# BIOLOGY

What can I do with this major?



## **PRINT RESOURCES**



## **OVERVIEW OF MAJOR**

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

**Great Jobs for Biology Majors** (SCI Category)

Forensic Science Careers (SCI Category)

**Opportunities in Veterinary Medicine** (SCI Category)

Opportunities in Dental Care Careers

(SCI Category)

**Pharma Landing** (SCI Category)

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

Medical School Admissions Requirements (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 Biology major is designed to provide the depth, scope, and skills necessary for admission to graduate and professional schools or for the job market. After graduation, many Biology majors pursue more specialized study in medicine, nursing and biological studies. Others prepare for teaching careers by doing graduate work in biology, life sciences or biotechnology while others move directly into careers in research and development, pharmaceutical sales, public health or government.

## **BIOLOGY DEPARTMENT SITE:**

www.loyola.edu/academic/biology.aspx

### **COURSE CATALOGUE:**

 $\frac{www.catalogue.loyola.edu/CATALOGUES/CURRENT/UNDERGRADUATE/ARTSANDSCI/BIOLOGY.HTML\#PAGELINK2$ 

## **ACADEMIC ADVISING AND SUPPORT CENTER:**

www.loyola.edu/department/aasc.aspx

# POTENTIAL JOB TITLES

♦ Technical Writer

♦ Pharmaceutical Sales Representative

♦ Emergency Medical Technician

 $\Diamond$  Teacher

♦ Lobbyist

♦ Physical Therapy Technician

♦ Research Analyst

♦ Peace Corp Volunteer

♦ Management Trainee

♦ Medical Technologist I

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 $\lozenge \ Neonatology \ Research \ Assistant$ 

♦ Assistant Ophthalmology Technician

♦ Foreign Service Officer

♦ Microbiology Research Assistant

♦ Medical Service Officer

♦ Veterinary Technician

## WHERE CAN I GET AN INTERNSHIP?

♦ Johns Hopkins Hospital

♦ Loyola University Maryland

◊ National Institutes of Health

♦ Becton Dickinson

♦ National Cancer Institute

♦ CareFirst BlueCross Blue Shield

♦ National Aquarium in Baltimore

♦ Kennedy Krieger Institute

♦ The Maryland Zoo in Baltimore

♦ Novartis Pharmaceuticals Corporation

**♦ Cystic Fibrosis Foundation** 

♦ U.S. Environmental Protection Agency

♦ CIGNA Corporation

♦ The Leukemia & Lymphoma Society

♦ Veterans Administration

♦ Patuxent Wildlife Research Center



## SAMPLE WEB RESOURCES

#### **American Dental Association**

www.ada.org

## American Institute of Biological Sciences

www.aibs.org/home/index.html

## **American Medical Association**

www.ama-assn.org

## **American Medical Writers Association**

www.amwa.org

## **American Society of Animal Science**

www.asas.org

Bio Careers

www.biocareers.com

BiologyJobs.com

www.biologyjobs.com

### **National Association of Biology Teachers**

www.nabt.org

#### National Medical Association

www.nmanet.org

**Science Careers** 

sciencecareers.sciencemag.org



Sample graduate programs pursued by Biology majors:

- ♦ MD
- ♦ Master of Public Health
- ♦ PhD, Immunology
- ♦ MS, Bioethics
- ♦ Doctor of Dental Medicine
- ♦ MS, Pharmacology
- ♦ Doctor of Veterinary Medicine
- ♦ MS, Marine Biology
- ♦ Master in Physician Assistant Studies
- ♦ Nursing
- ♦ Applied Molecular Biology

## Possible Career Fields

## BIOTECHNOLOGY

RESEARCH & DEVELOPMENT & LABORATORY TESTING & TEACHING

### GENETICS

RESEARCH & DEVELOPMENT ◊ GENETIC COUNSELING

#### MICROBIOLOGY

Research  $\Diamond$  Teaching  $\Diamond$  Production  $\Diamond$  Quality Control

## MYCOLOGY, SYSTEMATIC BIOLOGY, ENTOMOLOGY

TEACHING ♦ RESEARCH ♦ FIELD & LABORATORY ♦ CONSULTING ♦ TAXONOMY TOXICOLOGY ♦ CONTROL & SURVEY ♦ EXTENSION ♦ INSPECTION ♦ MEDICINE

## MARINE & AQUATIC BIOLOGY, ZOOLOGY

FOOD ♦ RESEARCH ♦ INSPECTION ♦ TEACHING ♦ ANIMAL CARE/TRAINING
ANIMAL BEHAVIOR ♦ RESEARCH ♦ CURATOR

### BIOMEDICAL

PHYSIOLOGY ♦ BIOPHYSICS ♦ BIOCHEMISTRY ♦ PHARMACOLOGY ♦ NUTRITION IMMUNOLOGY & PATHOLOGY ♦ RESEARCH ♦ TEACHING ♦ QUALITY CONTROL

## **BIOINFORMATICS**

## **EDUCATION**

# TECHNICAL WRITING, ILLUSTRATION, PHOTOGRAPHY TECHNICAL & PHARMACEUTICAL SALES

## LEGISLATION/LAW

LOBBYING ◊ PATENT & ENVIRONMENTAL LAW ◊ REGULATORY AFFAIRS

## **Possible Work Settings**

COLLEGES ♦ PHARMACEUTICAL COMPANIES ♦ BIOTECHNOLOGY FIRMS
FEDERAL & STATE AGENCIES & LABS ♦ RESEARCH LABS ♦ HOSPITALS
CONSULTING FIRMS ♦ ZOOS & AQUARIUMS ♦ CONSERVATION AGENCIES
MUSEUMS ♦ PRESERVES & PARKS ♦ DRUG COMPANIES ♦ PUBLISHERS
NEWSPAPERS & JOURNALS ♦ LAW FIRMS ♦ GOVERNMENT

## Possible Skills & Abilities

PROBLEM SOLVING  $\Diamond$  TEAM PLAYER  $\Diamond$  TEACHING  $\Diamond$  INTERPERSONAL COMMUNICATION  $\Diamond$  DETAILED ORIENTED  $\Diamond$  RESEARCH  $\Diamond$  ANALYTICAL WORK WELL UNDER PRESSURE  $\Diamond$  CUSTOMER SERVICE  $\Diamond$  SALES

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

Phone: 410-617-2232

Email: thecareercenter@loyola.edu

Website:

www.loyola.edu/thecareercenter