INSTITUTE OF TRANSPORT AND LOGISTICS STUDIES
Transport Planning and Management

Transport enables us to travel to work, school, the shops, the beach, across the country or around the world. It facilitates holidays, weekend getaways, and catch-ups with family and friends.

It’s not only passenger transport that plays a crucial social role. Freight transport is equally vital, enabling convenient market access to goods that have been produced elsewhere.

With growing populations, increasingly congested road systems and concerns about environmental pollution, transport and mobility are becoming important themes for governments everywhere.

CONTENT FOCUS

The Institute of Transport and Logistics Studies is a world leader in the field of transport planning and management. We offer master’s level study in a range of areas including transport planning and forecasting, transport policy, economic appraisal, traffic and mobility management.

Key questions on the design of effective transport options are virtually limitless. For example: where should we build road or rail infrastructure? What bus routes and frequencies are optimal? How can we promote bicycles as a healthy and efficient alternative to private vehicles? Should we introduce road pricing to alleviate congestion and, if so, how? Can high-speed train connections complement air traffic? What is the effect of an ageing population?

We can provide you with the knowledge and skills to answer these questions and design liveable cities of the future.

As well as gaining a theoretical grounding on the workings of transportation systems for all modes of transport (including cars, trucks, trains, buses, bicycles, and walking), you will also acquire the quantitative and qualitative skills needed to examine travel behaviour, forecast conditions, and evaluate policies.

You will learn to use software tools such as geographic information systems (GIS), transport planning and traffic simulation software. From mid-2014, you will be able to ‘drive’ in a realistic environment using a 3D driving simulation to investigate travel choices and traffic management measures.

TRANSPORT CHALLENGES

Transport planning and management is a multidisciplinary field. It adopts economic theories to assess transport infrastructure, uses quantitative traffic principles to forecast traffic conditions, and requires management skills for transport policy implementation.
With population growth and associated transport congestion affecting quality of life not just in cities but entire countries, transport planning and management is vital. Consider a city such as Beijing, where the population is expected to exceed 20 million by 2020. This will put even more pressure on an already stressed transport system.

The demand for transport planners, transport policymakers and traffic managers who can meet these challenges cannot be overstated.

**CAREER OPPORTUNITIES**

Graduates of transport planning and management courses are in high demand and are employed at local, state, or federal government level, developing and implementing transport policies. They are also active in consultancy firms that advise government bodies. Wherever our graduates are grounded, their decisions and advice significantly impact the way people live.

**OUR GRADUATES**

“Studying the Master of Transport and Logistics Management at ITLS has been a fantastic experience for me. The superb education provided by wonderful professors and lecturers has equipped me with a strong academic knowledge and offered an important pathway from university to a transport profession.”

Xiaofen Chen, Transport Modeller, Integrated Transport Planning, Parsons Brinckerhoff

**GRADUATE PROGRAMS IN WHICH YOU CAN STUDY TRANSPORT PLANNING AND MANAGEMENT**

<table>
<thead>
<tr>
<th>UNITS OF STUDY</th>
<th>MASTER OF LOGISTICS MANAGEMENT</th>
<th>MASTER OF TRANSPORT MANAGEMENT</th>
<th>MASTER OF COMMERCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantitative logistics and transport</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Transport and infrastructure foundations</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Sustainable transport policy</td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Strategic transport planning</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>GIS for transport and logistics</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Traffic and mobility management</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Public transport</td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Transport and infrastructure systems</td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Industry placement</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Research case study I</td>
<td></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Research case study II</td>
<td></td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>

The Master of Commerce offers a number of ways in which these units of study can be taken: as a specialisation (major) and/or as a single unit outside of a specialisation. These units of study are offered within the Master of Commerce specialisation: Infrastructure and Transport Management.

For details about units of study offered for graduate diplomas and graduate certificates, visit sydney.edu.au/business/itls/courses/transport_and_logistics

**Note:** For admission to the master’s degrees, applicants need to hold a prior degree at bachelor’s level (or higher) with minimum 65% average.

Master of Commerce applicants with relevant qualifications and/or work experience in a relevant field, such as business, may be eligible for a reduction of up to 50% of course requirements.

The Master of Transport Management or Master of Logistics Management can be packaged with the Master of Commerce, with 50% credit towards the latter, so you can complete both qualifications with a total of 18 units of study.

FOR MORE INFORMATION, CONTACT

Professor Michiel Bliemer
sydney.edu.au/business/itls/staff/michielb

Student Information Office
The University of Sydney Business School
T +61 2 9351 3076
E business.student@sydney.edu.au
sydney.edu.au/business/student_information_office

Accredited by
Australian member of
THE GLOBAL ALLIANCE OF MANAGEMENT EDUCATIONS

ABN 25 211 513 464  CRICOS 00026A
Produced by Marketing and Communications, July 2014. The University reserves the right to make alterations to any information contained within this publication without notice. 14/4205.5