

What Can I do with a major in Pharmacology and Toxicology?

Pharmacology and Toxicology graduates pursue careers in the pharmaceutical and chemical industries, and at universities, research institutes, and governmental agencies. Pharmacologists, emphasizing the mechanisms by which drugs act, draw on the disciplines of physiology, pathology, biochemistry, biology, and microbiology to examine the actions of chemicals on living organisms. Toxicologists are engaged in the investigation of poisons, or toxins, from the standpoint of detection, isolation, identification, and determination of their effects on the human body. Pharmacologists and toxicologists work together as part of a multidisciplinary team, which may include synthetic chemists, cell and molecular biologists, clinicians, and experts in other related disciplines.

A Sample of Related Career Opportunities:

Scientist
Clinical Affairs
Legal

Research Associate
Business Development

Regulatory Affairs
Venture Capital

Types of Employers:

Private and Non-profit Organizations

Pharmaceutical Industry Companies
Colleges/Universities
Hospitals/Medical Centers
Clinical Research Organizations

Biotechnology Companies
Managed Care Systems
Nuclear Pharmacies

Government Agencies

U.S. Public Health Service
Food and Drug Administration
National Institutes on Health

Environmental Protection Agency
Department of Defense
U.S. Patent and Trademark Office

Links for Pharmacology and Toxicology Majors

American Society for Pharmacology and Experimental Therapeutics: <http://www.aspet.org/>

Agency for Toxic Substances and Disease Entry: <http://www.atsdr.cdc.gov/>

Career Paths for Pharmacology and Toxicology:

<http://www.physpharm.fmd.uwo.ca/career/career.ihtml>

Pharmacology Resources: http://www.aspet.org/public/pharm_resources/default.html

Resource Guide to Careers in Toxicology:

<http://www.toxicology.org/PublicOutreach/CareerResources/careerguide.html>

Society of Toxicology: <http://www.toxicology.org/>

ASHP's CareerPharm for Pharmacy Careers and Pharmacy Talent: <http://www.careerpharm.com/>

Pharmacy Week: <http://www.pharmacyweek.com/>

MonsterTRAK: <http://www.monstertrak.com>

American Association of Colleges of Pharmacy: <http://www.aacp.org/>

Occupational Outlook Handbook: <http://www.bls.gov/oco/home.htm>