UAB Sustainability

UAB Sustainability understands that our future belongs to the present. We focus on sustainability and the triple bottom line theory to empower our leaders to make data-driven decisions. We partner across our institution to ensure the decisions we make now will have a positive impact on the quality of life of the UAB community for generations to come.

UAB has a special responsibility to act as a driver of sustainable solutions in our region and beyond. Our urban campus is a living laboratory, because of its:

- more than 200 classroom, office, research, and hospital buildings,
- space occupying more than 100 city blocks,
- role as one of the top employers in the region,
- role as the largest electricity user in the state, and
- responsibility as the single-biggest contributor to Birmingham’s economy

Sustainability Courses at UAB

UAB’s expanding undergraduate sustainability curriculum engages academic disciplines and multidisciplinary programs to prepare our students to become environmentally and socially responsible global citizens. Each term UAB offers courses with content related to sustainability.

Anthropology

- ANTH 104 Introduction to Peace Studies (3 s.h.)
- ANTH 200 Applied Anthropology
- ANTH 360 Ecological Anthropology
- ANTH 404 Human Rights, Peace, and Justice
- ANTH 413 Peace & Environmental Sustainability
- ANTH 437 Real World Remote Sensing Applications
- ANTH 483 Intern in Peace, Justice and Environmental Study
- ANTH 504 Foundations in Anthropology
- ANTH 505 Anthropology of Peace, Justice, and Ecology
- ANTH 513 Peace & Environmental Sustainability
- ANTH 652 Sustainable Peace Seminar

Biology

- BY 124 Introductory Biology II
- BY 468 Ecological Genetics
- BY 470 Ecology
- BY 585 Northern Field Studies
- MESC 208 Biology and Conservation of Marine Turtles
- MESC 230 The Ecology of Florida Everglades
- MESC 302 Coastal Zone Management
- MESC 303 Coastal Climatology
- MESC 330 Marine Conservation Biology

Civil, Construction, and Environmental Engineering

- CE 236 Environmental Engineering
- CE 431 Energy Resources
- CE 537 Environmental Experimental Design and Field Sampling
- CE 537L Environmental Experimental Design and Field Sampling Lab
- CE 600 Sustainable Construction
- CE 608 Green Building Design
- CE 610 The Engineered Environment
- CE 631 Environmental Law
- CE 636 Stormwater Pollution Management
- CE 690 Special Topics in (Area)

Sustainable Smart Cities MS Program first year courses

- CESC 600 Principles of Sustainable Development
- CESC 602 Introduction to Sustainable Smart Cities
- CESC 604 Low-Carbon and Renewable Energy Systems for Smart Cities
- CESC 606 Managing Natural Resources and Sustainable Smart Cities
- CESC 608 Green Infrastructure and Transportation
- CESC 610 Health and Livability
- CESC 612 Green Buildings
- CESC 614 Smart Cities Technologies
- CESC 616 Big Data and Smart Cities
- CESC 618 Research Methods and Project Planning
- CESC 620 Sustainable Smart Cities Research Project

Geography

- GEO 491 Environmental Policy

Political Science and Public Administration

- PSC 103 Foundations of International Relations
- PSC 266 The United Nations
- PSC 316 Human Rights
- PSC 355 Politics of Development
PSC 361 North/South International Relations
PSC 386 Economics of Public Policy
PSC 465 International Law

Chemistry
ES 101 Physical Geology
ES 102 Physical Geology Laboratory

Marketing, Industrial Distribution, and Economics
EC 308 Economics of Environment

Honors College, Science and Technology Honors Program
STH 199 Introduction to the Scientific Process

Environmental Health Sciences
ENH 615 Environmental Justice and Ethics
ENH 660 Fundamentals of Air and Water Pollution

History
HY 439 American Environmental History

Sociology
SOC 431 Environmental Sociology
SOC 470 Population Dynamics