



# RESEARCH AND STUDENT ORGANIZATION OPPORTUNITIES

## RESEARCH AND EDUCATIONAL ENHANCEMENT AT ROLLINS

The power of scientific discovery drives us and defines our profession. The Rollins research portfolio has the potential to save lives, benefit communities, empower individuals, and directly impact the practice of public health.

Research is one of the principal missions of Rollins and a major activity of faculty and students alike. Students have the opportunity to work on research projects that tackle issues such as: COVID-19, assessing the health risks from environmental exposures, the health consequences of urban sprawl, cost effectiveness of HIV prevention activities, infectious disease control, culture and health threats, health disparities, substance abuse, and myriad other public health topics.

It is our hope that through this document, you will gain insight into the scope and caliber of Rollins' diverse opportunities to build collaborations through faculty research projects and engagement in student organizations while familiarizing yourself with many of the scholastic contributions our school has made to the field of public health.

[sph.emory.edu/research](https://sph.emory.edu/research)



# CERTIFICATE PROGRAMS

## **Certificate in Climate and Health**

The Certificate in Climate and Health positions students to be leaders in what the World Health Organization has called “the defining issue of the 21st century.” Students participating in this certificate program will benefit from Emory University’s substantial strengths and connections in the field of climate change and will develop an understanding of research, programmatic, and policy tools required to address the health impacts of climate change.

## **Certificate in Genetic and Molecular Epidemiology**

The Certificate in Genetic and Molecular Epidemiology program at Rollins prepares students to assess, manage, and analyze genetic and molecular data in the context of scientific and public health utilities.

## **Certificate in Humanitarian Emergencies**

Rollins in partnership with the CDC’s Emergency Response and Recovery Branch, offers a Graduate Certificate in Humanitarian Emergencies. Humanitarian issues encompass most of the concerns facing global health and international development plus some security factors that are unique to emergencies. These include water and sanitation, control of diarrheal diseases, measles control/immunization programs, control of acute respiratory infections, malaria control, public health surveillance, reproductive health, war-related injury, and mental health.

## **Certificate in Human Rights**

The graduate Certificate in Human Rights is an integrated, innovative, and cooperative approach to human rights scholarship and training. The certificate combines the teaching and research strengths of Emory University with the applied programs of our professional partners.

## **Certificate in Infectious Disease Epidemiology**

Infectious disease epidemiology incorporates the fundamental principle that a person’s risk of infection often depends on the disease status of another person or disease prevalence at the population level. Therefore, events are not independent, violating a key assumption of classic

**Certificates are for degree-seeking students. Visit our [website](#) to learn more.**

epidemiological methods and requiring a different set of methods to approach infectious diseases. Students in the Certificate in Infectious Disease Epidemiology program will learn how to apply epidemiological methods to study and address infectious diseases and critically assess the science and public health interventions for infectious disease control.

## **Certificate in Injury and Violence Prevention**

The Certificate in Injury and Violence Prevention is designed to give MPH, PhD, and Candler students a foundation in theoretical and epidemiologic concepts of injury prevention and a platform for which to examine the causes, consequences, and prevention strategies used in our society. Combining multidisciplinary coursework, research, practical experience, and access to a vast injury prevention network, this certificate will broaden students’ perspectives on complex issues while preparing them to become leaders of injury prevention within their chosen discipline.

## **Certificate in Maternal and Child Health (MCH)**

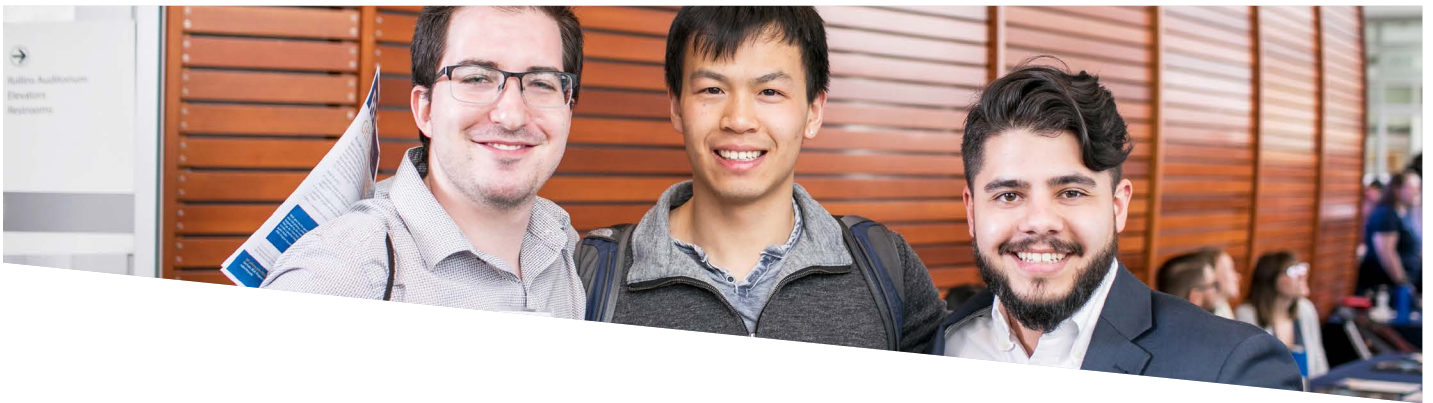
The Certificate in Maternal and Child Health program is one of the nine possible certificate programs offered at Rollins. Our program is recognized as a Center of Excellence in MCH and is available to all degree-seeking MPH/MSPH students at Rollins.

## **Certificate in Mental Health**

The Certificate in Mental Health program was developed to address the integral relationships between mental health and public health. Its purpose is to bring together faculty, students, and practicing health professionals to foster enhanced research and learning experiences through interdisciplinary, interdepartmental, and inter-school activities.

## **Certificate in Religion and Health**

The Certificate in Religion and Health provides an opportunity for the interdisciplinary study of health and health-promoting practices as they intersect with various religious or spiritual traditions and practices. Through the integration of perspectives from a variety of disciplines in health and social



sciences—particularly those in nursing, public health, theology, and religion—students will develop theories and practices in which the personal, communal, and social dimensions of health intersect.

#### **Certificate in Social Determinants of Health**

The Certificate in Social Determinants of Health 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 socio-contextual determinants of population health and well-being.

#### **Certificate in Water, Sanitation, & Hygiene**

The Certificate in Water, Sanitation, and Hygiene (WASH) at Rollins is offered through the Center for Global Safe Water, Sanitation and Hygiene at Emory University and aims to train graduate students to be competitive for WASH-related careers.

## EDUCATION ENHANCEMENT OPPORTUNITIES & RESEARCH PROJECTS

#### **Africa CDC Institute for Workforce Development (IWD)**

Across over 43 different webinars (English and French), the Africa CDC IWD has registered 4,804 African health professionals across 50 Africa Union Member States,

training over 11,000 participants in key COVID-19 knowledge. In addition, participants are invited to join the Telegram communication group and the Canvas-based Knowledge Hub with over 1,200 members. Due to the popularity of the trainings, the IWD has also started offering Ask Me Anything office hours twice a week where participants can pose their questions to experts. In addition, the social media presence of the Africa CDC IWD has exponentially grown. The Africa CDC IWD now intends to provide specific targeted trainings to help the Africa clinicians treating COVID-19. Contact: Scott JN McNabb | [scottjnmcnabb@emory.edu](mailto:scottjnmcnabb@emory.edu)

#### **Biostatistics Collaboration Core (BCC)**

BCC offers comprehensive bioinformatics, statistical, and computational collaboration to the University community. The primary mission of BCC is collaborating with investigators to choose appropriate study design for quantitative analysis and to assure appropriate implementation of statistical methodology in research. Rollins students are a big part of BCC and collaborate with the group as research assistants and for APE and thesis projects.

#### **Center for Global Safe Water, Sanitation and Hygiene (CGSW)**

Housed in Emory University's Rollins School of Public Health, the CGSW combines academic strength with a commitment to evidence-based action, advocacy, and policy development.

#### **Center for Humanitarian Emergencies (CHE)**

The Center for Humanitarian Emergencies at Emory (CHE@EMORY) drives global collaboration, research, and evidence-based training to improve the lives and well-being of populations impacted by humanitarian emergencies. We conduct research on high-impact emergency interventions, contributing to evidence-based response.

#### **Community Randomized Trial in the Cherokee Nation**

Despite advances in prevention science and practice in recent decades, the U.S. continues to struggle with significant alcohol-related risks and consequences among



youth, especially among vulnerable rural and Native American youth. The Prevention Trial in the Cherokee Nation is a partnership between Rollins prevention scientists and Cherokee Nation Behavioral Health to create, implement, and evaluate a new, integrated community-level intervention designed to prevent underage drinking and associated negative consequences among Native American and other youth living in rural high-risk underserved communities.

#### **Emory TB/HIV Research Group**

The Emory TB-HIV research group, housed within the Department of Epidemiology at Rollins, has a top-notch TB/HIV academic research and training program recognized both nationally and internationally.

Our research projects are in close collaboration with leading stakeholders like the CDC, Albert Einstein College of Medicine, Public Health Research Institute, Johns Hopkins University, Columbia University, University of KwaZulu-Natal, Centre for the AIDS Programme of Research in South Africa (CAPRISA), Amauer Hansen Research Institute (AHRI) - Ethiopia, and DeKalb County Board of Health - Atlanta.

The group has been actively involved with innovative research and training activities for over two decades, particularly as it relates to drug-resistant tuberculosis. We have multiple ongoing research projects in South Africa where the group's activities have had a significant impact on the identification, diagnosis, and treatment of MDR/XDR TB cases. In addition, we have ongoing research projects at study sites in India, Ethiopia, and Brazil.

#### **Environmental Toxicant Exposure and Neurological Disease**

Evidence has demonstrated the association between exposure to environmental chemicals (insecticides, flame retardants, PFAS) and risk for neurological deficits (ADHD, Autism Spectrum Disorder, Alzheimer's and Parkinson's disease). The goal of our research is to identify specific neurological targets and pathways that are altered, leading to these neurological deficits. To accomplish this, we use cell- and animal-based models of toxicant exposure and pair these with toxicological and neurobiological assessments.

#### **Freeman Research Group**

Our research focuses on the impact of the environmental exposure to enteric infections in low-income settings. Our work focuses on enteric disease transmission, NTDs, WASH-related behavioral and exposure measures, zoonotic exposures, and food systems. We employ a number of methods to address these questions, including cluster-randomized trials, qualitative research, process evaluation, and implementation science.

#### **Global Field Experience Financial Awards**

Students in all departments are eligible to apply for funding to subsidize the cost of summer fieldwork in low- and middle-income settings.

#### **Gut Microbiome, Enteric Infections and Child Growth Across a Rural Urban Gradient**

This community-based birth cohort study in Ecuador aims to examine interactions between gut microbiome conditions and enteric infections. Researchers will test the hypothesis that infants with a more diverse gut microbiome are less likely to develop acute diarrhea, and are less likely to experience long-term negative health outcomes such as environmental enteric dysfunction and growth faltering, as a consequence of enteric infections. This research will guide interventions designed to help develop a healthy infant gut microbiome.

#### **HERCULES Exposome Research Center**

HERCULES (P30 ES019776), has been continuously funded since 2013 by the National Institute of Environmental Health Sciences to provide the infrastructure and research support to build and strengthen environmental health research at Emory and Georgia Tech. HERCULES is one of about 20 centers across the country dedicated to supporting all aspects of environmental health research at their home institutions and to developing collaborations with researchers across the country. Our long-term goal is for Emory and Georgia Tech to play a leading role in the discovery, evaluation, and application of the exposome concept and to aid our investigators to carry out cutting-edge, scientific research about the environment that will ultimately impact our communities.





### **Michigan PBB Registry**

Managed by Dr. Michele Marcus and a team at Rollins, the Michigan PBB cohort was originally established in 1976 following an agricultural accident in the state of Michigan in which millions of people were exposed to a chemical flame retardant. Current interdisciplinary research includes a weight loss clinical trial and an epigenetic study examining the transference of epigenetic marks along the paternal line. Through community-engaged research, these projects have provided current and former students with various opportunities for engagement including: connecting with members of the community through informational meetings and fieldwork, disseminating research findings to the public, conducting primary data collection, and gaining experience in environmental epidemiology.

### **Office of Health Promotion (OHP) Advisory Board**

Members of the OHP Student Advisory Committee serve as advocates, ambassadors, and liaisons to provide input on strategic vision, planning, and programming to better serve and meet student needs. REAL graduate assistant positions are available each academic year for those seeking opportunities in college health promotion.

### **Religion and Health at Emory**

Emory University's Religion and Public Health Collaborative (RPHC) is an interdisciplinary collaboration between Rollins School of Public Health, Nell Hodgson Woodruff School of Nursing, Candler School of Theology, and the Department of Religion. The mission of RPHC is to engage scholars and practitioners in world religions and public health to understand the sometimes converging, sometimes conflicting relationships of religion and public health, through teaching and research.

### **RSPH Alumni Association**

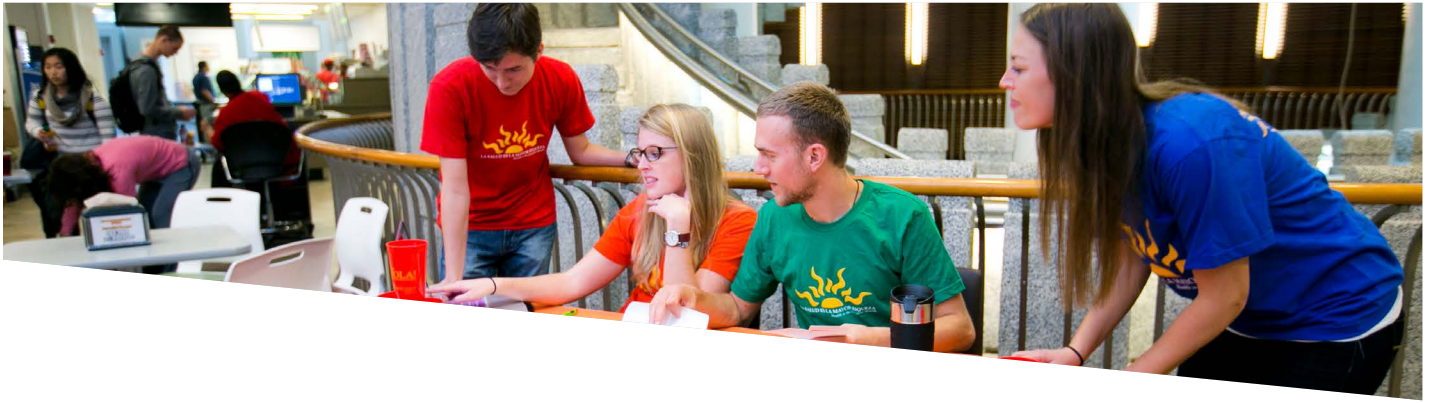
With a network of more than 10,000 alumni worldwide, our RSPH Alumni Association provides opportunities for our alumni to build relationships with fellow alumni, our current students, our faculty, and the broader public health community. We work to create programs that meet the professional needs of our alumni and to support the mission of our school.

### **Social Stressors and Atherosclerosis in African-American Women with Lupus**

Compared to African-American women without systemic lupus erythematosus (SLE), African-American women with SLE die from cardiovascular disease (CVD)-related events almost 20 years earlier; and this excess burden is not completely due to traditional CVD risk or SLE factors. The goal of the proposed research is to determine whether life stressors known to impact African-American women contribute to increased CVD risk over time in African-American women with SLE compared to those without it.

### **WaterHub at Emory**

Emory's WaterHub is a water recycling system that uses eco-engineering processes to clean waste water for future non-potable uses like flushing toilets. Installed in 2015, it is the first system of its kind in the United States. Emory's WaterHub is capable of recycling up to 400,000 gallons of water each day—nearly 40 percent of Emory's total campus water needs. Multiple Rollins classes have conducted water quality testing throughout different stages of the water treatment process to test the technology and to identify other global contexts that could benefit from employing similar technologies.



# ROLLINS STUDENT ORGANIZATIONS

## **Asian Pacific Islander Desi Association at Rollins (APIDA)**

APIDA aims to advocate for and build community among APIDA-identifying students at the Rollins School of Public Health.

## **Association of Black Public Health Students (ABPHS)**

ABPHS is designed to enhance the experience of students of color attending the Rollins School of Public Health, to encourage community engagement, and to raise consciousness of health issues concerning Black communities in the U.S. and abroad. ABPHS strives to augment the graduate experience by providing opportunities for academic support, professional growth, community service, and social bonding within the Rollins community and the greater Atlanta metro area.

## **Career Development Ambassadors (CDA)**

CDA is a volunteer, student-led organization at Rollins that enables students to gain programmatic experience assisting the Office of Career Development with large events and preparing students for networking, career development, and professionalism.

## **Emory Global Health Organization (EGHO)**

The goal of EGHO is to facilitate engagement in global health outside the classroom. To accomplish this, EGHO works through several different committees, each of which focuses on an important aspect of student interest. Through these committees, EGHO works to engage in global health issues through service and advocacy; foster global health awareness and encourage the growth of a global perspective; increase resources and opportunities available to all students with an interest in global health; and build connections with each other and with professionals in the field.

## **Emory Mental Health Alliance (EMHA)**

The mission of EMHA is to foster a community of positive mental health, awareness of negativity, and stigma reduction. EMHA works to communicate this mission to Emory students and the greater Atlanta community with a shared goal of changing the conversation on mental health to one of acceptance and support. EMHA hosts several events throughout the year bringing mental health professionals and Emory students together to educate the community and advocate for current mental health topics.

## **Emory Students for One Health (ESOH)**

One Health is an approach that recognizes that the health of people is connected to the health of animals and the environment. ESOH provides learning and professional development opportunities that focus on collaborative, multisectoral, and transdisciplinary approaches in local and global communities. Additionally, it is a multidisciplinary organization that seeks to achieve optimal health outcomes while recognizing the interconnection between people, animals, plants, and their shared environment.

## **Emory Reproductive Health Association (ERHA)**

ERHA promotes reproductive health and rights awareness through community outreach, research, and fundraising locally and globally. The purpose of ERHA is to increase awareness of current local and global reproductive health issues through educational outreach, guest speakers, films, and distribution of information. Students can be actively involved in the Emory and Atlanta communities by volunteering with local organizations focused on disparities in reproductive health. Members also fundraise for reproductive causes, more specifically, the GEMMA fund established by Roger Rochat.

**Georgia Association for Healthcare Executives (GAHE)**

The GAHE is the largest health executive oriented association in the state of Georgia. Established in 2019, the Emory Chapter of the GAHE is a student-run initiative that fosters leadership development, educational updates, and professional networking opportunities for future healthcare professionals. Members of the GAHE have the opportunity to work collaboratively with faculty members and students at Rollins and in other graduate divisions at Emory University.

**Georgia Public Health Association (GPHA)**

GPHA is a non-profit corporation and is organized for the purpose of promoting the public and personal health of the citizens of Georgia. It is the largest group of public health professionals in the Southeast. It provides many opportunities for networking with public health professionals, attending continuing education seminars, and advocating for public health issues concerning Georgians.

**Humanitarian Emergencies Research Team (HERT)**

HERT aims to provide students with an opportunity to collaborate with public health professionals and contribute to research projects related to Complex Humanitarian Emergencies (CHEs). Members are selected through a competitive application process.

**La Alianza Latinx (LAL)**

La Alianza Latinx is a student-led organization composed of Latinx and Latin American public health students interested in issues affecting the Latinx community at the Rollins School of Public Health, in the metro Atlanta area, throughout the United States, and internationally. LAL strives to strengthen and build a Latinx community at the Rollins School of Public Health by creating a space that enables students to excel academically, professionally, and socially.

**Queer/Trans\* Collaborative at Rollins (QT\*C)**

QT\*C is a consortium of LGBTQ+ (lesbian, gay, bisexual, transgender, queer, and other fluid identity) individuals

connected to the Rollins School of Public Health. QT\*C is committed to increasing visibility, academic discourse, networking opportunities, future leaders, and solidarity among LGBTQ+ persons.

**Rollins Association for Cancer Prevention and Control (RACPAC)**

RACPAC is a professional graduate school organization aimed at connecting Rollins students with public health professionals and opportunities in the cancer field. Our mission is cancer prevention through advocacy, fundraising, community involvement and volunteering.

**Rollins Diversity and Inclusion Committee**

Our mission is to challenge Rollins to have an explicit, systematic, and timely approach to addressing issues of diversity and social inequity in campus social and academic climates. This includes addressing the following pillars: academic environment, student life, communication, and monitoring and evaluation.

**Rollins Environmental Health Action Coalition (REHAC)**

REHAC believes that the environment influences our health and as health advocates we must also promote a safe and sustainable community. It seeks to improve and protect our living and working environment through locally focused and collaborative education, action, and reaction.

**Rollins International Student Association (RISA)**

RISA promotes communication and collaboration among its members and other student-chartered organizations at Rollins and Emory University, such as RSGA. RISA members meet to discuss and advise Student Services and other university units on international students' needs and concerns. RISA's vision is for Rollins' international student body to become fully integrated into Rollins, Emory University, and that greater Atlanta community.

**Rollins mHealth Collaboration (RmC)**

The RmC provides students and faculty with a forum to explore the global mobile health phenomenon while building practical skills in mobile tech systems design,





implementation, scaling, and evaluation. Their two priority areas include: introducing students and faculty to the field of mHealth and educating students and faculty in mHealth systems design, implementation, scaling, and evaluation.

#### **Rollins Peace Corps Community (RPCC)**

RPCC is an organization where Returned Peace Corps Volunteers and other graduate students at Rollins network with their fellow colleagues.

#### **Rollins Student Ambassadors**

The Rollins Student Ambassador Program is an extension of the Rollins Office of Admission and Student Services. They play an important role in supporting recruitment efforts, communicating the Rollins mission, and serving as an outstanding example of the Rollins student community. Ambassadors help with a variety of admissions functions, including: leading campus/building tours, participating in recruitment events in Atlanta and around the United States, answering questions related to admission and student life at Rollins, and authoring content for the Rollins Student Ambassadors Blog.

#### **Rollins Student Government Association (RSGA)**

RSGA is the governing student assembly of the Rollins School of Public Health. The purpose of the RSGA is to advocate for students and enrich the experience of their time at Rollins. The RSGA addresses students' needs and concerns regarding school facilities, current administration, academia, extra-curricular activities, and more. The RSGA presides over the department student representatives of Rollins and student organizations. The annual budget of RSGA and Rollins student organizations are allocated from student activity fees paid by students. Annual elections for executive board and departmental representative positions are held each October.

#### **Society for Public Health in Medicine (SPHM)**

SPHM is a student organization dedicated to meeting the growing need for peer support and faculty guidance as current Rollins students look to continue their academic journey in MD and DO programs following the completion of their MPH/MSPH degree.

#### **Students for Social Justice (S4SJ)**

S4SJ is a network of students committed to equity, change, and social justice within our personal, academic, and professional lives. S4SJ seeks to create a network of diverse friends and coworkers in order to form coalitions which bring a social justice framework to various topics, and to mobilize students for action, advocacy, and community engagement.

#### **Student Outreach and Response Team (SORT)**

SORT is a collaborative effort between the DeKalb County Board of Health and the Rollins School of Public Health's Center for Public Health Preparedness & Research, whose mission is "to promote future public health leadership by providing students with hands-on experiences that contribute to improved community health." SORT provides current public health students with the opportunity to apply public health theory to practical settings. Master's students are chosen annually at the start of the fall semester via a competitive application process to participate in this program.

#### **WASH Action Research & Practice (WARP)**

Students in WARP are committed to breaking the cycle of poverty and disease in developing countries through increasing access to safe drinking water, adequate sanitation, and appropriate hygiene. Students in WARP collaborate with faculty members to host events that feature WASH researchers in the Atlanta area and increase awareness of WASH-related diseases.





### **Academic Resource Center (ARC)**

Sponsored by the Office of Admission & Student Services, ARC at the Rollins School of Public Health offers free writing and quantitative tutors for degree seeking students. Writing tutors are available by appointment, and quantitative tutors have drop-in hours and appointments weekly.

### **ROLLINS AND EMORY-WIDE OFFICES**

#### **Center for Women**

The Center for Women at Emory helps Emory University provide the best possible environment for women as students, scholars, and employees. We advocate for gender equity throughout the University; provide resources and skill-building opportunities; and bring faculty, students, practitioners, activists, and other learners together to examine gender issues and work toward ethical solutions.

#### **Office of Accessibility Services (OAS)**

OAS, part of the Office of Equity and Inclusion, assists qualified students, faculty, and staff with obtaining a variety of services and ensures that all matters of equal access, reasonable accommodation, and compliance are properly addressed.

#### **Office of LGBT Life**

The mission of the Office of Lesbian, Gay, Bisexual, and Transgender Life is to engage the university community in the creation of an affirming and just campus environment while supporting the development of students of all genders and sexual identities.

#### **Office for Racial and Cultural Engagement**

The Office for RACE encourages and challenges students to inquire about the construction of racial identities and create active learning communities that enhance their awareness and exploration of why and how race informs cultural and communal development.

### **Office of Spiritual and Religious Life**

The Emory University Office of Spiritual and Religious Life supports the university's religious and philosophical diversity by providing opportunities to engage with spiritual life on campus through worship, meditation, education, service, social justice, and interfaith engagement.

### **Office of Sustainability**

Emory's sustainability vision is to help restore the global ecosystem, foster healthy living, and reduce the University's impact on the local environment. Progress will be measured using the environmental, economic, and social "triple bottom line" of sustainability.