to cooperate with students from so many different backgrounds and cultures. This course certainly allowed me to take a step forward to becoming a professional manager within an engineering business." — Lukasz Olech, Poland, EBM student 2015-16

Key facts

- Entry requirements: British Second Class Honours degree or overseas equivalent in a variety of disciplines including Engineering, Science, Business.
- Language requirement: (applies to non-native English speakers)
  - IELTS: 6.5
  - PTE: 62
  - TOEFL iBT: 92
- Study programme:
  - 9 taught modules – assessed by:
    - Post-module assignments (3,000 - 4,000 words each)
    - In-module assessment (for some modules)
  - Research project – assessed by:
    - 20,000 word dissertation
    - Oral examination
- Core modules: x 8
  - Financial Analysis and Control Systems
  - Organisations, People and Performance
  - Project Planning, Management and Control
  - Operations Strategy for Industry
  - Logistics and Operations Management
  - Strategic Marketing
  - Quality, Reliability and Maintenance
  - Product Design and Development Management
- Elective modules: x 1
  - To be chosen from the full module list on page 34
- Course duration: 12 months duration. Start date 2nd October 2017
- Tuition fees:
  - UK/EU: £12,800
  - Overseas: £23,460
- Scholarships available
- Applications:
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- Contact:
  - wmgmasters@warwick.ac.uk
Developed within the Institute of Digital Healthcare, this programme drives the implementation of innovative digital technologies and services to facilitate improvement in the complex healthcare service sector.

**Who is the course designed for?**
This MSc in Healthcare Operational Management has been designed to fulfil the specific needs and requirements of graduates interested in a management or leadership role within the complex healthcare service sector. It is suitable for graduates from a broad range of academic disciplines across technical, scientific, medical, management and social sciences.

This course has an excellent mix of students with prior work experience and recent graduates. It attracts students from across the world with 75 nationalities currently being represented in the department. We take a single cohort of up to 30 students on this Master's stream, making it a very close knit group.

**What will the course provide?**
Healthcare organisations share commonalities with production facilities, including the need for efficient process flow, change management, and quality standards. As a student you will explore the principles, approaches, strategies, and techniques for analysing, designing, and managing complex healthcare systems. You will learn to measure efficiency and improve effectiveness, productivity, quality, and safety.

Throughout the year, you’ll acquire the skills and knowledge to assess organisational performance and drive the development and implementation of innovation in healthcare organisations in order to bring about improvement.

You will learn about the workings of health systems and the processes that have impact on the industry today, such as the transformative abilities of technology and data.

We will provide you with an insight into health systems modelling, e-health, health informatics, and epidemiology. Ultimately, you will gain the essential knowledge to manage the integration of people, systems, and technologies to ensure the delivery of consistent high quality, person-centric care.

**Your project**
Your project is worth 33% of your final grade and supports you in developing your personal research and analytical skills. Your research will be related to issues of quality and productivity in the healthcare context and will provide opportunity for you to focus on particular interest to you - some project examples are listed below:

- Implementing innovation in hospital care
- Improving service design through the use of informatics
- Service design for quality improvement
- Improving service delivery through use of technology
- Cost-effective service design

**After you graduate**
Healthcare is a dynamic sector with ever increasing demands worldwide. There is a constant need for experts with the knowledge, skills and expertise to manage and drive innovation, implement change and improve quality and efficiency in healthcare services.

As a graduate of HOM, you will have a broad range of career opportunities open to you within managerial or organisational leadership roles in the UK and across the world. With additional experience, you would expect to progress into a key executive role in the healthcare sector, which would involve leading and overseeing programmes, service transformation and policy.

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MSc Innovation and Entrepreneurship (IAE)

New business success typically requires a rare combination of innovation, technical skills, and entrepreneurial know-how. We focus on these to increase the chances of success for your new product or service based businesses.

Who is the course designed for?

IAE is designed for entrepreneurs, or graduates with entrepreneurial flair who are looking to establish their own business.

It is designed for people who see opportunities all around them, and who want to achieve their dreams of creating a business that can harness those opportunities. It is an exciting programme that will give you the mind-set, tools and techniques to turn your ideas into a successful business.

Students join IAE from all academic disciplines, from engineering and business, through to creative arts and humanities. A good proportion of IAE students already have professional experience and are at the stage in their career where they want to launch their own company. Others come as recent graduates, typically from an entrepreneurial family, and are looking at expanding and innovating the family firm, developing new markets and product or service lines.

This course attracts students from across the world - currently 75 nationalities are represented in the department and IAE has an intake of around 120 students, divided into teaching groups of approximately 30 per group.

Your project

Your project is worth 50% of your final grade and is devoted to rigorously developing your business idea, so that by the end of the course you will be in a position to launch your business.

The project is run in accordance with a “New Product Development Plan”, developed with a range of industrial partners and tested with real new product business ideas. Work on your project runs concurrently with your module study and you will be appointed a tutor to supervise you.

What will the course provide?

You will learn to apply best-practice approaches to designing, developing, and running your own innovation-driven, often globally orientated, business. It's a practical course, covering the process from generating new business ideas, developing and refining ideas, and designing the infrastructure right through to launching the business. You’ll focus on how innovation can be exploited in technological and business contexts, to increase success for new product or services based businesses.

Throughout the year, you’ll cover themes such as business modelling, sales, starting a new business, innovation, leadership, managing change and financial analysis. You will use the latest methods and technologies to support these processes and will have extensive opportunity to both develop and practice your skills for making appropriate judgements regarding the choices in your business development.

After you graduate

Our graduates typically start their own business, and we’ve seen them become successful in a wide range of sectors, including: food and drink, music, electrical manufacturing, digital education, oil and gas, outsourcing, consultancy, fashion, textiles, luxury goods and jewellery, logistics, and finance.

Being an entrepreneur is not just about making money, but creating value to help to improve people’s lives. Many of our graduates have developed social enterprises, such as housing projects in refugee camps, food distribution for the needy, digital applications for those with specific learning needs, and various community enterprise programmes.

The skills gained on this course are also extremely valuable for existing businesses, especially where there is interest in moving into new product or service areas. Other IAE graduates are now working for companies such as Vodafone, Samsung Electronics, Nielsen, Cisco, Austrian Airlines, ExxonMobil, Sony, Jaguar Land Rover, Johnson & Johnson, to name but a few.

**Entry requirements:**

British Second Class Honours degree or overseas equivalent in a variety of disciplines. Applicants should be able to demonstrate their entrepreneurial flair in their Statement of Purpose.

**Language requirement:**

(applies to non-native English speakers)

IELTS: 6.5  
PTE: 62  
TOEFL iBT: 92

**Study programme:**

9 taught modules – assessed by:  
- Post-module assignments: (3,000 – 4,000 words each)  
- In-module assessment (additional for some modules)

**Research project – assessed by:**

- 20,000 word dissertation  
- Oral examination

**Core modules: x 7**

- Business Model Generation  
- Establishing a New Business  
- Leadership  
- Financial Analysis and Control  
- Systems  
- Innovation  
- Sales and Sales Management  
- Management of Change

**Elective modules: x 2**

Two to be chosen from the full module list on page 34

**Course duration:**

12 months duration  
Start date 2nd October 2017

**Tuition fees:**

UK/EU: £12,800  
Overseas: £23,460  
Scholarships available

**Applications:**

www.warwick.ac.uk/go/wmgmasters/entry

**Contact:**

wmgmasters@warwick.ac.uk

**Key facts**

- Entry requirements:
- Language requirement:
- Study programme:
- Research project – assessed by:
- Core modules: x 7
- Elective modules: x 2
- Course duration:
- Tuition fees:
- Applications:
- Contact:
MSc International Technology Management (ITM)

In the context of a global business environment, this programme is about how to deliver value and benefit to ourselves and our customers through the exploitation of innovation and technological change.

Who is the course designed for?
ITM is designed for graduates who aspire to a leadership position in high-tech, high-growth, globally operating companies. Typically students will have a background in IT, telecommunications, engineering or business management, but the programme is also open to highly motivated students from other disciplines.

This course has a good mix of students with prior work experience and recent graduates. It attracts students from across the world with 75 nationalities currently being represented in the department. We usually take a single cohort of up to 30 students on this Master’s stream, making it a very close knit group.

What will the course provide?
This course gives an interdisciplinary perspective on the key issues facing global organisations. It is all about delivering value in the context of a global environment and exploiting technologies to deliver benefit to ourselves and our customers.

As a student, you will gain a very broad skill set, which will enable you to manage the development, acquisition and operation of technology in a global, competitive environment. The programme aims to create flexible individuals who can analyse business opportunities, operationalise technologies, and innovate in ways of working. You will learn to evaluate a business opportunity, operationalise technologies, and innovate in ways of working. You will learn to evaluate a business opportunity, operationalise technologies, and innovate in ways of working.

After you graduate
As an ITM graduate there are numerous career paths open to you. Having developed a strong understanding of how technology can best be exploited to contribute to global success, you will be especially suited to roles in companies which operate internationally. You can expect a leadership position within a variety of key functions in manufacturing or service organisations, particularly where technology plays a significant part in business success.

Recent graduates have gone into various consultancy, project management, analyst, account management and systems engineering roles, with companies such as: IBM, Jaguar Land Rover, Unicorn e-Learning, Bladon Jets, Huawei, Avarade, Telexpress, Vidyo Telecommunications, and Cisco Systems.

Key facts

**Entry requirements:**
- British Second Class Honours degree or overseas equivalent in a variety of disciplines.
- Language requirement:
  - (applies to non-native English speakers)
  - IELTS: 6.5
  - TOEFL iBT: 92

**Study programme:**
- 9 taught modules – assessed by:
  - Post-module assignments (3,000 – 4,000 words each)
  - In-module assessment (additional for some modules)
- Research project – assessed by:
  - 20,000 word dissertation
  - Oral examination

**Core modules:**
- Technology Management
- Global Business Environment
- International Joint Ventures
- Collaborative Product Development
- Product Design and Development Management
- Supply Chain Integration
- Organisations, People and Performance
- Financial Analysis and Control Systems

**Elective modules:**
- x 1

One to be chosen from the full module list on page 34

**Course duration:**
- 12 months duration
- Start date 2nd October 2017

**Tuition fees:**
- UK/EU: £12,800
- Overseas: £23,460
- Scholarships available

**Applications:**
- www.warwick.ac.uk/go/wmgmasters/entry

**Contact:**
- wmgmasters@warwick.ac.uk

This course is accredited by the Institution of Engineering and Technology.

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**Scholarships available**

**As a Technical Product Manager, I manage projects to develop and improve tailored platforms used by some of the world’s best-known travel companies. I’ve recently been involved in contract negotiations and what I learned at WMG gave me the confidence to make a really positive contribution. The leadership skills I developed during my studies have given me the confidence to suggest new and more effective team structures, stand up for my team and change the way we work so that people enjoy their jobs while being as productive as possible. When I chose to study at WMG, I didn’t realise that it would make me such a strong leader.”

Ravi Jassal, UK, ITM graduate 2014-15, Technical Product Manager, Ping An, a Forbes Top 50 company, China.
MSc International Trade, Strategy and Operations (ITSO)

Modern business trades across international boundaries, so a thorough knowledge and understanding of the management and operational requirements to trade successfully in international markets is essential to success.

Who is the course designed for?

ITSO is designed for graduates looking for an International Business degree that focuses on the application of theory into practice.

Students may have already studied business-related programmes, but this course is also very much open to those with other academic backgrounds. Typically the course attracts students from social sciences such as economics or international relations, and those with a more technical background now looking to apply themselves in an international business capacity.

This course has a mix of students with prior work experience and recent graduates. It attracts students from across the world with 75 nationalities currently being represented in the department. ITSO has an intake of nearly 100 students, divided into teaching groups of approximately 30 per group.

What will the course provide?

This course will give you a comprehensive overview of how international companies operate. It will deepen your knowledge and understanding of the management and operational requirements necessary to trade successfully in international markets. You’ll develop a broad set of skills that will enable you to get involved in the whole business process, from initial engagement with a new market through to the delivery of a product or service.

Throughout the year, you will learn to identify business opportunities, formulate strategic options and define business winning propositions, as well as to manage, lead change and improve operational and supply chain processes within international business.

Because this programme is heavily focused on the application of theory into practice, you will be able to envisage how the skills developed throughout your studies will be used to best advantage in a professional environment.

Your project

The project is worth 50% of your final grade and supports you in developing your personal research skills as well as enabling you to focus on an area of particular interest for your career path.

The project should relate to one or more of the following aspects of trading in an international context:

- International sales and marketing
- Transport, logistics, supply chain, and customs compliance
- Financial management
- Legal aspects of international trade
- Business management and trade strategy
- Operations and service management

After you graduate

After graduating from ITSO, a wide range of career options will be open to you, including managerial roles within: transportation and logistics; business development; relationship management and negotiation; strategy implementation; customs and the legal aspects of international business.

The onus on the practical application of theory means that you’ll be in the advantageous position of being able to take on a useful professional role right from the outset, maximising your employment prospects. International trade is relevant across all industry sectors including manufacturing, engineering and automotive businesses, retail and wholesale enterprises, financial services, and other service sector organisations.

This course is accredited by the Institute of Export and International Trade (IOE).
The framework for the Management for Business Excellence degree is the European Excellence Model, created to help organisations develop towards the achievement of sustainable excellence.

Who is the course designed for?
MBE is designed for high achievers who want to be challenged in their approach to business management and problem solving.

The course is delivered in a radically different learning environment, which incorporates blended learning approaches, stimulates teamwork, and develops a deep understanding of content. It is rich in applied exercises guided by the MBE tutor team, all of whom are acknowledged experts in their fields. Learning is supported by tutorials and seminars to discuss and explore web-based content, through which you will understand contexts and real-world application of theories, principles and techniques. Teaching groups are limited to 24 students per class, the optimum size for this level of interactive learning. Typically students will have a background in engineering, business management, finance or economics, but MBE is open to graduates from any academic background.

What will the course provide?
Throughout the course, you will gain a detailed understanding of the philosophies, strategies, processes and techniques that enable change and the management of excellence in a business. You will develop key management and technology skills, and will learn about customer-focused product and process development, asset and resource management, and six-sigma. You’ll learn by direct practical application of techniques and theories, with the emphasis on how to use and adapt knowledge and information.

Within multidisciplinary and multinational teams, you will generate credible and practical solutions to real world problems.

MBE coursework will be formatively assessed. This means that you will be required to pass your modules, and you will be given feedback on the strengths of the work and areas for improvement, but no mark will be awarded.

Your project
Your project is an extended piece of work requiring at least 50% of your time and effort over the course of the year. For MBE, your project alone will determine the award of a degree with or without a merit or distinction. It supports you in developing your personal research skills and allows further integration of understanding. Throughout your project you will have the opportunity to focus on a topic within an area of particular interest to you. Recent dissertation titles have included:
- An investigation into the links between Corporate Social Responsibility (CSR) and the European Excellence Model
- Developing a tool to audit organisational learning from six sigma projects
- Application of excellence models in Chinese engineering enterprises
- Creating a suitable improvement and learning model to achieve fundamental improvement in the construction industry

After you graduate
MBE graduates have gone on to become managers and leaders in business development, new product development, consultancy, quality assurance, human resources management, customer services, manufacturing management and engineering management. With further experience, you would expect to attain a key executive role and be responsible for leading strategy and policy. You will have developed the skills and knowledge necessary to benchmark organisational performance against world best-in-class. MBE graduates will have the ability to drive corporate transformation and improvement, for all aspects of performance including market share, customer satisfaction, employee development and financial results, to name but a few.

Key facts
- Entry requirements:
  - British Second Class Honours degree or overseas equivalent in a variety of disciplines including Business, Engineering, Science, Economics.
  - Language requirement:
    - (applies to non-native English speakers)
    - IELTS: 6.5
    - PTE: 62
    - TOEFL iBT: 92
- Study programme:
  - 9 taught modules - formative assessment:
    - Post-module assignments (3,000 - 4,000 words each)
    - In-module assessment (for some modules)
- Research project - assessed by:
  - 20,000 word dissertation
  - Oral examination
- Core modules: x 8
  - Creating Business Excellence
  - Leadership and Excellence
  - Robust Decision Making
  - Process Improvement using Six Sigma
  - Product Excellence using Six Sigma
  - Knowledge-based Asset Management
  - Financial Analysis and Control Systems
  - Organisations, People and Performance
- Elective modules: x 1
  - One to be chosen from the full module list on page 34
- Course duration:
  - 12 months duration
  - Start date 2nd October 2017
- Tuition fees:
  - UK/EU: £12,800
  - Overseas: £23,460
  - Scholarships available
- Applications:
  - www.warwick.ac.uk/go/wmgmasters/entry
- Contact:
  - wmgmasters@warwick.ac.uk

"I am now with a leader in cloud-based distance learning solutions in Cologne, Germany. It was a great opportunity to join a pioneering business that’s transforming learning within some of the world’s biggest companies. Mine is very much a consulting role, working closely with engineering and pharma companies to develop learning solutions that can empower their workforces and drive their business growth. The knowledge I gained on my MSc course is really helping me here. I feel that I understand businesses and the challenges they face. I can speak to senior people with confidence, and I can quickly gain their respect. The course has transformed me, both as a business professional and as a person."

Carina Latz, Germany, MBE graduate 2014-15
MSc Manufacturing Systems Engineering and Management (MSEM)

As products become increasingly complex, so do the manufacturing systems required to produce them. MSEM is about designing and managing the most efficient means of production, in order to make the best products.

Who is the course designed for?
MSEM is designed for engineering graduates interested in manufacturing systems and operations management. The course is suitable for engineers already working in industry and wanting to make the transition to engineering manager, and for recent graduates looking to fast-track their career in order to take a leading role within the manufacturing sector.

Approximately 50% of students have work experience before joining this programme. Whilst this is beneficial, it is not essential and we are pleased to accept highly motivated recent graduates.

The course attracts students from across the world - currently 75 nationalities are represented in the department. We usually take a single cohort of up to 30 students on this Master’s stream, making it a very close knit group.

What will the course provide?
This course combines value creation with strategic development in a manufacturing environment, providing you with the latest manufacturing techniques and processes. We work at the forefront of emerging technologies, and through collaborative R&D with industry partners we drive the transfer of knowledge into new areas. As an MSEM student, you will benefit from much of the dynamic research carried out in the areas of advanced materials and processes, additive layer manufacturing, automation and robotics, machining technology, and digital manufacturing.

You will develop an understanding of the concepts of manufacturing engineering systems and the skills to analyse, design, and implement these systems in practice. You will also gain an understanding of strategic and operational management and learn how to apply technology, quality tools, and specific techniques in order to improve operations.

Throughout the year, you will be introduced to state-of-the-art manufacturing processes, technology, and materials in our world class Engineering Hall and International Institute for Manufacturing Processes and Technology.

Your project
Your project is worth 50% of your final grade and supports you in developing your personal research skills. For MSEM students, this should be centred around manufacturing systems or manufacturing technologies and their management. Projects will often focus on manufacturing processes, process planning and improvement, or machining and machine tools.

Some examples of recent projects include:
- Novel techniques for high performance lightweight engine manufacture
- Manufacturing process improvement using Lean and/or Six Sigma methods
- Simulation and optimisation of production systems: collaborative project with Jaguar Land Rover and suppliers
- Digital modelling of factory work cells for performance assessment
- Dynamic generation of human-machine interface for automation systems

After you graduate
As a graduate of MSEM, you can expect to be employed as a leader in general or manufacturing engineering management.

Graduates from this course have gone on to work for a range of UK and internationally-based manufacturing companies within various sectors. Positions include Manufacturing Manager, Lead Engineer, General Operations Manager, Production Engineer, Site Manufacturing Improvement Manager, Materials Planner, Manufacturing Operations Engineer, and Project Manager.

This course is accredited by the Institution of Engineering and Technology.

"For me, this course was an incredible experience - to study in a world class institution with such impressive R&D facilities is off the scale of what I expected. I greatly improved my knowledge and understanding of manufacturing systems both in terms of manufacturing technologies and operations management. There was a very good balance between the academic, the practical and the research elements. It has taught me a new way to approach problems and find solutions."

Sibi Maran, India
MSEM student 2015-16

Key facts
- Entry requirements:
  - British Second Class Honours degree or overseas equivalent in Engineering.
- Language requirement:
  - (applies to non-native English speakers)
  - IELTS: 6.5
  - TOEFL iBT: 92

Study programme:
9 taught modules - assessed by:
- Post-module assignments (3,000 - 4,000 words each)
- In-module assessment (additional for some modules)

Research project - assessed by:
- 20,000 word dissertation
- Oral examination

Core modules: x 8
- Industrial Engineering
- Manufacturing Process Technology
- Operations Strategy for Industry
- Quality, Reliability and Maintenance
- Project Planning, Management and Control
- Logistics and Operations Management

Including two from:
- Automation and Robotics
- Machining Technology
- Advanced Materials and Processes
- The Virtual Factory
- Problem Solving with Statistics

Elective modules: x 1
To be chosen from the full module list on page 34

Course duration:
12 months duration
Start date 2nd October 2017

Tuition fees:
UK/EU: £12,800
Overseas: £23,460
Scholarships available

Applications:
www.warwick.ac.uk/go/wmgmasters/entry

Contact:
wmgmasters@warwick.ac.uk
MSc Programme and Project Management (PPM)

Companies are often strategically organised through a series of projects, programmes, and portfolios, which enables them to focus clearly on specific objectives and manage resources effectively to achieve them.

Who is the course designed for?
PPM is designed for graduates who want to move into project management, either in their current technical and business field, or into a new field of expertise. Students on this course can have a very wide range of academic and professional backgrounds.

Typically we receive graduates from civil and other engineering streams, architecture and design, IT, finance, accounting, business, sciences and social sciences. Approximately 25% of students have work experience before joining this course, and whilst this is beneficial, it is not necessary.
PPM attracts students from across the world – currently 75 nationalities are represented in the department and this course is one of the largest currently 75 nationalities are represented in the department and this course is one of the largest.

What will the course provide?
Programme and Project Management at Warwick will provide you with a broad set of skills which have wide application. During the course of the year, you’ll gain practical experience through applied syndicate activities and current case studies, delivered by professionals in the field. You will develop a methodical approach to the management of financial aspects of projects and programmes and will learn about the strategic management of people in organisations and how this relates to the wider business strategy. You will learn, this course gives a much wider business perspective. It contextualises communication, negotiation, leadership development, people management and change management. Every module included simulations, and through these scenarios I was able to understand how the theory I was learning is applied in the real world. It helped me make sense of all the complex issues a project or programme manager has to address.

Your project
Your project is worth 50% of your final grade and supports you in developing your personal research skills. Through your project you will have the opportunity to focus on a topic within an area of particular interest to you. This can be related to projects in a number of different industrial sectors and can address many different aspects of project and programme management. Examples of recent projects include:
- Managing change in organisations and teams
- Developing a serious game for training in project management
- Risk-based design for project management systems
- Creating change capability in organisations

After you graduate
PPM graduates can expect to be employed in service industries, information technology, engineering or any other business area needing project management skills. Some of our recent graduates have gone into project planning and management roles with BAE Systems, Alstom Power, Reed Recruitment, Network Rail, Vogue, Disneyland, Ashford and McGuire.
Other PPM graduates have gone on to work with: Ferrovial (Statistical Analyst), IBM (System Analyst), China Everbright Bank (Risk Manager), DTZ (Marketing Officer), Government of Punjab (middle-management), and Evalueserve Business Consulting (Business Analyst).

This course is accredited by the Association for Project Management (APM).

Entry requirements:
British Second Class Honours degree or overseas equivalent in a variety of disciplines. A good level of numeracy is important.

Language requirement:
(applies to non-native English speakers)
IELTS: 6.5
PTE: 62
TOEFL iBT: 92

Study programme:
9 taught modules – assessed by:
- Post-module assignments (3,000 – 4,000 words each)
- In-module assessment (additional for some modules)

Research project – assessed by:
- 20,000 word dissertation
- Oral examination

Core modules: x 7
- Project Planning, Management and Control
- Programme and Project Strategy
- International Joint Ventures
- Managing the Multi-Project/ Programme Environment
- Organisations, People and Performance
- Management of Change
- Financial Analysis and Control Systems

Elective modules: x 2
Two to be chosen from the full module list on page 34

Course duration:
12 months duration Start date 2nd October 2017

Tuition fees:
UK/EU: £12,800
Overseas: £23,460
Scholarships available

Applications:
www.warwick.ac.uk/go/wmgmasters/entry
Contact:
wmgmasters@warwick.ac.uk

Key facts

- Entry requirements: British Second Class Honours degree or overseas equivalent in a variety of disciplines. A good level of numeracy is important.
- Language requirement: (applies to non-native English speakers) IELTS: 6.5, PTE: 62, TOEFL iBT: 92
- Study programme: 9 taught modules – assessed by: Post-module assignments (3,000 – 4,000 words each), In-module assessment (additional for some modules)
- Research project – assessed by: 20,000 word dissertation, Oral examination
- Core modules: x 7
- Project Planning, Management and Control
- Programme and Project Strategy
- International Joint Ventures
- Managing the Multi-Project/ Programme Environment
- Organisations, People and Performance
- Management of Change
- Financial Analysis and Control Systems
- Elective modules: x 2
- Two to be chosen from the full module list on page 34
- Course duration: 12 months duration Start date 2nd October 2017
- Tuition fees: UK/EU: £12,800 Overseas: £23,460 Scholarships available
- Applications: www.warwick.ac.uk/go/wmgmasters/entry
- Contact: wmgmasters@warwick.ac.uk

PPM student 2015-16, Suonvisal Seth, Cambodia, Chevening Scholar

"Alongside the specific, technical project management skills you learn, this course gives a much wider business perspective. It contextualises communication, negotiation, leadership development, people management and change management. Every module included simulations, and through these scenarios I was able to understand how the theory I was learning is applied in the real world. It helped me make sense of all the complex issues a project or programme manager has to address."
In today’s complex business environment, where so much of global GDP is now service-related, service science is both an exciting and crucial area in which businesses must increase their expertise to stay ahead. 

**Who is the course designed for?**

SMD is designed for graduates who are outward looking, forward thinking and interested in designing businesses for the future. It is appropriate for students from all academic backgrounds, who have a broad perspective and understanding of the interdisciplinary work involved for effective service business.

This course has a good mix of students with prior work experience and recent graduates. It attracts students from around the world with 75 nationalities currently being represented in the department. SMD takes a single cohort of up to 30 students, making it a particularly close knit group.

**What will the course provide?**

Fundamentally, the course will demystify what creates excellent service. You will learn the tools and techniques to confidently design the service systems needed to work well with your customer, and to ensure the best outcomes are achieved. You’ll learn to structure a service organisation and look at excellence in service from a variety of international sector perspectives.

Our Service Systems research group has been working alongside leading companies and organisations such as MOOG, IBM, Rolls-Royce, British Airways, and the NHS, to actively shape research and teaching in this area. In engineering companies for example, there has been a fundamental shift from product-centric to service-centric thinking, whereas in order to stay competitive, a key question in any business is ‘what is my customer trying to achieve?’

This course will review operationally how you go about building reputation, relationships, and brand with your customer. It will help you how you go about building reputation, relationships, and brand with your customer. It will show you how you go about building reputation, relationships, and brand with your customer. It will help you.

**Your project**

Your project is worth 50% of your final grade and supports you in developing your personal research skills. Through your project you will have the opportunity to focus on a topic within an area of particular interest to you. A number of SMD dissertations have led to journal and conference publications and KTPs (Knowledge Transfer Partnerships).

Some examples of recent projects include:
- Lean Six Sigma in service management and design
- Mobile technology adoption by consumers
- Future business models in the media entertainment industry
- The design of a smart FMCG delivery service
- Sustainability assessment for spiritual tourism
- Servitisation guidelines for SMEs in production sector: case study in Thailand
- Re-setting customer expectations in the Chinese insurance industry
- Assessing current technologies for blind people to access the internet
- Students on SMD will have the opportunity to get a certification in ‘Lean Six Sigma Green Belt’

**After you graduate**

This course is aimed at future leaders and managers of service-based organisations. It is not sector specific and is applicable to a wide range of industries including healthcare, finance, IT, travel, retail, education, hospitality and tourism, oil and gas, and even the ‘servitisation’ of manufacturing companies, looking at the transition from product-centric to service-centric thinking.

As an SMD graduate you could expect to work within operations management, business transformation, customer service, and service support strategy roles within any business, from local SMEs to global organisations.

“Business simulations were an integral part of the programme. Everything we were taught was related to what’s happening in industry. That was thoroughly refreshing - I never felt I was learning something for the sake of it. I was shown how to apply what I was being taught in real-life situations.

With regards to the post-module assignments, I liked the way I was encouraged to constantly interrogate and challenge information. I found this a far better way of learning than sitting exams, because you have the time to become totally immersed in the topic. By carrying out your own research and investigations, you learn a whole lot more – and you remember what you’ve learned. Above all, the course gave me a whole new perspective on how services work.”

Valentina Munoz, Venezuela, SMD graduate 2014-15, Analyst, KPMG’s Technology Risk Consulting Team, UK

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**Key facts**

**Entry requirements:**
British Second Class Honours degree or overseas equivalent.

**Language requirement:**
(appplies to non-native English speakers)
IELTS: 6.5
PTE: 62
TOEFL iBT: 92

**Study programme:**
9 taught modules - assessed by:
- Post-module assignments
- In-module assessment
- Research project - assessed by:
  - 20,000 word dissertation
  - Oral examination

**Core modules:**
- x 5
  - Service Design and Delivery
  - Service Support Technologies
  - Reputation and Relationship Management
  - Leading Change
  - Financial Analysis and Control Systems

**Elective modules:**
- x 4
  - Four to be chosen from those recommended on page 34 including:
    - Organisations, People and Performance
    - e-Customer Relationship Management
    - Business Strategy and Strategic Management
    - Lean Principles and Application

**Course duration:**
12 months duration
Start date 2nd October 2017

**Tuition fees:**
UK/EU: £12,800
Overseas: £23,460
Scholarships available

**Applications:**
www.warwick.ac.uk/gs/wmgmasters/entry

**Contact:**
wmgmasters@warwick.ac.uk
MSc Supply Chain and Logistics Management (SCLM)

As our global reach becomes ever more apparent, there is a need and opportunity for organisations to connect together to deliver added-value to the consumer through interlinked supply chains and efficient logistics.

Who is the course designed for?
SCLM is designed for graduates who want to work within logistics and supply chain management across a variety of business sectors.

Typically students will have a background in engineering, maths, statistics, business or management studies. Highly motivated graduates from other disciplines will also be considered.

This course has a good mix of students with prior work experience and recent graduates. It attracts students from across the world with 75 nationalities currently being represented in the department. SCLM is one of our largest courses with an intake of nearly 150 students divided into teaching groups of approximately 30 per group.

What will the course provide?
The central content is the concept of a supply network: constructing the relationships which bring it into being; and distributing the product. This is supported by simulations and practicals throughout the year, I now feel really well equipped to step into a commercial environment and put it all into practice.

As a graduate of SCLM, you could work within a whole spectrum of different manufacturing or service companies, including providers of third party logistics as specialists in supply chain, planning or logistics.

Recent graduates have taken a variety of career paths, and many go on to graduate traineeships, consultancy roles or management positions. Others have gone into analyst or specialist positions including Supply Chain Specialist, Supply Planner, Replenishment Analyst, and Supply Chain Analyst.

Your project
Your project is worth 50% of your final grade and supports you in developing your personal research skills. Through your project you will have the opportunity to focus on a topic within an area of particular interest to you. This may be purchasing or outsourcing, material or production control, inventory reduction, material flow, warehousing and distribution, supply chain management, transport planning, product lifecycle management, reverse logistics, or one of many other related areas.

Some examples of recent projects include:
- Simulation of goods handling at an international seaport
- Delivery performance of a steel foundry in Asia
- Analysis of alternative forecasting methodologies
- Forecasting demand in a changing market

After you graduate
As a graduate of SCLM, you could work within a whole spectrum of different manufacturing or service companies, including providers of third party logistics as specialists in supply chain, planning or logistics.

This course is accredited by the Chartered Institute of Purchasing and Supply (CIPS) and The Chartered Institute of Logistics and Transport (CILT). Graduates may apply for respective memberships on successful completion.

Key facts
- Entry requirements: British Second Class Honours degree or overseas equivalent in a variety of disciplines.
- Language requirement: (applies to non-native English speakers)
  - IELTS: 6.5
  - PTE: 62
  - TOEFL iBT: 92
- Study programme:
  - 9 taught modules - assessed by:
    - Post-module assignments (3,000 - 4,000 words each)
    - In-module assessment (for some modules only)
  - Research project - assessed by:
    - 20,000 word dissertation
    - Oral examination
- Core modules: x 7
  - Supply Chain Management
  - Logistics and Operations Management
  - Procurement and Inventory Management
  - Storag and Warehouse Techniques
  - Transportation Techniques and Management
  - Organisations, People and Performance
  - Financial Analysis and Control Systems
- Elective modules: x 2
  - Two to be chosen from the full module list on page 34
- Course duration:
  - 12 months duration
  - Start date 2nd October 2017
- Tuition fees:
  - UK/EU: £12,800
  - Overseas: £23,460
  - Scholarships available
- Applications:
  - www.warwick.ac.uk/go/wmgmasters/entry
- Contact:
  - wmgmasters@warwick.ac.uk

"The teaching isn’t just academically focused: as well as covering the technical aspects of each subject, we learned how businesses operate in the global arena. Thanks to the regular simulations and practicals throughout the year, I now feel really well equipped to step into a commercial environment and put it all into practice.

I am now planning to start up my own delivery business back in Malaysia. The course has given me so much confidence - I’m looking forward to this next phase of my career.

Saruz Sabri, Malaysia
SCLM student 2015-16"
MSc Sustainable Automotive Engineering (SAE)

Our experimental facilities enable academics and industry practitioners to work together to overcome the strategic challenges of battery design and integration, vehicle lightweighting, and digital validation.

Who is the course designed for?
SAE is designed for engineering or computer science graduates with an interest in automotive innovation. It is ideally suited to those aspiring to become research managers and technology leaders within the strategically important areas of vehicle electrification and sustainability.

This course has a good mix of students with prior work experience and recent graduates. It attracts students from across the world with 75 nationalities currently being represented in the department. It is a highly interactive and practical programme so class sizes are kept small. The core modules involve extensive lab work in our experimental facilities and offer excellent networking opportunities within research teams and with industry.

What will the course provide?
Throughout the course of the year, you will gain a holistic understanding of the different technology options and methods for design, system integration, and verification that will drive the market introduction of new energy efficient vehicles.

With access to our world class R&D facilities including the Energy Innovation Centre, the Vehicle Energy Facility, and the Engineering Hall, you’ll be using the latest technologies to design and evaluate the next generation of automotive products that have a lower environmental impact than conventional vehicles. You’ll learn the latest innovations in research, technology management, and leadership that are pre-requisite for career progression within the international automotive industry.

Your project
Your project is worth 50% of your final grade and supports you in developing your personal research skills. Leveraging the close partnerships that we have with key organisations within the automotive supply chain, we envisage that your project will have an industrial sponsor and be closely aligned with overcoming a real world problem in the areas of vehicle electrification and sustainability. Many of the projects feed directly into larger research programmes and will require you to liaise directly with senior academics, researchers, and industry partners.

After you graduate
As an SAE graduate, you can expect to take a leadership role with a vehicle manufacturer or specialist supplier. We would expect you to become a research manager or technology leader within the strategically important areas of vehicle electrification and sustainability. You will have gained the management skills, technical awareness, and vision to assess different technology options within the context of environmental legislation and consumer expectations for vehicle quality, reliability, and performance.

Jose Lopes, MPH, CEng, FIET, FI MechE,
Head of Technical Excellence Jaguar Land Rover

“JLR’s ability to drive the automotive market largely depends on its ability to successfully lead high technology R&D programmes. This can only be achieved through ready availability of a skilled workforce. I strongly believe that this MSc course is timely in addressing this skills shortage and the Energy and Electrical Systems group at WMG are best-placed to design, develop and successfully deliver such offerings.”
At WMG you will have the opportunity to take the 'Integration of Business Processes with SAP ERP' course in addition to your MSc programme modules. This course is your first step in becoming an SAP ERP Business Process Expert and the SAP Consultant Certificate is awarded to those passing the exam. The course is open to students from all MSc streams.

Full module list

- Advanced Materials and Processes
- Automotive Hybridisation and Electrification
- Big Data, Analytics and Visualisation
- Business Model Generation
- Business Strategy and Strategic Management
- Collaborative Product Development
- Computer Programming
- Computer Graphics and Visualisation
- Creating Business Excellence
- Cryptosystems and Data Protection
- Cyber Intelligence and Operations
- Cyber-physical Systems
- Design for the Environment
- Digital Forensics
- Digital Marketing, Software and Techniques
- e-Business Fundamentals
- e-Commerce
- e-Customer Relationship Management
- Electronic Healthcare Records
- Energy Storage and High Voltage Automotive Systems
- Enterprise Cyber Security
- Enterprise Information Systems
- Epidemiology and Statistical Methods
- Establishing a New Business
- Finance for e-Business
- Financial Analysis and Control Systems
- Financial Strategy
- Global Business Environment
- Globalisation and Outsourcing
- Health and Safety, Risk and Environment
- Industrial Engineering
- Industrial Espionage and Counterfeiting
- Information and Communication Technologies
- Information Risk Management and Governance
- Information Systems Management
- Innovation
- International Joint Ventures
- International Trade
- Introduction to Health Informatics
- Knowledge Based Asset Management
- Leadership (or Leadership and Excellence)
- Leading Change (in the Healthcare Environment)
- Lean Principles and Application
- Lightweight Materials and Structures
- Legal Aspects of a Global Business
- Logistics and Operations Management
- Machining Technology
- Management of Change
- Managing the Multi-Project/Programme Environment
- Manufacturing Process Technology
- Manufacturing Technology
- Operations Strategy for Industry
- Organisations, People and Performance
- Operational Management & Clinical Systems Improvement
- Problem Solving with Statistics
- Process Improvement Using Six Sigma
- Procurement and Inventory Management
- Product Design and Development Management
- Product Excellence using Six Sigma
- Programme and Project Strategy
- Project Planning, Management and Control
- Propulsion Technology for Hybrid and Electric Vehicles
- Quality and Productivity in Health Service Systems
- Quality, Reliability and Maintenance
- Reputation and Relationship Management
- Robust Decision Making
- Sales and Sales Management
- Security Architectures and Network Defence
- Service Design and Delivery
- Service Support Technologies
- Strategic Marketing
- Supply Chain Integration
- Supply Chain Management
- Systems Modelling and Simulation
- Technology Management
- The Virtual Factory
- Transport Techniques and Management

Recommended electives

- CSE and HOM require 8 modules only

At WMG you will have the opportunity to take the "Integration of Business Processes with SAP ERP" course in addition to your MSc programme modules. This course is your first step in becoming an SAP ERP Business Process Expert and the SAP Consultant Certificate is awarded to those passing the exam. The course is open to students from all MSc streams.
Excellent transport and road links
► 1 hour to London by train
► Nearest airport - Birmingham International - 20 minutes
► Nearest train station – Coventry 10 minutes

Getting in touch
► go.warwick.ac.uk/wmgmasters
► wmgmasters@warwick.ac.uk
► +44 (0)24 7657 5994

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The information contained in this brochure was correct at the time of going to print.