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 351 Anthropology of Human Rights
   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 Human Rights, Peace, and Justice
   ANTH 505 Anthropology of Peace, Justice, and Ecology
   ANTH 513 Peace & Environmental Sustainability
   ANTH 652 Sustainable Peace Seminar

Biology

   ENV 108 Human Population and the Earth's Environment (3 s.h.)
   ENV 109 Laboratory in Environmental Science (1 s.h.)
   BY 124 Introductory Biology II
   BY 468 Ecological Genetics
   BY 470 Ecology

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 Liveability
   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 602 Environmental Management
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