## WHAT CAN I DO WITH MY BIOINFORMATICS/COMPUTATIONAL BIOLOGY DEGREE?

### COMPUTER SCIENCE/ENGINEERING
Computer Service Co., Large Corp./Organizations, Software Development Firms, Biotechnology Companies

- Computational Biologist
- Computer Programmer
- Molecular Modeling Researcher
- Database Management
- Data Analyst

- Digestion of Data
- Software Engineer
- Computational Analyst
- Sequence Assembler
- Software Engineer

- Technical Support
- Bioinformatics
- Software Developer
- Web Developer
- Software Developer

### INFORMATION TECHNOLOGY
Computer Service Co., Large Corp./Organizations, Software Development Firms, Biotechnology Companies

- Bioinformatics Analyst
- Biostatistician
- Database Programmer

- Network Administrator
- Data Visualization Specialist
- Data Mining Specialist

- Clinical Data Manager
- Laboratory Information Systems Analyst

### APPLIED SCIENCE
Medical and Hospital Clinics, Pharmaceutical Companies, Industrial Firms, Bioengineering Companies, Private or Hospital Diagnostic Laboratories, Agricultural Institutions

Biotechnology

- Biotechnologist
- Biostatistician
- Biologist
- Biomedical Chemist
- Bioinformatician

- Molecular Microbiologist
- Forensic Biological Scientist
- Product Researcher
- Chemistry Technologist

- Research Scientist
- Protein Matching
- Product Developer
- Cheminformatician
- Pharmacogenetician
- Cytotechnologist
- Medical Technologist
- Virologist
- Anatomist

Medical/Pharmaceutical/Genetics

- Biomedical Engineer
- Biomedical Scientist
- Genetic Researcher
- Geneticist
- Medical Writer
- Public Health/Infection Control
- Healthcare Scientist
- Proteomic Specialist

- Pharmacogenomicist
- Phylogenitist
- Pharmacologist
- Pharmaceutical Researcher
- Gene Analyst
- Protein Analyst
- Scientific Curator
- Pathologist

- Research Scientist
- Mathematician
- Educational Programs Manager
- Bioinformatics Professor
GOVERNMENT/INDUSTRY
Bioengineering Companies, Public Health Service, Department of Health and Human Services, Environmental Protection Agencies, Food and Drug Administration, etc.
≡ Systems Engineer
≡ Consultant
≡ Agricultural Analyst
≡ Market Analyst
≡ Statistician
≡ Plant Breeder
≡ Environmental Engineer
≡ Environmental Scientist
≡ Operations Research Analyst

PREPROFESSIONAL PREPARATION
Prepares for Graduate Programs in:
≡ Management
≡ Business
≡ Law
≡ Math
≡ Science
≡ Medicine
≡ Dentistry
≡ Nursing

KEEP IN MIND...
This list is just a brief introduction to your career options - it is not a complete list! Also keep in mind that although these career fields are open to you, you must take extra steps to prepare yourself for a competitive job market. It is important to:

1. obtain relevant internship, co-op, or volunteer experience (see CC about their part-time, major-related job announcements and the Shriver Center about co-op, internship, and service opportunities) and

2. supplement your course work with classes that would be relevant and beneficial to your chosen career field.

Make an appointment with a career advisor for suggestions on researching your career options, choosing a career field, and preparing for your chosen occupation.

ADDITIONAL RESOURCES
Internet sites: that allow you to explore career options for Bioinformatics/Computational Biology degree:

Career Center: Books/Resources (MP 212)
≡ Career Opportunities in Science
≡ Vault Guide to the Top Pharmaceuticals and Biotech Employers
≡ Careers for Scientific Types
≡ Vault Career Guide to Biotech

National Associations:
≡ The International Society for Computational Biology (www.iscb.org)