

## PART-TIME STUDY & FLEXIBILITY IN LEARNING

The Sustainable Smart Cities master's program has been designed as a part-time program to be completed in two full calendar years. However, there is some flexibility to adjust the pace to suit other commitments.

All program courses will be delivered exclusively online using the Canvas virtual learning environment, which is hosted by UAB. The internet-based delivery will include a combination of lectures, resources, webinars, and online forums and discussion boards.

For more information about the UAB Master of Engineering with a concentration in Sustainable Smart Cities contact:



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## DEADLINES FOR APPLICATION

<b>Fall</b>	<b>Spring</b>	<b>Summer</b>
August 1 <sup>st</sup>	Dec. 1 <sup>st</sup>	April 1 <sup>st</sup>

**APPLY NOW!**



What is a Sustainable Smart City?

A sustainable smart city is one that successfully mobilises investments in its physical and digital infrastructure combined with harnessing its human and social capital to create sustainable economic growth, a high quality of life and stewardship of natural resources.

**Will you build the  
Sustainable Smart Cities  
of the future?**

Join Us in this Exciting Academic  
Partnership and Help Create the  
Global Cities of the Future

[www.uab.edu/engineering/smartcities](http://www.uab.edu/engineering/smartcities)



**SCHOOL OF ENGINEERING**

The University of Alabama at Birmingham



**Master of Engineering  
in  
Sustainable Smart Cities  
100% Online Degree**

***Complete Your Master's Degree  
Online in 19 Months!***

Department of Civil, Construction,  
& Environmental Engineering

**UAB** THE UNIVERSITY OF  
ALABAMA AT BIRMINGHAM

1075 13th Street South  
Birmingham, AL 35205-3430

[www.uab.edu/engineering/smartcities/](http://www.uab.edu/engineering/smartcities/)

## SUSTAINABLE SMART CITIES

The Sustainable Smart Cities Master's program offered by the University of Alabama at Birmingham (UAB) is a unique professional post-graduate program that provides an inter-disciplinary grounding in the principles, applications, and key technologies required to develop future sustainable smart cities.

Delivered by experienced faculty, this program will equip you with the knowledge, skills, and critical thinking to assess, design, and implement sustainable smart cities' strategies across the globe.

The program offers a broad curriculum covering fundamentals / theory, case studies of current sustainable urban developments, and emerging innovations.

- The 30-hour degree can be completed online in 19 months.
- This is a multi-discipline graduate program (no engineering prerequisites).
- Designed for individuals who want to interact with peers using state-of-the-art online instructional methods.
- Learn from instructors with years of industry experience.

## WHO SHOULD APPLY

This program is aimed at future leaders and professionals in public and private sector organizations who seek to design, develop, and deliver smart and sustainable urban solutions. The degrees are suitable for the following career paths:

- Municipal Leaders / Policy Makers
- Public Health / Social Scientists
- Urban Designers / Engineers
- Civil and Transport Engineers
- Environmental Managers
- And more.....

This degree is particularly suitable for graduates who have been working for a number of years and are looking to take the next step in their career, or professionals seeking a change of direction.

## TUITION AND FEES

SSC students typically sign up for two courses per academic term, but some students elect to take only one course per academic term. Summarized below in Table 1 are the applicable UAB tuition and fees for two courses per academic term:

**Table 1. Summary of Applicable Tuition and Fees per Term**

Tuition Per Credit Hr.	Credit Hrs. Per Course	Course Tuition	Program Fee per Course	Cost Per Course	Courses per Term	Total Cost per Term
\$605 <sup>1</sup>	3	\$1,815	\$900	\$2,715	2	\$5,430

Note: 1. \$85 per credit hour additional International Tuition not included

2. UAB tuition and fees are subject to change

**Total Cost = \$5,430 per term X 5 terms = \$27,150**

**ALL ONLINE STUDENTS PAY IN-STATE TUITION**

## UAB MEng in SSC CURRICULUM

COURSE NO.	TITLE	HRS
CECSC 600	Principles of Sustainable Development	3
CECSC 602	Intro to Sustainable Smart Cities	3
CECSC 604	Lo-Carbon And Renewable Energy	3
CECSC 606	Managing Natural Resources	3
CECSC 608	Green Infrastructure and Transportation	3
CECSC 610	Health and Livability	3
CECSC 612	Green Buildings	3
CECSC 614	Smart Cities Technologies	3
CECSC 616	Big Data and Smart Cities.	3
CECSC 618	Research Methods and Project Planning	3
<b>TOTAL</b>		<b>30</b>

## ADMISSION REQUIREMENTS

- A Bachelor's degree (or equivalent) from a recognized institution of higher education in an appropriate subject/related science including but not limited to: Urban Design and Planning, Political Science, Geography, Environmental Science, Public Health, Social Sciences, Criminal Justice, Information and Communication Technology, and/or Engineering.
- No entrance exam required (i.e., GRE or GMAT).
- International students are required to submit TOEFL, IELTS, or Duolingo<sup>2</sup> scores.
- Original transcripts from all colleges and universities attended must be sent directly to the UAB Graduate School.
- All prospective students must pass a personal live interview with the Director (Interviews can be over the phone or video conferencing).
- Three letters of recommendation.
- Personal essay detailing motivation and career aspirations for earning the degree.
- Proper computer equipment and direct high speed internet access.

Note: 1. Duolingo scores are preferred by the UAB Graduate School

## WHY SHOULD YOU ENROLL

Cities are engines of economic growth, innovation, education and culture, but they are also home to concentrations of poverty, social exclusion and environmental degradation and are responsible for 80% of the world's carbon dioxide output. Rapid technological developments present unprecedented opportunities for cities to design and adapt into smart, sustainable environments through digital technologies, big data, smart mobility, renewable energy, and low-energy buildings and neighborhoods. This two-year online master's program in Sustainable Smart Cities will equip you with the knowledge and skills to help build the sustainable smart cities of the future.

## TESTIMONIALS

*"With the majority of the world's population living in urban environments, cities are our future. It is critical that we build cities that work for everyone while at the same time protecting our environment. I like this program because I believe that everyone can play a role in our cities. From policy makers, engineers, IT, academics, businesses, to every day citizens, everyone can have a role in shaping their environment. This program gives you the ability to explore and learn what your role can be."*

M. Dillavou, Class of 2018

*"The Master's in Engineering in Sustainable Smart Cities offers a comprehensive and innovative curriculum that has opened new and exciting career opportunities for me, even before graduation. This program provides a versatile degree for any professional interested in sustainable development and smart technologies to enhance efficiency and livability in cities."*

M. Norena, Class of 2018

*"It helps to further develop the academic mindset for creating holistic and sustainable communities. I believe all people that are within a position of power (whether public or private) should have an understanding of this curriculum."*

T. Hollis, Class of 2018

