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

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

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 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