

SBU DUAL-ENROLLMENT COURSES

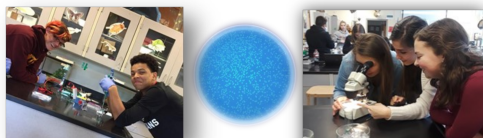
INTRODUCTION TO BIOTECHNOLOGY

Create New Beneficial Traits in Existing Organisms

Students synthesize knowledge learned during lecture into a multi-week project.

Students create new biological traits on their own via hands-on lab activities.

Students were excited to work like real scientists and use authentic scientific equipment.



SBU faculty: Dr. Xiao-Ning Zhang
Olean Instructor: Ms. Laura Kopec

Student Testimonial Samples:

"Throughout this course, I realized the importance of biotechnology. This course made me excited to pursue a career in the medical field. I enjoy learning about CRISPR."

"Biotech has allowed me to experience what it's like being a scientist in a laboratory; conducting experiments, collecting data, and drawing conclusions."

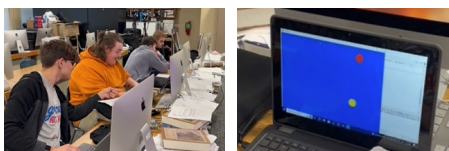
COMPUTER SCIENCE I

Apply Java Code to Game Designs: Dot Race

Students are challenged to write this program for 20 multicolored dots.

Engage students as it both challenging and fun to see the dots race each other across the screen.

A project-based learning experience that takes a couple of weeks.



Students learn how to write and document Java Programs. A significant portion of the course is the 14 labs that were written by the St Bonaventure professors. These labs are varied and cover many interesting topics and includes many games. It is both challenging and fun.

SBU faculty: Dr. Steve Andrianoff
Scio Instructor: Mr. Michael Pavlock

Student Testimonial Sample:

"I have thoroughly enjoyed the class throughout the whole year and have gained lots of knowledge about Java. I wanted to take this class to expand my horizons and learn some new information about computers as computers are a huge part of my life. But, after taking this class, I also developed an interest in coding, and I am now considering computer science as my major for college."

AMERICAN POLITICS

Apply Classroom Learning to Current Political Events

Students study state public opinion poll data and qualitative data to predict the winners of key swing states in the 2024 presidential election and the winner of the Electoral College with the considerations of multiple campaign factors to win enough key swing states to reach 270 Electoral College votes.

Goal: To Reach 270 Electoral College Votes

Evidence:
State Opinion Poll Data
Qualitative data

Considerations for each candidate:
How much Time & Resource do they have?
How much time & resources do they need to focus on State and voting blocks?
Campaign strategies, issues, etc.
Message to energize supporters

Prediction:
Winners of Key Swing States

SBU faculty: Dr. Josiah Lambert
Olean Instructor: Mr. Matthew Perry

Student Testimonial Samples:



"I felt like the class allowed for more insight on politics we normally do not receive."

"The exposure to real word events, politics, etc. (was most beneficial in POLS102)."