Teaching and Assessment

Various methods of teaching and learning are employed in the programme, for example, lectures, group work, directed reading, research, discussions, seminars, tutorials, and practical laboratory sessions. Assessment is based on individual written reports and research papers, practical assignments, and the project.

Career Opportunities

The market need for such a programme is demonstrated by the shortage of professional staff with knowledge and skills in information technology management. Moreover, the development of new information technologies creates new jobs. Management of these new technologies requires managers with hybrid knowledge and skills drawn from different disciplines such as information technology, management, software engineering, intelligent systems, decision support, and electronic commerce. Furthermore, it requires managers with research skills to enable them to critically evaluate the trends, tools, techniques, current developments and their effective applications in information technology management.

This programme will provide you with the skills and knowledge to take up employment in either the industrial sector or in research establishments. After the programme, you will be ready to move confidently into project leadership, departmental management and consultancy. You will be able to contribute to any organisation with an IT department. For example, the National Health Service, construction industry, automotive and manufacturing industries, educational and business sectors, or banks and travel agencies.

Entry Requirements

The normal entry requirement is a good honours degree (2:2 or above) or equivalent in a computing or IT discipline. International students must demonstrate a good command of the English language and normally would have to undertake an IELTS examination prior to starting the programme.

For more detailed programme and application information visit our website and search the programme database using the following programme ID number:

CID131

www.sunderland.ac.uk

For further information please contact:
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The IT Management programme teaches us how to be managers who can combine computing skills with business and organisational skills. The discussions we have in tutorials are really interesting because students from different backgrounds have different views and this creates fascinating debates.

Ashish Patel, Kenya
MSc Information Technology Management

MSc Information Technology Management
60 Weeks Full-time
Overview of Programme

The MSc in Information Technology Management has been designed to develop knowledge and the ability to manage information technology. The programme provides a balanced grounding in both business and computing. The computing modules provide you with knowledge of e-business models and solutions disciplines, intelligent tools and practical experience to enable you to manage the development and implementation of IT systems. They also ensure that IT management solutions are not only consistent with business processes but also secure a competitive advantage for the organisation.

Stages 1 and 2 (Postgraduate Certificate and Diploma)

- **Research Skills and Academic Literacy**
  This module covers research methods, qualitative and quantitative approaches. Literature surveys and critical analysis and evaluation of sources. Data collection and data analysis. Critical evaluation and appraisal of published work and data sets. Learn how to research and write a technical paper.

- **Project Management and Control (Double unit)**
  Module content is: what is a project, project feasibility, identifying stakeholders and their requirements, measures of success failure. Financial evaluation and management. Project Planning, work breakdown structures, tasks, milestones, resource allocation and levelling, fixed and variable costs, slack, delay, the critical path, risk analysis and contingency planning, Project execution; people, monitoring, reporting, reviews, and dynamic planning.

- **Project Risk and Quality Management**
  Information systems pathology, analysis of reported cases of systems success and/or failure to determine key factors, techniques such as post-implementation reviews, risk checklists. Assessing and managing the risks involved: risk identification and analysis techniques. Generic risk management framework. Evaluation of relationship between risks and opportunities.

- **Managing People and Project Leadership**
  Trends, tools, techniques and current developments in the area of Managing People and Organisational Development.

- **Intelligent Systems for Management**

Programme Content

Successful completion of the taught modules and an individual project will qualify the student for the MSc degree. Intermediate awards of Postgraduate Certificates and Postgraduate Diplomas are available for students who do not wish to, or who are unable to complete the full MSc.

The order in which modules are studied may vary from year to year, but the following structure is typical. Below is a list of modules, including a brief overview of the topics that will be covered.

- **Electronic Commerce**
  Developments, trends and standards associated with networks, the Internet and web, and electronic commerce. You will be exposed to e-business models, e-commerce classification, the development of online trading mechanisms, typical B2C and B2B scenarios, and corresponding application architectures, online transaction systems, supply chains, value chain management, customer relationship management, business process integration, interoperability and legacy system issues.

- **Decision Support for Management**

Stage 3 (Masters)

- **Project**
  Students will normally undertake a real-world project through a sponsor, which involves both a research and a practical element.