

Emory University Degree Programs that Require an Understanding of Sustainability, and related learning outcomes, FY 2019

Candler School of Theology:

Concentrations:

1. The Justice, Peacebuilding, and Conflict Transformation concentration forms religious leaders who are equipped to constructively engage conflict within their congregations and communities by providing a structure for students to reflect theologically on violence, justice and peacebuilding, to study nonviolent alternatives, and to practice skills in conflict transformation. This concentration provides a focal point within the MDiv for those whose vocation includes the constructive engagement of conflict within their contexts of ministry.
2. The concentration in Religion and Race provides students with greater depth of reflection on the history, construction, expression and influence of race and ethnicity in contemporary society.
3. The concentration in Society and Personality explores the personal and social dynamics of religious experience, practice and community with keen attention to their felt meaning, cultural expression and institutional embodiment. Through psychological, sociological and cultural inquiry, it enables students to engage and interpret faith lived out in love, work and public witness in local churches, national denominations and global movements, across lines of gender, race, generation and nation.

Dual Degrees:

4. Master's of Divinity/Master's of Development Practice MDiv/MDP program allows students to combine training and experience in international development with theological studies and formation for ministry and may be completed in four years instead of the five required to attain the degrees separately. The MDP attends to both theoretical and applied methods of development and introduces students through interdisciplinary work to a variety of fields including global health, human rights, economics, governance, ecosystems, gender, energy and engineering.
5. Master's of Divinity/Master's of Social Work program offers an enhanced awareness and engagement of public resources for community development and empowerment; skills for advocacy and social policy analysis; program design, methods, and administration of community-based agencies and programs; organizational analysis; and knowledge and experience of clinical practices in fields such as gerontology, and individual and family therapy.

Goizueta Business School:

Concentrations:

6. The Bachelor of Business Administration degree Business and Society concentration emphasizes the critical nature of the relationship between organizations and society, and the correlation between ethical behavior and corporate performance. Electives expose students not only to the emotional and cultural dimensions of the business world but also to the relationship between social responsibility and business strategy. Students explore the dual goals of improving economic performance while simultaneously integrating social and corporate values. In this

depth, the focus is on harnessing information, analyzing complex situations, and synthesizing data for ethical decision making.

7. The Bachelor of Business Administration degree Environmental Management concentration BBA students will build a foundation in the fundamentals of environmental science and environmental policy. BBA students will develop a framework for understanding environmental systems and a foundation in understanding the impacts and intersections of business decisions and environmental systems.

#### Laney Graduate School

##### PhD:

8. Anthropology PhD students are in a program that foregrounds cultural and biological anthropology, placing special emphasis on cultivating dialogues and combinations of people, interests, and ideas that cross, connect, and transcend the field's received sub-disciplines.
9. Health Services Research and Health Policy PhD students will be able to describe major problems in health services and policy that are currently the subject of empirical investigations, apply advanced economics or political science methods to relevant research questions in health services and policy, conduct an interdisciplinary team collaborator in the design and conducting of a health services or health policy research investigation.
10. Nutrition & Health Sciences PhD students are in a program that integrates three perspectives on nutrition: biochemical, clinical, and population. The biochemical level considers how nutrients participate in biochemical processes at the molecular level and affect processes such as gene expression. The clinical level is concerned with the impact of nutrition on individuals' metabolism and health, and with the role of nutrition in treating and managing disease. At the population level, nutrition science focuses on epidemiologic studies of diet and health, on the determinants of dietary practices, and on community based interventions to affect nutrition and improve health on a national and international level.
11. Population Biology, Ecology and Evolution PhD students are in program that provides training in the methods necessary to address complex questions through ecological and evolutionary approaches. Students take core courses in quantitative methods, ecology, evolution and population genetics in order to develop a foundation from which to focus their own research trajectory.
12. Sociology PhD students rigorous training in theory, research design, and statistics, as well as extensive preparation in these major substantive areas: Comparative political economy and global analysis: political sociology; political economy; global development and change; social movements; revolutions; world-systems; welfare states. Culture: mass media; religion; social change; world culture; music, literature, and the arts; popular culture; identity construction. Social psychology: interpersonal and group processes; status and power; racial attitudes; justice; legitimacy, emotions; identity processes, causes of crime, health and wellbeing. Social inequality: education, complex organization; work and industry; medical sociology; gender, race, class, and ethnicity.
13. Women, Gender, and Sexuality Studies PhD students are in a program with the goal to bridge the worlds of theory and social justice that exist both inside and outside the classroom and provide students with an in-depth knowledge of one particular area of interdisciplinary feminist scholarship (such as feminist science studies, queer theory, gender and globalization). Students

analyze how social and institutional power is structured in part around social identities, and it examines the meanings attached to these identities through interdisciplinary lenses.

Master's:

14. Master's in Development Practice Degree combines hands-on learning and field-based training with rigorous studies in a broad range of academic disciplines to meet the pressing challenges of our time: achieving sustainable development in the face of global poverty, natural disasters, climate change, conflict and insecurity, and disease.
15. Environmental Sciences MA/MS is designed to train the next generation of professionals to effectively address a suite of complex environmental issues, with a goal of understanding and resolving interactions between humans and the environment.
16. Environmental Studies and Master's of Science 4+1 BA/MS students receive interdisciplinary training to better understand the impact of the environment on human health and disease. Required courses include Natural Resource Management and Ecological Mutualisms.

School of Law:

17. Environmental and Natural Resources Law Program offers students extensive classroom, skills-training, and extracurricular opportunities in environmental law. Through conferences, workshops, scholarship, and the work of the Turner Environmental Law Clinic, the Program engages law school faculty, students, and members of the community to address today's environmental problems and develop effective solutions.

College of Arts and Sciences

Majors:

18. African Studies BA students will demonstrate a broad, interdisciplinary and integrated understanding of African history, politics, society and culture, including engagement with contemporary issues such as disease and health, the environment, and economic development. A crucial challenge is for students to be able to apply interdisciplinary training and knowledge to real-world problems.
19. Anthropology BA/BS students will demonstrate an understanding of cultural theory and ethnographic research, with a more sophisticated understanding of the research in at least one sub-discipline of cultural anthropology, including medical anthropology and global health, linguistics, political economy and development, sustainability, gender and sexuality, globalization, or psychological anthropology.
20. Anthropology and Human Health BS students will learn a biological perspective that emphasizes the importance of our evolutionary heritage in shaping behavior, the developmental process, and social relations; a social scientific perspective provides a methodology for understanding the complex interactions between human behavior and biology; and a humanistic perspective emphasizes the cultural coherence of human values, beliefs and symbols and their importance for particular social groups.
21. Biology BA students will be able to explain and apply major biological concepts and connect concepts from the biological and physical sciences. Students will also develop enough problem

solving, critical thinking, and quantitative skills to address biological questions pertaining to our global environment.

22. Biology BS students will be able to explain and apply major biological concepts and connect concepts from the biological and physical sciences. Students will also develop enough problem solving, critical thinking, and quantitative skills to address biological questions pertaining to our global environment.
23. Environmental Sciences/Studies BA students will develop the ability to think critically about environmental problems, and to apply environmental studies' problem-solving skills to diverse problems. Both majors stress the importance of understanding how the natural sciences, social sciences, and humanities intersect in terms of scientific processes and complex environmental issues.
24. Environmental Sciences/Studies BS students will develop the ability to think critically about environmental problems, and to apply environmental studies' problem-solving skills to diverse problems. Both majors stress the importance of understanding how the natural sciences, social sciences, and humanities intersect in terms of scientific processes and complex environmental issues.
25. Human Health BA will be able to effectively translate health knowledge through oral and written communication, apply knowledge across disciplines to propose solutions for novel problems, differentiate the major components and determinants of health concepts and assess the validity of the evidence, compare, evaluate, and integrate evidence from multiple disciplines, across approaches, or across perspectives, and formulate and defend an evidence-based argument for critical inquiry and understanding of the science and human experience of health.
26. International Studies BA students will master critical skills required to analyze current events in the worlds of Political Science and International Studies through learning about comparative politics and international relations. In the required "Introduction to International Politics" course, students examine the nature of international systems, the causes of conflict, and the challenge to establishing international cooperation. This course focuses on global political challenges ranging from terrorism and nuclear weapons to international trade and financial relations, to economic development, human rights, and the environment.
27. Latin Amer. & Carib. Stud. BA students will acquire the general knowledge for cultural uniformities and diversities of Latin American history and culture and an understanding of theories and evidence regarding how social categories like race, religion, nationality, class and gender are constructed represented and performed and how these relate to social and institutional power.
28. Middle Eastern and South Asian Studies BA students will acquire the general knowledge of the geography, history, social developments and cross-cultural interactions in the Middle Eastern and South Asian regions, apply methods of interpretation in written analysis, systematic comparison, and inter-disciplinary synthesis to materials from these regions, examine the diversity of views and perspectives on these regions in a comparative context unbounded by ideology or unexamined commitments, and understand the intellectual development of the field of Middle Eastern and South Asian Studies within Western academic tradition.
29. Neuroscience and Behavioral Biology majors will be able to articulate the concepts and methodologies of the interdisciplinary field of Neuroscience and Behavioral Biology, including evolution and animal behavior, molecular, cellular, and developmental biology, and systems,

social, cognitive, and behavioral neuroscience. This major requires all students to take the course Biology 141 "Foundations of Modern Biology," which is a sustainability course.

30. Philosophy, Politics and Law BA students are in a degree program designed to prepare a thoughtful and engaged citizenry. Students examine questions integral to politics and the rule of law, such as the nature of justice and political legitimacy as well as debates, current and historical, concerning the nature of democracy, freedom, rights, and representative government
31. Religion BA students will gain exposure to multiple religious traditions and cultures in their specific geographical, historical, and/or contemporary contexts. Students will explore religious life and culture through various approaches: historical, philosophical, theological, ethical, sociological, exegetical, ethnographic, political, psychological, and others. They will investigate multiple sources of religious life and understand "religion" as an analytical concept that has been subject to multiple definitional debates and has played a key role in the development of the social sciences and humanities, and they will study how communities create systems of value in order to reflect critically on the challenges of modern citizens and consumers and to imagine opportunities for creative cultural and political engagement.
32. Sociology BA students explore how and why people interact with each other the way that they do. Students majoring in Sociology are required to take two of the following six courses: Class, Status, and Power; Culture and Society; Sociology of Sex & Gender; Sociological Aspects of Health & Illness; and Individual and Society; and Racial and Ethnic Relations.
33. Women, Gender, and Sexuality Studies BA students examine the interdisciplinary study of women and gender, and an inclusive study of women that acknowledges differences such as race, class, sexuality, and national belonging. Students are required to take 6 courses from within the following topics: Global Perspectives; Race, Ethnicity, Economics; Bodies, Sexuality, Science and Health; Culture and the Arts; Ethics, Religion, Politics, and Law; and the History of Feminist Thought and Activism.

#### Minors:

34. African Studies Minor students will demonstrate a broad, interdisciplinary and integrated understanding of African history, politics, society and culture, including engagement with contemporary issues such as disease and health, the environment, and economic development. Students will complete coursework that outlines the political, economic and social forces that shaped modern Africa, as well as will utilize anthropological perspectives to learn about the people and cultures represented on the continent.
35. Anthropology Minor students will demonstrate an understanding of cultural theory and ethnographic research, with a more sophisticated understanding of the research in at least one sub-discipline of cultural anthropology, including medical anthropology and global health, linguistics, political economy and development, sustainability, gender and sexuality, globalization, or psychological anthropology.
36. Anthropology Department's Global Development Studies Minor is designed to provide the student with a good overview of the field of development studies and to highlight the particular rights-based approach to development studies that Emory emphasizes. Students will demonstrate knowledge of: The historical and theoretical bases of development studies. Specific knowledge of at least one domain of practice in development studies: for example, gender, environmental issues, the role of markets, governance, social and cultural analyses, institutions,

poverty alleviation, and other development domains. General knowledge of regions of the developing world. Most importantly, the ability to integrate an interdisciplinary perspective in analyzing a development issue or problem.

37. Community Building and Social Change Minor is designed to offer students from a variety of majors an introduction to the challenges and opportunities for revitalizing and strengthening communities in contemporary urban America. Students must complete a three-course sequence in community building and social change that includes Community Building and Social Change I, Planning and Evaluating Community-Based Initiatives, and Practicum in Community Building.
38. Earth & Atmospheric Sciences Minor students will build a strong foundation in the physical science of Earth systems; the fundamental processes of the atmosphere, biosphere, hydrosphere and lithosphere; and the flux of materials and energy through these systems. The understanding of these physical processes will prepare students to address challenges that human populations face in a changing world, such as sustainable development of energy and natural resources and assessment of adaptation and mitigation strategies for potential natural hazards, such as intense storms and flooding. Climate change and the dispersal and movement of pollutants through systems are also critical areas of study. The minor will integrate classroom and field-based instruction with opportunities to conduct research with faculty.
39. Environmental Studies Minor students will develop the ability to think critically about environmental problems, and to apply environmental studies' problem-solving skills to diverse problems. Minor students are required to complete ENV 120: Living in the Anthropocene.
40. Environmental Science's Minor in Sustainability Sciences is designed for students to understand and explore the challenges of sustainability, bridging theory and practice in understanding what determines sustainability in a strongly coupled world of humans and their environment.
41. Global Health, Culture and Society Minor students gain perspective to meet challenges and opportunities arising from a complex interplay of political, environmental, social, historical and cultural systems. From global needs in the field to clinical care, students learn about confronting global health challenges as they happen and explore how to power social change and contribute to building community partnerships that advance health.
42. Nutrition Science Minor students explore the psychological, cultural, and ecological influences on dietary choices. Students investigate the biological processes underlying health, optimal wellness, and disease from prenatal life to old age.
43. Predictive Health Minor students are in a program that brings together perspectives from medicine, public health, business, economics, the social sciences—areas that deal with human society and social relationship—and humanities. Students explore a model of health care based on a personalized approach to health and well-being rather than the traditional disease-oriented model.
44. Science, Culture and Society Minor students of the Institute for Liberal Arts engages in discussion and research in issues that can benefit from varied approaches—race, bioterrorism, technology and human well-being, health, and the nature of consciousness. Students develop a multi-perspective, interdisciplinary complement to their major discipline from nontraditional directions such as science and literature, science writing, and science and the arts. Students are required to complete sustainability-focused course IDS 205 “Science and the Nature of Evidence.”

45. Sociology Minor students explore how and why people interact with each other the way that they do. Students majoring in Sociology are required to take one of the following eight courses: Class, Status, and Power; Culture and Society; Sociology of Sex & Gender; Sociological Aspects of Health & Illness; and Individual and Society; Racial and Ethnic Relations; Research Methods in Sociology; and Development of Sociology Theory.
46. Sustainability Minor students of the Anthropology department will focus on fostering creativity and an expanded imagination of a thriving social, economic, and environmental world for the current and future generations. Students will apply analytical systems thinking to contemporary global and local problems, practice participatory strategies to resolve those problems, and demonstrate an ethical compass that guides their assessments of alternative solutions.
47. Sustainability Sciences Minor students in the Environmental Sciences department will seek to understand and explore the challenges of sustainability, bridging theory and practice in understanding what determines sustainability in a strongly coupled world of humans and their environment. The courses will link the theoretical and practical by understanding how human institutions, organizations, cultures, and technologies link and interact with their biophysical environments

#### Concentrations:

48. Economics BA students concentrating in Behavioral Economics will acquire knowledge of basic economic concepts, statistical, computation, and data analysis skills, specialization, and written communication to solve real life challenges. They are required to take a Behavioral Economics course, as well as choose 2 of the following courses: Economics of Life, Experimental Economics, Economics and Psychology or Health Economics.
49. Economics BA students concentrating in International and Development Economics will acquire knowledge of basic economic concepts, statistical, computation, and data analysis skills, specialization, and written communication to solve real life challenges. They are required to choose one of the following: Economic Development, Latin American Economics or Development Issues for Africa.
50. The Environmental Studies Environmental Management concentration (ENVS) students who complete the concentration will acquire grounding in business principles and practices in the fields of management, marketing, finance and strategy. ENVS students will acquire methodologies and approaches that are transferrable to business, non-profit and government work environments.
51. History BA students who choose to pursue the “Empires, Nations, and Citizenship” concentration explore the social, cultural, and political tensions that have historically shaped relations between societies, and relations within the same societies. Topics include: the rise and fall of empires, from ancient to modern; the growth of nation-states and of related internal or international conflicts; and the problems of liberty, equality, and diversity that have made questions of citizenship so contested.
52. History BA students who choose to pursue the “Law, Economics, and Human Rights” concentration examine issues of law, economics, and human rights in historical contexts from ancient to modern periods. Topics include: race and slavery, the origins of capitalism, industrialism, colonialism and imperialism, diplomatic history, gender regimes, family history,

legal and constitutional history, environmental history, medical history, the Holocaust, totalitarianism, and civil rights movements.

53. History BA students who choose to pursue the “Women, Gender, and Sexuality” concentration focus on the history of women, the social construction of masculinity and femininity, and the making of sexual identities across different societies and eras. Topics include: marriage and the family, definitions of male and female roles by religious institutions and the state, histories of feminism, and changes in notions of sexuality over time.

#### Certificate:

54. Center for Mind, Brain, and Culture (CMBC) Graduate Certificate Program provides a formal means for doctoral students interested in multiple disciplinary perspectives on the study of mind, brain, and culture to pursue these interests. The goal is to provide students with a greater understanding of multidisciplinary approaches to these topics, and to develop tailored plans of study that augment their own research endeavors. All certificate students must take MBC 700 “The Natural and Cultural Foundations of Civilizations” in which they will explore the natural and cultural foundations of civilizations taking inspiration from such fields as archaeology, anthropology, cognitive science, genetics, geography, natural history, and cultural evolution.

#### Rollins School of Public Health:

##### PhD:

55. Behavioral, Social, and Health Education Sciences PhD Students learn how to conduct original research on identifying individual and societal determinants of health behaviors, illness, and disease; design, implement, and evaluate behavioral and structural interventions to prevent disease, reduce health risks, and improve quality of life; and translate knowledge derived from research to promote public health
56. Environmental Health Sciences PhD students receive interdisciplinary training to better understand the impact of the environment on human health and disease. Students can specialize in exposure science, the biological mechanisms of susceptibility and disease, and the environmental determinants of population health.
57. Global Health and Development PhD students will experience a specific focus on interrelationships between global health and other components of development (e.g. education, urban growth); deep learning in ethics and leadership; rigorous training in implementation science and interventions, and, and an explicit recognition that field training can be local or global. Required courses include Global Health and Development, Health Systems and Policy Studies, and Development Economics.

##### Master’s:

58. Master of Public Health Students will demonstrate an understanding of the public health core knowledge, develop an ecological approach to public health, and get an exposure to the social, economic, cultural, and environmental conditions that influence human health.
59. Master of Public Health in Environmental Health will help students to achieve key environmental health content-area competencies through coursework and practicum (e.g., describe major



environmental risks to human health, assess sources and movement of contaminant through environment, apply principles of epidemiology to assess health effects of environmental exposures).

60. Environmental Studies and Master of Public Health in Environmental Health 4+1 BS/MPH students will be able to explain major policy issues in environmental health, describe how the principles of toxicology can be used to assess health effects of environmental exposures, apply the principles of epidemiology to assess health effects of environmental exposures.
61. Master of Public Health Global Environmental Health provides a uniquely interdisciplinary approach to examining the chemical, physical and microbial hazards that occur in the home, workplace and general environment. Between engaging elective courses in air pollution, climate change, epidemiology, toxicology and more and required real-world experience, this program will equip you with the skillset to tackle the most pressing environmental challenges of the future. Ciannat Howett, Associate Vice President of Resilience, Sustainability, and Economic Inclusion at Emory University, is an adjunct faculty member in the Department of Environmental Health.

#### Certificates:

62. The Center for Humanities Emergencies certificate is offered in partnership with the Centers for Disease Control and Prevention and guides students through coursework, research and applied technical skills needed for working in emergency and post emergency settings. Students are required to the Health in Humanitarian Emergencies and Epidemiological Methods in Humanitarian Emergencies to learn ways to protect people's wellbeing.
63. The Emory Graduate Certificate in Human Rights is an integrated, innovative, and cooperative approach to human rights scholarship and training. Students may fulfill the requirement by pursuing a service-learning internship at a local or international human rights organization or by completing a research paper focusing on human rights or by having a substantive human rights emphasis in their thesis or dissertation.
64. The Social Determinants of Health (SDOH) certificate is designed to create an intellectual and professional home for Rollins master's students who have a strong scholarly commitment to studying and intervening in the social determinants of health. This certificate provides a range of academic, research, and professional development opportunities to strengthen students' ability to advance the public's health by developing and implementing studies of, and interventions into, the social determinants of population health and well-being.
65. The certificate in Water, Sanitation, and Hygiene (WASH) aims to prepare students to describe the multidisciplinary nature of WASH-related issues, examine potential solutions for WASH-related challenges at the household and community level, recognize the role of policy in shaping the WASH landscape, and identify entities working in the WASH sphere.