

Biotechnology- Youth Apprenticeship

ABOUT THE PROGRAM

The one or two year Youth Apprenticeship program includes a 10-15 hours per week paid apprenticeship in an industry or university lab setting and specialized instruction, in addition to traditional high school coursework. The content of the specialized laboratory-based course is designed to interface closely with the skills and knowledge necessary to participate effectively in the workforce, as reflected in the duties and tasks set forth in the skill checklist.

QUALIFICATIONS

- ◆ INTERESTED IN A CAREER IN STEM—BIOTECHNOLOGY
- ◆ ON-TRACK FOR GRADUATION
- ◆ HAVE GOOD SCHOOL ATTENDANCE
- ◆ ABLE TO SPEND PART OF YOUR SCHOOL DAY AT A WORKSITE
- ◆ TRANSPORTATION TO AND FROM CLASS AND WORKSITE

AFFILIATED CLASSES

WHEN: Wednesday Nights (9/5/18-5/8/19)

TIME: 4:30-8:30 p.m.

LOCATION:



BCTI - 5445 East Cheryl Parkway, Madison, 5371

These classes will emphasize the development of professional career and technical lab skills.

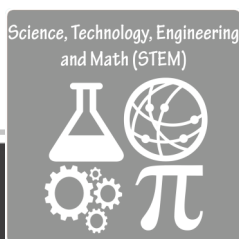
BIOTECHNOLOGY I AND II

- ◆ ORIENTATION, LAB BASICS - MAKING SOLUTIONS
- ◆ RESUME WRITING AND INTERVIEWING
- ◆ DNA ISOLATION AND SPECTROPHOTOMETRY
- ◆ RESTRICTION ENZYME DIGESTION AND RFLP ANALYSIS
- ◆ CURRENT BIOTECHNOLOGY TOPICS
- ◆ BCA PROTEIN QUANTITATION, GFP PURIFICATION
- ◆ IMMUNODETECTION: DOT BLOT, ELISA, WESTERN BLOT

BIOTECHNOLOGY III AND IV

- ◆ RNA ISOLATION PART I AND II
- ◆ RT-PCR
- ◆ PROTEIN INDUCTION, PURIFICATION, GEL & TRANSFER
- ◆ DRUG TOXICITY & CELL VIABILITY
- ◆ IMMUNOCYTOCHEMISTRY PART I & II
- ◆ CARDIOMYOCYTE DEMO, CONFOCAL MICROSCOPY
- ◆ CRIME SCENE LAB
- ◆ TISSUE CULTURE PART I & II

**Worksites in
Biotechnology Include:**



For more information or to sign up, contact your School-to-Career Coordinator or call the Dane County School Consortium at 608-316-1358.

www.dsc.org

