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:

Jason T. Kirby, Ph.D.
Director, Sustainable Smart Cities
Email: jtkirby@uab.edu
Office: (205) 934-8479
Fax: (205) 934-9855

DEADLINES FOR APPLICATION

Fall
August 1st
Spring
Dec. 1st
Summer
April 1st

APPLY NOW!

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
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

<table>
<thead>
<tr>
<th>Tuition Per Credit Hr.</th>
<th>Credit Hrs. Per Course</th>
<th>Course Tuition</th>
<th>Program Fee per Course</th>
<th>Cost per Course</th>
<th>Courses per Term</th>
<th>Total Cost per Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>$605^1</td>
<td>3</td>
<td>$1,815</td>
<td>$900</td>
<td>$2,715</td>
<td>2</td>
<td>$5,430</td>
</tr>
</tbody>
</table>

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

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

TOTAL 30

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 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