



SMU | LYLE  
SCHOOL OF ENGINEERING

*Responsible use. Sustainable design.*

These are the keys that will open the door to a future of clean air, fresh water, and a higher quality of life for all humanity throughout the world. These are the concepts that must be embraced by designers, engineers, architects ... by leaders in every sector, public and private.

This is the purpose of the Master of Arts with a major in Sustainability and Development, offered by the Lyle School of Engineering at SMU. For those who strive to innovate, whose goal is to be a catalyst for change, who intend to make a positive impact, this is the program that can open the door to a future unbound.

**FIND US HERE**

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214-768-2002

# DESIGN CHANGE

MASTER OF ARTS | SUSTAINABILITY AND DEVELOPMENT



## ACADEMIC PROGRAM

All students must complete five core courses.

Design for Sustainability  
Introduction to Sustainability  
Methods and Technology for Sustainability  
Policy Impacts on Sustainability  
Sustainable Development

Three courses are required in one of the following concentrations.

### Environmental Resources

Air Pollution Management and Engineering  
Defining the Future of Global Sustainability  
Environmental Chemistry and Biology  
Environmental Epidemiology  
Fate and Transport of Contaminants  
Global Resource Use

### Urban Development and Design

Architectural and Structural Engineering  
Energy Management for Buildings  
Engineering Sustainability for the Future  
Facility Planning  
Transportation Planning and Traffic Engineering  
The Sustainable Urban Plan

One course of breadth is required and may be satisfied from another concentration.

A capstone field or research experience is required for all graduates.

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## MASTER OF ARTS | SUSTAINABILITY AND DEVELOPMENT

# CREATE HEALING

This 30-hour program is aligned with the Hunt Institute for Engineering and Humanity—known for its far-reaching global initiatives. In addition, the curriculum benefits from the expertise of Lyle's internationally recognized educators and business professionals. They consult with global leaders, author public policy, and initiate groundbreaking research.

*My colleagues in this program have all been contributing professionals in the world of sustainability, from landscape architects to urban planners to environmentalists. I have learned so much from them and the coursework. My awareness of solutions and issues facing our world has increased. If you ever considered why you are willing to sit in traffic, what the future holds for our suburbs, whether solar panels would work on your house, or how we waste purified water, this is the degree for you.*

**Rachel Baumann**

Human Resources Coordinator | Construction – Commercial Architecture and Development

# INVENT PROGRESS

As a student, you will develop new insights through problem-solving and analysis to connect the dots between local action and global ramifications. You will help define the future of sustainability to meet the world's pressing ecological and social issues from economic development to public policy to design. Be the author of sustainable solutions that will propel society with the sensible answers desperately needed today. The world is waiting. The time is now.