



BIO TECHNOLOGY

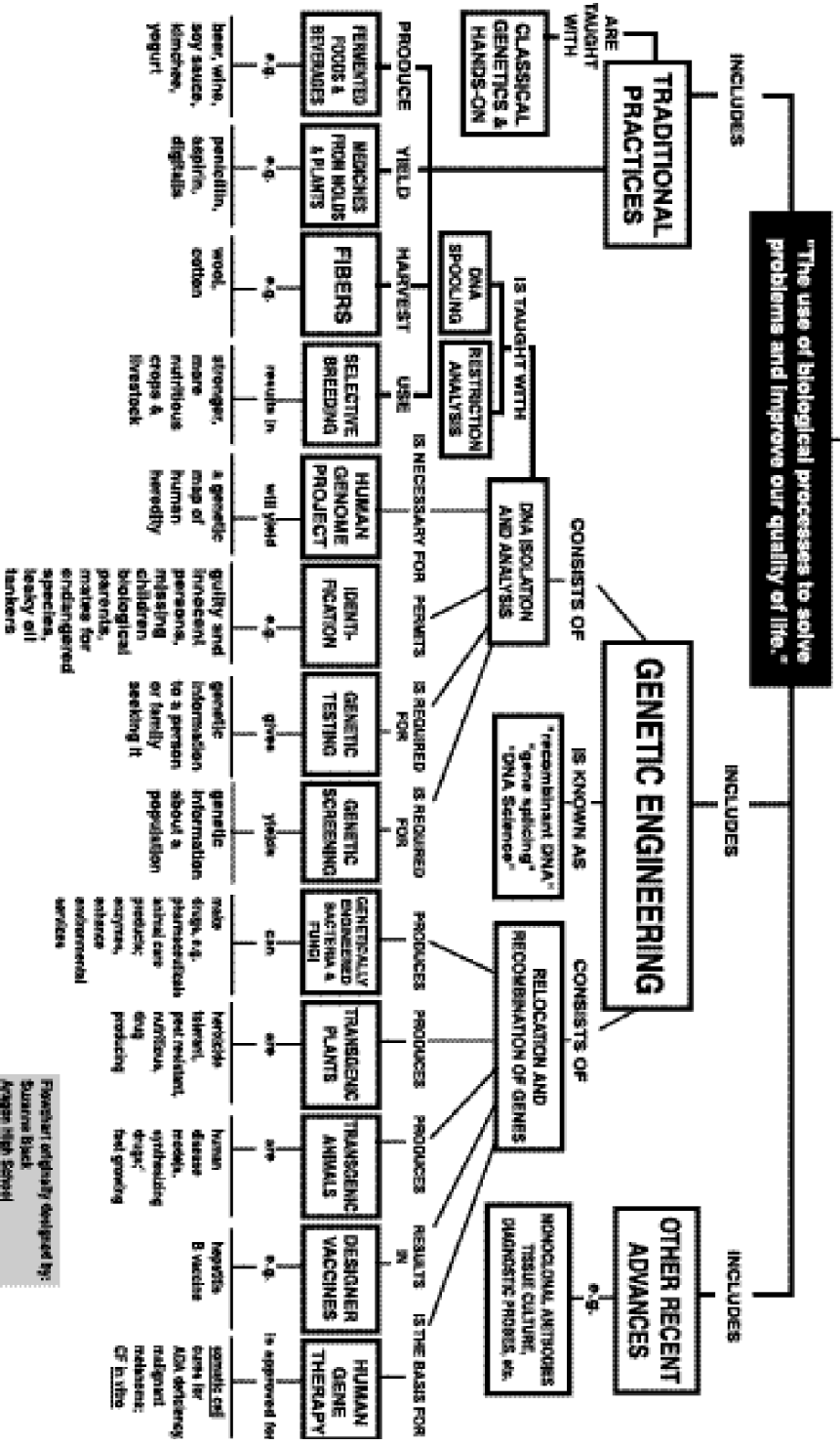
CAREER PATHS:

- ▶ Pharmaceuticals
- ▶ Genetic Engineering
- ▶ Organ Transplants
- ▶ Tissue Culture
- ▶ Food Science
- ▶ Human Genome Mapping
- ▶ Forensics Science
- ▶ Educator

Get the Skills Necessary
To Compete!



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PowerPoint originally developed by:
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Whether you plan to enter the workforce, transfer to a 4 year school, or want to refine your lab skills, make sure you have the skills to make your portfolio competitive.

What is Biotechnology?

" Biotechnology is the use of biological processes to solve problems and improve the quality of life"

Biotechnology is everywhere! To give you a clearer picture of this vast realm of science look at the flowchart on the back of this brochure.

THE MOST SUCCESSFUL STUDENTS ARE THOSE THAT TAKE THE INITIATIVE TO DECIDE THEIR CAREER PATH. MAKE COLLEGE OF THE CANYONS AND BIOTECHNOLOGY PART OF THOSE PLANS AND MAKE THE CALL!

Why should I consider training in biotechnology?

- **Fundamental Skills:** Classes focus directly on the skills applicable to the biotechnology laboratory. You get critical, hands on training and extensive theory and background.
- **Employment Opportunities:** The skills and practices learned read like a list from what employers are looking for in new biotechnology industry hires.
- **Transfer Potential:** Biology 230 transfers to UC and CSU schools and 231 will give you valuable lab skills applicable to experimental design and problem solving useful in any science class.
- **Internship/Research Opportunities:** With the skills you have gleaned, entry level positions at area companies will be open to you.
- **Professional development:** Resume preparation, interview workshops and candid skills assessment help to structure your career goals in a hands on directed fashion.

If you are considering a career in the biological sciences that has any laboratory component (and almost all careers do), the skills learned in a biotechnology course are the most applicable and relevant to on the job skills that are accessible through a two year institution.

MAKE YOUR PORTFOLIO COMPETITIVE! TAKE A BIOTECHNOLOGY COURSE!

College of the Canyons and You!

Training in biotechnology can lead to many different career paths. For each career path, biotechnology at College of the Canyons can play a role:

- **Certificate course of study:** A 19 unit study series culminating in a project based biotechnology course.
- **Transfer Program:** BioSci 230 transfers to UC and CSU schools and meets requirement for entry into molecular biology courses. The additional lab skills gleaned in 231 puts you in good position to continue your studies.
- **Pre-professional training:** Biotechnology has enormous entry and exit potential. Through internships, resume and interview workshops and research programs, students of biotechnology can get valuable on the job experience. **What better way to see if you like a given professional than to try working in a real lab setting!**
- **Small class sizes.** Specific attention is given to your career goals. State of the art equipment, training and a wide spectrum of applications all at \$11 per unit!

COURSE LISTING:

Required courses:

Biology 107:
Molecular and Cell Biology4 units

Biology 230:
Introduction to Biotechnology5 units

Biology 231:
Advanced Topics in Biotechnology5 units

Chemistry 201:
General Chemistry 16 units

Math 140:
Introductory Statistics4 units

Highly Recommended:

English 090:
Writing Skills3 units

Chemistry 202:
General Chemistry 25 units

Biology 221
Introduction to Microbiology5 units

Biotechnology is very interdisciplinary. The more science, math and computer courses you take, the more competitive your portfolio will be.

This program is designed to be completed in 3 semesters. *A possible program of study would be as follows:*

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|---|---|
| ▶ SEMESTER 1:
Biology 107
Chemistry 201 | ▶ SEMESTER 2:
Biology 230
Math 140
English 090 |
| ▶ SEMESTER 3:
Biology 231
Chemistry 202 | |

CONTACT INFORMATION:

For more information on the biotechnology program and College of the Canyons admittance requirements call:

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