TULANE UNIVERSITY:
AN INVENTORY OF ENVIRONMENTAL PROGRAMS
2004 – 2005

Please note that the following information was submitted to the Environmental Summit Planning Committee and compiled as a preliminary draft of environmental programs at Tulane University.

- **Academic environmental programs**
  - 23 schools/departments & 59 environmental faculty offer 127 environmental classes
  - Most popular interdisciplinary coordinate undergraduate major – Environmental Studies
    - 2 tracks – Environmental Science; Environmental Policy
  - 5 undergraduate & 11 graduate curricular environmental programs
    - Civil and Environmental Engineering: undergraduate, graduate programs
    - Interdisciplinary environmental graduate programs
      - Law/Public Health
      - Law/Business
      - Law/Master’s of Science/Arts
    - “Four Plus One” graduate programs in environment
      - BS in EEOB, MS in Environmental Biology
      - BS in EEOB/EES, MS in Environmental Science
      - BS/BA, MPH in Environmental Health Sciences (also with Xavier University)
  - Environmental Law program – ranked 5th nationally of more than 50 programs
    - 1 of 7 schools offering environmental law concentration in JD program
    - 1 of 3 schools offering master’s degree combining environment & energy law
    - 1 of 20 Environmental Law Clinics – client representation on environmental issues; largest in country
    - 1 of 5 Law and Policy Institutes focused on international and comparative research and technical assistance with clinical opportunities for student participation
    - *Tulane Environmental Law Journal* - publishes twice a year plus occasional special editions for past 14 years, nationally ranked
  - Nationally acclaimed distance learning programs for:
    - MPH in Occupational Health
    - MSPH in Industrial Hygiene
    - MPH in Occupational Health and Safety Management
  - CBR Summer Research Academy – pipeline program in bioenvironmental sciences
  - Environmental education outreach
    - Annual Conference on Environmental Hormones (e.hormone) - 6th annual international symposium, October 2004
    - Annual Conference on Environmental Law, Science and the Public Interest (jointly sponsored by Institute and Society) – 10th annual conference, April 2005

- **Active student organizations dedicated to improving environmental conditions**
  - Green Club: produces *Enviro Counter Culture Culture Catalog*, a guide to environmental faculty & classes, and *GreenServe*, a weekly email newsletter
  - Environmental Law Society: action, outings & speakers programs
  - Environment & Medicine Committee
DRAFT

- Free the Planet – environmental action
- SPHTM/ENHS – student organizations within professional associations

**Noted University involvement in environmental service & stewardship**
- Uptown campus has comprehensive recycling program
- Energy Star and Ecolympics energy efficiency education programs
- Sustainable transit programs are improving public transit and bicycling
- Full-time staff member dedicated to campus stewardship

**Compliance Management System implemented by Office of Environmental Health and Safety**
- Overseen by a university-wide Environment Health and Safety Operations Committee, and a Policy Committee of Senior Administrators
- Year-old Departmental Safety Representatives program ensures that safety and compliance information reaches every employee

**Commitment to greening the Tulane campus**
- Alcee Fortier Building – campus environmental center
- Israel Environmental Sciences Building: close to LEED Green Building certification
- J. Bennett Johnston Quadrangle: native species landscaping
- New construction & renovations
  - University Center: showcase for sustainability
  - Richardson Memorial Architecture studios
  - New AB Freeman School of Business
  - Residence Halls: student proposal for green renovations of Sharp Hall
  - Uptown Campus Cogeneration facility: producing energy with greater efficiency

**Broad spectrum of research activity**
- Architecture:
  - urban design
  - practices addressing sustainable design
- CBR: environmental signals; estuarine & marine ecosystems
- Engineering
  - Electrical Engineering & Computer Science: underwater robotics for environmental monitoring of local aquatic ecosystems
- Law: international and comparative environmental law
  - Environmental law and democracy
  - Natural resource use and violent conflict in developing countries
- Liberal Arts & Sciences
  - Anthropology: Amazon rainforest issues
  - Cell & Molecular Biology:
  - Earth & Environmental Sciences
  - Ecology & Evolutionary Biology:
    - Tropical biology, global change biology, systematic biology
    - Collections (fish and plant) with enormous potential for environmental & biodiversity-related research
  - Philosophy:
  - Sociology:
  - Theatre & Dance
- Public Health: environmental health sciences
  - Environmental Public Health
  - Water quality management
Hazardous waste management
Industrial hygiene
International Environmental Health

Biomedical research
- Inhalation of toxic environmental agents
- Molecular mechanisms of disease
- Therapeutic approaches at the genetic level

Multiple interdisciplinary research centers with environmental themes

Within Schools
- National Institute for Global Environmental Change (NIGEC) – Engineering
- Center for Applied Environmental Public Health (CAEPH) – Public Health
  - Center of Excellence in Environmental Public Health Tracking (CAEPH)
  - Prevention Research Center – (Obesity and the built environment ) (CAEPH)
- Institute for Environmental Law & Policy – Law (Law & Democracy; Environment & Security)
- Museum of Natural History – LAS
- Environmental Respiratory Disease Research Center – Medical School

Across multiple Schools
- Center for Bioenvironmental Research at Tulane and Xavier Universities
- Payson Center for International Development & Technology Transfer
- Roger Thayer Stone Center for Latin American Studies: connects Tulane to programs & opportunities throughout Latin America and the Caribbean region
- Tulane/LSU Cancer Center

Coordinated Instrumentation Facility available to all faculty

Active academic partnerships
- Xavier University
  - Office of Environmental Education
  - Deep South Center for Environmental Justice
  - Joint faculty appointments between EHS/SPHTM and Xavier University
- Nicholls State University
- Jackson State University
- Southern Mississippi University
- LUMCON: Louisiana Universities Marine Consortium located in Cocodrie
- Member institution of Organization for Tropical Studies: provides strong recruiting tool (faculty, graduate students) in Biology & related fields; provides access to rigorous tropical courses for both undergraduate and graduate students

Available interactive web-based communication network
- http://green.tulane.edu
- 2 universitywide environmental listservs since 1997
  - efac: relating to faculty & maintained by Office of Environmental Studies
  - greensrv: student-produced weekly calendar of Green Club and campus environmental events