This programme offers a comprehensive academic approach to a career in one of the most salient and pressing issues in contemporary urban areas; how to provide safe, inclusive, environmentally friendly and efficient transport systems. The degree is designed to ensure that you become familiar with multiple approaches to planning and managing urban transport systems. The programme will provide you with the theory and methods as well as practical knowledge to be employed in governmental organisations and private sector consultancies.

What will I get from this programme?
• The programme will help you understand the broad range of stakeholders in city planning and urban transport systems and the connections to other vital sectors in cities such as energy, environment, housing, land use, economic development, and labour markets to comprehensively understand policies and planning processes to reduce congestion, air pollution, road fatalities and lack of access.
• The focus will be on multiple modes of urban transport – roads, public transport, active transport, emerging shared and intermodal transport, and the use of information technology in transport, enabling you to design highly innovative urban transport solutions in both developed and emerging country contexts.
• You will acquire specialist knowledge and methods to analyse cities and transport using Geographic Information Systems (GIS), statistical and visualisation approaches and other planning software and tools. These will allow you to develop city and transport plans and policies, conduct environmental and other impact evaluation, and to undertake a wide variety of geographical and market analysis.
• You will benefit from the programme’s strong connection with the Urban Big Data Centre (UBDC), which was funded recently by UK’s Economic and Social Research Council, and with which all academic staff in the MSc are involved.

Why Glasgow
The City of Glasgow provides an unbeatable location for the Urban Transport programme. Recently, Glasgow won £24 million from the UK Technology Strategy Board for a Future City Demonstrator to make city more liveable by adopting new technologies and integrating city systems. This is a unique case that helps professionals study how new information and communication technology affects people’s daily movements and transport systems.

Programme structure
You will take seven core and one optional course. Key courses on transport will be followed by lab sessions where practical lessons on the use of highly specialised software will be given in the form of either independent or group projects. You will also be expected to submit a dissertation.  
Core courses
• Principles of GIS
• Project management
• Social science statistics 1
• Theory and principles of sustainability
• Transport planning lab
• Transport planning methods
• Transport studies.
Optional courses
• International urban challenges
• Spatial planning strategies.

The programme draws on recognised academic expertise with international transport planning experience giving you a global view of transport challenges and solutions employed, as well as seminars and workshops given by the Urban Big Data Centre.

Career prospects
Career opportunities include positions in government agencies, urban planning organisations, city governments, transport and other private consulting firms, and non-profit organisations. The practical knowledge and hands-on skills taught as a part of the programme are applicable world-wide. You will have the chance to learn about new emerging forms of transport data and analytical skills that will make you strong candidates for jobs. These specialist skills will give you unprecedented advantage in the global and UK job market.

‘The multidisciplinary aspects of the programme make me a much more viable candidate for employment. It incorporates multiple software programmes that have improved my chances of landing a job in the transport field and has professors that have exceeded my expectations with their endless enthusiasm towards learning.’
Adam Potthoff, USA
Entry requirements
2.1 Honours degree or non-UK equivalent (e.g. a GPA of 3.0 or above) in urban studies, civil engineering, geography, management or economics. Applicants from other disciplines who otherwise meet the criteria are also considered. Additionally, an interest in acquiring quantitative skills is desirable. Applicants with a lower second class Honours degree may be accepted, if warranted by strong references and/or relevant work experience.

How to apply
To make an application to the University of Glasgow, go to: glasgow.ac.uk/pg/apply
For any enquiries email Dr Jinhyun Hong: jinhyun.hong@glasgow.ac.uk

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