List of courses

Our exclusive one-year Master's program in Smart and sustainable Cities (SSC) at KFUPM delivers an intensive curriculum covering the following subjects:

- Fundamentals of Smart Sustainable Cities
- Environmental Economics and Sustainability
- Quantitative Methods
- Intelligent Transportation Systems
- Sustainable Infrastructure and Renewable Energy
- Urban Informatics
- Sustainable Neighborhood and Urbanism
- Big Data Analytics

جامعة الملك فهد للبترول والمعادن
King Fahd University of Petroleum & Minerals

VISION
20·30
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

New Master Program

Professional Master Program
Smart Sustainable Cities (SSC)

For more details about the program, Please contact:
City & Regional Planning Department - KFUPM
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College of Design and Built Environment
City and Regional Planning Department

About the program

The Smart Sustainable Cities (SCC) Master's program is a unique professional graduate program (one-year master' that offers foundations in contemporary urban planning and design principles and in the application of emerging technologies to analyze, plan, develop and manage cities in a smart and sustainable manner. This interdisciplinary program provides a wide range of subjects covering fundamentals of smart sustainable cities, environmental economics and sustainability, quantitative methods, urban informatics, sustainable infrastructure and renewable energy, sustainable neighborhood and urbanism, intelligent transportation systems, and big data analytics.

The students will gain theoretical and technical skills necessary to plan and develop cities by adopting an integrated approach by addressing the crucial sustainability concepts (the interdependence of social, economic, and environmental) and the technological factors. This approach will give the students a deep understanding of how sustainable urban development and technology can be combined to tackle the huge urban challenges of today and tomorrow.

How will the program serve achieving Vision 2030?

This program is in line with the Kingdom's 2030 vision plan to ensure that the government can plan and develop urban areas appropriately and achieve sustainability without overlooking the critical role of adapting the information technologies into cities. This program is expected to be the only program of its kind in the Kingdom. It will contribute to enriching the landscape of interdisciplinary planning higher education in the region.

Who will benefit from the program?

This program is aimed at leaders and professionals in public and private sector organizations who seek to plan, develop, and deliver smart and sustainable city solutions . The program is a good fit for students interested in pursuing careers as urban planners, architects, urban designers, civil and transport engineers, real estate professionals, senior executives, mayors, elected representatives, policymakers, environmental and sustainability managers.

Admission requirements:

To apply to the program, candidates must have a Bachelor' s degree in city (or urban) planning, architecture, architectural engineering, or civil engineering . Holders of other degrees such as systems engineering, computer science, economics, management information systems, geography, and other related fields may be admitted depending on their experiences, statement of purpose and backgrounds. The minimum requirements for possible admission are as below:

- A Bachelor (B.Sc.) Degree in one of the fields mentioned above from a recognized institution.
- A Grade-Point Average (GPA) of 2.5 or higher on a scale of 4.00 or equivalent. Official transcripts and degree certificates are required for final admission.
- Completion of TOEFL with a minimum score of 70 (IBT). IELTS is also acceptable (minimum band6.0-). IELTS or TOEFL is not required for KFUPM students.
- At least two letters of recommendation.

For more details, please refer to this link on MX admission requirements of the Deanship of Graduate Studies of KFUPM
http://www.kfupm.edu.sa/deanships/dgs/mx.aspx