This unique and innovative master’s degree is the first of its kind in the region and explores what cities are, and what they can be. It goes beyond the concept of a smart city to also cover important technological, social and sustainability issues to ensure a comprehensive and holistic approach to the cities of today and tomorrow. As a world leader in smart cities and urban development, Dubai is the ideal place to study such a program and see digitalization in effect.

The graduate degree will help you build and develop efficient, sustainable and community-based cities and cultivate awareness of the interdisciplinary history of modern cities, urban economics, city development and planning theory, urban ecology, demography, and applied problem-solving and research methods.

Providing an all-encompassing view of the development of the city, the program also addresses key subjects such as water, food, waste, transport, education and energy systems, taking into account complex interactions between each of the elements. City Science is an emerging interdisciplinary plan of action that includes the designer, the technologist and the humanist all working together. It prepares you for smart cities that can talk, giving live status updates through networks on traffic patterns, pollution, parking, water and energy and other vital information.

The program can be completed in as little as 16 months.

Flexible Timings: Class schedule caters to working professionals, providing intensive seminars offered in evenings at our campus in Dubai Silicon Oasis.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Summary</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Informatics for City Science (Oct - Nov 2017)</td>
<td>Explores the latest trends in City Science and Smart Cities.</td>
<td>3</td>
</tr>
<tr>
<td>Understanding Sustainability (April - May 2017)</td>
<td>Looks at the concept of Sustainability and how it relates to the cities we live in and are creating.</td>
<td>3</td>
</tr>
<tr>
<td>Capstone Proposal Seminar (Sep - Dec 2017)</td>
<td>Preparation for the final Capstone Project.</td>
<td>0</td>
</tr>
<tr>
<td>Urban and Regional Planning (Sep - Oct 2017)</td>
<td>Explores the relationship between urban areas, processes and performance in a local context.</td>
<td>3</td>
</tr>
<tr>
<td>Informatics for City Science (Oct - Nov 2017)</td>
<td>Explores big data collection, analysis &amp; visualization tools.</td>
<td>3</td>
</tr>
<tr>
<td>Infrastructure for City Sciences (Nov - Dec 2017)</td>
<td>This course presents current and future ICT Development and the potential impact on Smart Cities.</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Dec 2017 - Jan 2018)</td>
<td>Select from the list below.</td>
<td>3</td>
</tr>
<tr>
<td>Industrial Ecology Fundamentals (Jan - Feb 2018)</td>
<td>Focuses the interaction between industrial and ecological systems including life cycle assessment.</td>
<td>3</td>
</tr>
<tr>
<td>Sustainable Building Metrics (Feb - Mar 2018)</td>
<td>Introduces the key metrics and assessment tools for the built environment and current best practice.</td>
<td>3</td>
</tr>
<tr>
<td>Technology Policy and Sustainability (Mar - Apr 2018)</td>
<td>Explores the theory and practice of Public Policy with a focus on Sustainability and ICT.</td>
<td>3</td>
</tr>
<tr>
<td>Elective (April - May 2018)</td>
<td>Select from the list below.</td>
<td>3</td>
</tr>
<tr>
<td>Capstone Proposal (May - June 2018)</td>
<td>Students participate in a real world problem-solving project carried out in an organizational setting.</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**: 33

Choose from the following electives:

- Change Management
- Critical Infrastructures
- Digital Transformation towards a Smart City
- Public Administration & Management
- Sustainable Energy Management
- Life Cycle Assessment
- Renewable Energy Systems
- Emerging Computing and Networking Technologies
- Service Scenario and Strategy Development
- Service Design and Implementation
- Data Mining in NFP
- Special Topics in Energy- Smart Grids

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**INNOVATE OR STAGNATE**

H.H. Sheikh Mohammed bin Rashid Al Maktoum

Vice President and Prime Minister of the UAE and Ruler of Dubai

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