

The purpose of this document is to provide you with information to help you begin planning for your academic experience thereby making it as broad and fulfilling as possible. By looking to the future and creatively using the variety of resources available, you can plan an undergraduate experience that far exceeds simply choosing an academic major. This document provides a variety of information about the major, including required courses, related career fields, and resources for experiential learning and career planning.

UT'S INTERDISCIPLINARY PROGRAMS — ENVIRONMENTAL STUDIES

This B.A. Degree program is designed to provide a sound scientific, socioeconomic, and philosophical background for understanding the earth's environment.

Solutions to environmental problems require interdisciplinary approaches. This interdisciplinary program requires a sound base in both biological and physical sciences to provide an understanding of how the world works. Courses in agriculture, sociology, philosophy, and economics are required in order to provide an understanding of the importance of human and economic values in making environmental decisions. Thus, a goal of the program is to offer a curriculum that emphasizes the relevance of human economic values and science in making prudent environmental decisions. Within the scope of the program, skills can be developed in at least one discipline - the discipline area in which the student chooses to satisfy requirements for a specialty. This program affords preparation for many post baccalaureate options, some that might not otherwise be available without this interdisciplinary background.

Department Contact: Dr. Don Byerly

306 Geological Sciences Building

(865) 874-6007

SAMPLE CAREER FIELDS

Government Service
Education

Environmental Organizations
Management

Community Service
Communications

Environmental Law
Corporate Environmental
Affairs

WHAT SHOULD YOU BE DOING? HAVE A PLAN? HERE IT IS...

FRESHMAN YEAR

- Discuss requirements, related majors, and registration with an Arts & Sciences Advisor
- Become familiar with the library and its resources
- Complete prerequisites and corequisites to major courses
- Plan now to participate in a study abroad program as a junior or senior (visit Center for International Education, 1620 Melrose Avenue)

SOPHOMORE YEAR

- Declare or apply for progression into a major
- Start putting together a resume'
- Establish relationships with professors in your major to gain insight into the department, course offerings, projects, etc.
- Establish relationships with professionals in relevant career fields to find out what they are looking for in new recruits
- Contact Career Services to learn about the services they provide

JUNIOR YEAR

- Plan the remainder of your curriculum with an advisor
- After completing 90 credit hours request a Senior Standing Sheet in 209 Student Services Building
- Engage in or start planning appropriate research and practicum experiences
- Discuss graduate school plans, send away for catalogs and applications
- Prepare for graduate level standardized tests such as the GRE, LSAT and MCAT

SENIOR YEAR

- Take graduate level standardized tests such as the GRE, LSAT, and MCAT
- Finalize graduation details in 209 Student Services Building
- Secure permission from professors, administrators, professionals for letters of recommendation
- Attend workshops on career related subjects at Career Services
- Register for campus recruiting program at Career Services

KEYS TO LIFELONG SUCCESS

As you pursue course work throughout your own Arts and Sciences curriculum (Basic Skills, Divisional Distribution, and Upper-Level Distribution), you will be developing skills and aptitudes in the following areas. Refer to pages eight and nine in the *Arts and Sciences Curriculum Guide and Advising Handbook* for additional information about how the various courses will enhance the development of the following skills and aptitudes.

CRITICAL THINKING

Analysis
Deductive Reasoning
Constructing Arguments
Assessing Evidence
Creative Thinking
Decision Making

INVESTIGATION

Devise Hypotheses
Research Methodology
Problem-Solving
Experimentation

HUMAN RELATIONS

Appreciation of Diversity
Working in Groups
Exploration of Values
Developing Leadership
Appreciation of Humankind and its Accomplishments
Understanding Structure/Behavior Within Organizations

COMMUNICATION PROCESSES

Development of Effective Writing Skills
Development of Effective Reading Skills
Development of Effective Listening Skills
Ability to use Technology
Bilingual Capabilities (Desirable)

RESEARCH APPLICATION

Internship/Cooperative Opportunities
Research
Independent Study Projects
Study Abroad
Volunteer Experiences

INTERNET RESOURCES

UT Arts and Sciences Advising Services

<http://www.artsci.utk.edu/advising/>

UT Career Services

<http://web.utk.edu/~career>

UT Center for International Education

<http://web.utk.edu/~globe>

The Catapult on Job Web

<http://www.jobweb.org/catapult/catapult.htm>

(Springboard to career-related sites)

The Catapult's Graduate and Professional School Guides

<http://www.jobweb.org/catapult/gguides.htm>

Yahoo (search engine)

<http://www.yahoo.com>

EXPERIENTIAL LEARNING:

INTERNSHIPS, CO-OPS, VOLUNTEER EXPERIENCE

Arts and Sciences Advising Services

220 Ayres Hall

(865) 974-4483

Career Services

100 Dunford Hall

(865) 974-5435

Team Vols - Volunteer Center

315A University Center

(865) 974-8481

Cooperative Education Programs

100 Dunford Hall

(865) 974-5435

Center for International Education

1620 Melrose Avenue

(865) 974-3177

Student Activities Office

305 University Center

(865) 974-5455

Environmental Studies Program

210 G & G Building

(865) 974-6007

CAREER/GRADUATE SCHOOL RESOURCES

UT Arts and Sciences Advising Services

220 Ayres Hall

(865) 974-4483

UT Career Services

100 Dunford Hall

(865) 974-5435

UT Graduate School Admissions

218 Student Services

(865) 974-3251

UT Environmental Studies Program

210 G & G Building

(865) 974-6007

THE CURRICULUM

This major guide reflects *The University of Tennessee Undergraduate Catalog 2000-2001*. The following courses may have prerequisites and corequisites. Please check the catalog for complete information about each course.

THE MAJOR

Progression Requirements:

None

Prerequisites:

- 1) Biology 130 *Biodiversity* -140 *Organization and Function of the Cell* or Botany 110-120 *General Botany*
- 2) Chemistry 120-130 *General Chemistry*
- 3) Geology 101 *The Dynamic Earth*
- 4) Geography 131 *Geography of the Natural Environment*
- 5) Economics 201 *Introductory Economics*
- 6) Math 123 *Finite Mathematics* - 125 *Basic Calculus* or 141-142 *Calculus I, II* or 151-152 *Mathematics for the Life Sciences I, II*

Requirements:

The major concentration in Environmental Studies consists of a core and a speciality.

CORE

- 1) Biology 250 *Ecology*
- 2) Sociology 360 *Environmental Sociology*
- 3) Philosophy 346 *Environmental Ethics*
- 4) Economics 462 *Resources and Environmental Policy*
- 5) Agriculture 333 *Food, Forests, and the Environment*
- 6) One of the following: Geology 455 *Basic Environmental Geology*, Geography 436 *Water Resources*, or Plant and Soil Science 432 *Bioclimatology*

SPECIALTY

The specialty consists of 15-18 hours as specified by the chosen department. The specialty is satisfied by meeting the course requirements listed for a minor in any one of the environmentally related curricula offered by the various colleges of the University with a "C" or better. Curricula that would be suited for an Environmental Studies major include, but are not limited to:

- Biology
- Business Administration
- Chemistry
- Communications
- Economics
- Forestry
- Geography
- Geology
- Plant and Soil Science
- Political Science
- Sociology
- Wildlife and Fisheries Science

Warning:

Since the specialty is a required part of the major, students must earn a grade of C or better in each course.

THE MINOR

None

CAREER BOOSTERS

FRESHMAN YEAR

- Enroll in a Speech Communication course
- Learn how to use computers and word processing programs
- Participate in campus and/or community activities
- Meet with a career counselor to discuss resources, personality inventories, and career plans

SOPHOMORE YEAR

- Identify potential part-time and summer employment opportunities related to your field
- Further develop skills in writing, speaking, and problem solving via coursework and experiential learning
- Consider taking additional courses which may lead to a minor

JUNIOR YEAR

- Enroll in advanced level writing courses
- Participate in a Study Abroad program and/or relevant internship program
- Watch graduate school video at A & S Advising Services
- Consider doing research for a professor
- Seek out field or laboratory work
- Update your resume'

SENIOR YEAR

- Conduct a videotaped practice interview at Career Services
- Finalize resume', cover letters, graduate school and job applications
- Obtain a leadership position in a student organization, club, or society
- Visit prospective graduate schools

SAMPLE RESUME'

Assistance with resume' preparation is available at Career Services, which is located in 100 Dunford Hall, or on the web at <http://web.utk.edu/~career>.

SARAH SOCIAL SCIENCE

Current Address:
1629 Cumberland Avenue #11D
Knoxville, TN 37916
(865) 595-1212

Permanent Address:
123 Freud Lane
Bates, CA 90078
(213) 555-9999

OBJECTIVE	To obtain a summer internship within the helping professions
EDUCATION	University of Tennessee Bachelor of Arts, Major in Psychology (Academic Concentration) May 1999, GPA 3.0/4.0
PROFESSIONAL SKILLS	Excellent Communication Skills Familiar with the Application of Statistical Methods Computer Literate International Experience Fluency in Spanish - Intermediate Level
HONORS	Dean's List University of Tennessee Alumni Scholarship Psi Chi (Psychology Honor Society) Vice President
RELEVANT EXPERIENCE <i>5/98 - Present</i>	Department of Corrections, Maryville, TN <i>Volunteer Probation Counselor</i> Interviewed clients in a flexible, non-judgmental manner Aided clients in the utilization of community resources Maintained appropriate case-related paperwork on a monthly basis Assisted clients in the exploration of alternative solutions to problems
ACTIVITIES	Undergraduate Academic Council – College of Arts and Sciences Liaison Vol Corps – Responsible for giving tours of the campus to perspective students and their families Clement Hall Residence Association – Section Representative 1997-present French Club – 1997-present
ADDITIONAL INFORMATION	CPR Certification United Way Volunteer Willing to relocate
AVAILABILITY	May 16 - August 12, 1999
REFERENCES	Available on request

The Arts and Sciences major guides are a project of Arts and Sciences Advising Services. For more information about courses of study or center services, please visit 220 Ayres Hall or call (865) 974-4483.

The University of Tennessee does not discriminate on the basis of race, sex, color, religion, national origin, age, disability, or veteran status in provision of education programs and services or employment opportunities and benefits. This policy extends to both employment by and admission to the University. The University of Tennessee does not discriminate on the basis of race, sex or disability in its education programs and activities, pursuant to the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA) of 1990.

Inquiries and charges of violation concerning Title VI, Title IX, Section 504, ADA, the Age Discrimination in Employment Act (ADEA) or any of the other above referenced policies should be directed to the Office of Diversity Resources and Educational Services (DRES); 2110 Terrace Avenue; The University of Tennessee; Knoxville, TN 37996-3560; (865) 974-2498 (TTY available). Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Human Resources Management; 600 Henley Street; Knoxville, TN 37996-4127.

Publication Authorization Number: E01-1001-003-00