# **CHEMISTRY**

What can I do with this major?

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### PRINT RESOURCES



# **OVERVIEW OF MAJOR**

(All Available in the Career Resource Library in The Career Center)

Great Jobs for Chemistry Majors

Forensic Science Careers (SCI Category)

(SCI Category)

**Opportunities in Pharmacy Science** (SCI Category)

**Pharmaceutical Landing** (SCI Category)

**Guide to Government Jobs** (GOV Section)

Careers in the Environment (ENV Category)

**Best 168 Medical Schools** (Grad Section)

How to Write a Winning Personal Statement for Graduate and Professional School (Grad Section)

Graduate Programs: Business, Education, Health, Information Studies, Law & Social Work (Grad Section) The chemistry major exposes students to the five major areas of chemistry: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry. After graduation many Chemistry graduates pursue more specialized study in one of these five areas or in pharmacy, forensic chemistry, pharmacology, dentistry or medicine. Some graduates begin their professional career working in healthcare, hospitals, government, and in education

#### **CHEMISTRY DEPARTMENT SITE:**

www.loyola.edu/academic/chemistry.aspx

#### **COURSE CATALOGUE:**

 $\frac{www.catalogue.loyola.edu/CATALOGUES/CURRENT/UNDERGRADUATE/artsandsci/chemistry.html \#PageLink1}{chemistry.html \#PageLink1}$ 

#### ACADEMIC ADVISING AND SUPPORT CENTER:

www.loyola.edu/department/aasc.aspx

# POTENTIAL JOB TITLES

♦ Pharmacist

♦ Doctor

♦ Junior Quality Control Manager

♦ Chemist

 $\Diamond$ Research & Development Technician

♦ Chemistry Teacher/Professor

♦ Technical Writer

 $\Diamond$  Process Development Chemist

**◊** Junior Toxicologist

♦ Biochemist

**◊ Safety Inspector** 

♦ Forensic Science Technician

♦ FBI Special Agent

♦ Environmental Engineer

♦ Staff Scientist

♦ Pharmaceutical Field Sales Representative

♦ Health Lobbyist

♦ Genetics Lab Technician

# WHERE CAN I GET AN INTERNSHIP?

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♦ Waste Management of New Jersey

♦ National Institutes of Health

◊ U.S. Army Research Laboratory

♦ Proctor & Gamble

♦ Johnson & Johnson

♦ National Science Foundation

♦ Food & Drug Administration

♦ Baltimore County Police Department

**◊ Wyeth Pharmaceuticals** 

♦ University of Maryland Hospital

♦ Environmental Protection Agency

♦ Loyola University Maryland

♦ MedImunne Inc.

♦ Baltimore City Health Department

♦ Wallie Howard Jr. Center for Forensic Sciences



## SAMPLE WER RESOURCES

#### **American Academy of Forensic Science**

www.aafs.org

American Association for the Advancement of Science: Career Resources

www.aaas.org/careercenter

**American Chemical Society** 

www.acs.org

American Institute of Chemical Engineers

www.aiche.ora

Council for Chemical Research

www.ccrhq.org

The Hamner Institutes for Health Sciences

www.thehamner.org

ChemJobs.net

www.chemjobs.net

International Union of Pure and Applied Chemistry

www.iupac.org

# Possible Career Fields

#### ANALYTICAL

RESEARCH & DEVELOPMENT & ANALYSIS & TESTING & CONSULTING FORENSICS & ENVIRONMENTAL

#### **BIOCHEMICAL**

RESEARCH & DEVELOPMENT ◊ ANALYSIS & TESTING ◊ CONSULTING
MEDICAL ◊ QUALITY CONTROL ◊ ENVIRONMENTAL
HOSPITAL ADMINISTRATION ◊ INDUSTRIAL HEALTH & SAFETY

#### ORGANIC, INORGANIC, PHYSICAL, GEOCHEMISTRY, POLYMER CHEMISTRY

Research & Development  $\Diamond$  Analysis & Testing  $\Diamond$  Quality Control Consulting  $\Diamond$  Environmental Remediation

#### **EDUCATION**

TEACHING ◊ RESEARCH ◊ ADMINISTRATION

#### BUSINESS

TECHNICAL & PHARMACEUTICAL SALES ♦ MARKETING ♦ MANAGEMENT FINANCE ♦ ADVERTISING/PUBLIC RELATIONS ♦ CONSULTING INDUSTRIAL QUALITY CONTROL ♦ RESEARCH & DEVELOPMENT

#### **TECHNICAL WRITING**

LAW



# Sample graduate programs pursued by Chemistry majors:

- ♦ PhD, Organic or Physical Chemistry
- ♦ Doctor of Dental Medicine
- ♦ PhD, Analytical Chemistry
- ♦ MBA, Healthcare Management
- $\Diamond$  JD
- **♦ MAT**
- $\Diamond$  Doctor of Osteopathic Medicine
- ♦ Doctor of Pharmacology
- ♦ PhD, Earth Science
- ♦ MD
- ♦ PhD, Experimental Pathology
- ♦ PhD, Chemical Engineering

### Possible Work Settings

GOVERNMENT & FEDERAL AGENCIES & RESEARCH LABS/FIRMS
ENVIRONMENTAL ORGANIZATIONS & WATER PROCESSING PLANTS
BIOTECHNOLOGY & MANUFACTURING FIRMS & COLLEGES & UNIVERSITIES
INDUSTRIAL ORGANIZATIONS & HOSPITALS & PHARMACIES
WASTE MANAGEMENT FIRMS & PUBLISHERS & LAW FIRMS & LIBRARIES

# **IMPORTANT SKILLS & ABILITIES**

COMMUNICATION ♦ INTERPERSONAL ♦ LEADERSHIP ♦ LABORATORY

ANALYTICAL ♦ RESEARCH ♦ MATHEMATICAL ♦ DETAILED

TEACHING ♦ WORK WELL UNDER PRESSURE ♦ CUSTOMER SERVICE

ORGANIZED ♦ PROBLEM SOLVING ♦ TEAM PLAYER ♦ CRITICAL THINKING

#### **Contact The Career Center:**

Phone: 410-617-2232

Email: thecareercenter@loyola.edu

Website:

www.loyola.edu/thecareercenter