INTRODUCTIONS

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EH DEPARTMENT OVERVIEW

- THE EMORY DEPARTMENT OF ENVIRONMENTAL HEALTH EXPLORES HOW HUMAN HEALTH IS INFLUENCED BY OUR INTERACTIONS WITH THE ENVIRONMENT.

- THIS INCLUDES EVERYTHING FROM CHEMICAL AND MICROBIAL CONTAMINATION OF AIR, WATER, AND OTHER MEDIA TO URBAN SPRAWL AND CLIMATE CHANGE.
Our ultimate goal is to promote a healthy environment for all people.

We prepare students to tackle challenges of the future, e.g.,:

- understanding interactions of exposures with human genome
- projecting impacts of climate and other global changes
- promoting sustainable stewardship of resources, e.g., ensuring safe air and water

Expansive view of environmental health rather than narrow subspecialty.
FACULTY, RESEARCH, AND STUDENT OPPORTUNITIES
DIVERSE FACULTY

- OUR FACULTY HAVE PHDS IN:
  - ENVIRONMENTAL HEALTH
  - ENVIRONMENTAL SCIENCE
  - ENVIRONMENTAL ENGINEERING
  - EPIDEMIOLOGY
  - BIOLOGY
  - CHEMISTRY
  - MEDICINE (MD)
  - LAW (JD)

- MOST HAVE JOINT APPOINTMENTS
RESEARCH AREAS

PESTICIDES AND INDUSTRIAL CONTAMINANTS

AIR POLLUTION AND GLOBAL CLIMATE CHANGE

WATER, SANITATION, & HYGIENE (WASH)

INFECTIOUS DISEASE ECOLOGY
RESEARCH AREAS

- AIR AND WATER POLLUTION
- INFECTIOUS DISEASE ECOLOGY
- PESTICIDES
- WATER, SANITATION, AND HYGIENE (WASH)
- NEUROLOGIC OUTCOMES
- ENDOCRINE DISRUPTORS
- GENE-ENVIRONMENT INTERACTIONS
- BUILT ENVIRONMENT
- GLOBAL CLIMATE CHANGE
PARTNERSHIPS

• CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)
  • NATIONAL CENTER FOR ENVIRONMENTAL HEALTH
  • AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY (ATSDR)
  • NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH)

• ENVIRONMENTAL PROTECTION AGENCY

• AMERICAN CANCER SOCIETY

• GEORGIA DIVISION OF PUBLIC HEALTH

• GEORGIA ENVIRONMENTAL PROTECTION DIVISION
ACADEMIC OVERVIEW

• DEGREES & PROGRAMS
• PRE-REQUISITES
• CURRICULUM
• PRACTICUMS & INTERNSHIPS
• THESIS & CAPSTONE
• Q&A
DEGREES OFFERED

- ENVIRONMENTAL HEALTH (MPH)
- GLOBAL ENVIRONMENTAL HEALTH (MPH)
- ENVIRONMENTAL HEALTH-EPIDEMIOLOGY (MSPH)
- 5-YEAR PROGRAM FOR BS ENVIRONMENTAL SCIENCE AND ENVIRONMENTAL HEALTH (MPH)
- DUAL-DEGREES WITH MPH INCLUDE: MD, MBA, JD, MSN, AND MMSC (PHYSICIAN ASSISTANT)
- PHD IN ENVIRONMENTAL HEALTH SCIENCES
- WWW.SPH.EMORY.EDU/DEPARTMENTS/EH/DEGREE-PROGRAMS/INDEX.HTML
GAIN SKILLS IN

• HAZARD RECOGNITION AND CONTROL
• RISK ASSESSMENT
• ENVIRONMENTAL POLICY
• EPIDEMIOLOGY
• TOXICOLOGY
• PROGRAM IMPLEMENTATION AND EVALUATION
• ECOLOGY, DEMOGRAPHY, AND ENVIRONMENTAL SCIENCE
PREREQUISITES

COURSE WORK:

• **REQUIRED**: CHEMISTRY, BIOLOGY
• **RECOMMENDED**: CALCULUS, STATISTICS, ORGANIC CHEMISTRY, PHYSIOLOGY

• **GLOBAL ENVIRONMENTAL HEALTH**

APPLICANTS:

• **GLOBAL EXPERIENCE**
CURRICULUM

STUDENTS MUST COMPLETE:

1. COURSE WORK:
   - MPH: 42 HOURS
   - MSPH: 48 HOURS
   - DUAL-DEGREES: 32 HOURS IN RSPH;
     10 SHARED FROM OTHER PROGRAM
   - EH COURSES AND SAMPLE SYLLABI:
     WWW.SPH.EMORY.EDU/ACADEMICS/COURSES/EH-COURSES/INDEX.HTML

2. PRACTICUM

3. CULMINATING EXPERIENCE
PRACTICUM

- 200-400 HOURS
- PAID OR UNPAID
- WIDE-RANGE OF OPPORTUNITIES

RESOURCES
- RSPH CAREER SERVICES
- ROLLINS OPPORTUNITY LINK
- PUBLIC HEALTH EMPLOYMENT CONNECTION
- LISTSERVS
- FACULTY
- PRACTICUM FAIRS
- NETWORKING, ETC.
CULMINATING EXPERIENCE

• THESIS OR CAPSTONE (THESIS FOR MSPH)
• CULMINATION OF WHAT YOU HAVE LEARNED IN THE CLASSROOM
• OFTEN PART OF PRACTICUM EXPERIENCE
• ROLLINS FACULTY SERVE AS ADVISORS
SUPPORT & ADVISING

• ALL INCOMING STUDENTS ARE ASSIGNED
  • EH FACULTY ADVISOR
  • ASSOCIATE DIRECTOR OF ACADEMIC PROGRAMS (ADAP)
PRACTICUM EXAMPLES

CENTER FOR GLOBAL SAFE WASH
- COMMUNITY MAPPING TO ESTABLISH THE SIZE, POPULATION, AND PERCENT COVERAGE FOR TYPES OF SANITATION IN 6 COMMUNITIES

NATIONAL CENTER FOR ENVIRONMENTAL HEALTH
- PUBLIC HEALTH CONSEQUENCES OF DISASTERS

ENVIRONMENT AND POPULATION RESEARCH CENTER
- PESTICIDES AND SAFE PRACTICES AMONG FARMERS IN RURAL BANGLADESH

ENVIRONMENTAL PROTECTION AGENCY, REGION IV
- CLIMATE CHANGE INFORMATION CLEARINGHOUSE

YOUTH FOR UNITY AND VOLUNTARY ACTION
- AIR QUALITY IN INDIA
# FUNDING OPPORTUNITIES

<table>
<thead>
<tr>
<th>Scholarship Type</th>
<th>URL</th>
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<tbody>
<tr>
<td>Merit Scholarship</td>
<td><a href="http://sph.emory.edu/admissions/tuition/ways-to-pay/scholarships/index.html">http://sph.emory.edu/admissions/tuition/ways-to-pay/scholarships/index.html</a></td>
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<tr>
<td>Financial Aid Award</td>
<td><a href="http://sph.emory.edu/admissions/tuition/applying-for-aid/index.html">http://sph.emory.edu/admissions/tuition/applying-for-aid/index.html</a></td>
</tr>
<tr>
<td>Rollins Earn &amp; Learn (REAL) Award</td>
<td><a href="http://sph.emory.edu/rollins-life/community-engaged-learning/real/index.html">http://sph.emory.edu/rollins-life/community-engaged-learning/real/index.html</a></td>
</tr>
<tr>
<td>Global Health Institute (GHI) Award</td>
<td><a href="http://www.globalhealth.emory.edu/what/student_programs/student_funding_opportunities/multidisciplinary.html">http://www.globalhealth.emory.edu/what/student_programs/student_funding_opportunities/multidisciplinary.html</a></td>
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<tr>
<td>Environmental Health Specific Opportunities</td>
<td>via EH-related organizations like EPA, National Science Foundation, U.S. Dept. of Energy</td>
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Global Health Institute (GHI) Award:

- [http://www.globalhealth.emory.edu/what/student_programs/student_funding_opportunities/multidisciplinary.html](http://www.globalhealth.emory.edu/what/student_programs/student_funding_opportunities/multidisciplinary.html)
CAMPUS ORGANIZATIONS

• CLIMATE@EMORY
• ROLLINS ENVIRONMENTAL HEALTH ACTION COMMITTEE (REHAC)
• ROLLINS STUDENT GOVERNMENT ASSOCIATION
• EMORY GLOBAL HEALTH ORGANIZATION (EGHO)
• CENTER FOR GLOBAL SAFE WASH
• EMORY’S OFFICE OF SUSTAINABILITY INITIATIVES
• GRADUATE SUSTAINABILITY GROUP
MORE STUDENT LIFE

• ROLLINS OUTDOOR CLUB
• EDUCATIONAL GARDEN PROJECT
• GLOBAL GROWERS
• BIKE EMORY AND SPOKES COUNCIL
• OPPORTUNITIES TO START YOUR OWN CLUBS
• EMORY INTRAMURALS (INNER TUBE WATER POLO, SOCCER)
• FUN FESTIVALS IN ATLANTA (LANTERN PARADE, MUSIC FESTIVALS)

• ATLANTA BELTLINE (SUSTAINABLE REDEVELOPMENT PROJECT WITH PARKS/TRAILS)
• GREAT HIKING IN NORTHERN GEORGIA (START OF THE APPALACHIAN TRAIL)
• BEACHES ACCESSIBLE WITHIN 4 HOUR DRIVE
QUESTIONS?

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