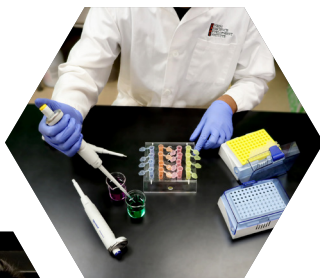


## WHY BIOSCIENCE TECHNOLOGY?

Bioscience technology is a growing and dynamic field that encompasses all branches of science focusing on the structure and behavior of organisms. By applying life processes to practical uses, such as manufacturing of protein-based drugs and research and development of new medical devices, products are made or modified for specific uses that benefit society.

Bioscience technology is developing into one of the most promising technologies to address some challenges the world faces, such as feeding a growing population and alternatives to scarce natural resources. It is an expanding field that generates over \$140 billion and employs nearly two million people in the US. (Northeastern University, 2018).



### ELIGIBILITY

As a Program of Emphasis, Oviedo High School Bioscience is open to:

- Students zoned for Oviedo High School
- Out of zone students on an approved Program of Emphasis transfer
  - » Limited to incoming 9th grade students

For specific eligibility and application information, please visit the Student Assignment and Program Access website:  
[www.seminoleschoolchoices.us](http://www.seminoleschoolchoices.us)

### TRANSPORTATION

- Transportation is provided to eligible in-zone students living more than two miles from the school.
- Transportation is not provided for out-of-zone Program of Emphasis students.
- Approved out-of-zone transfer students may apply for transportation through the Ticket to Ride program ([bit.ly/SCPSTicketToRide](http://bit.ly/SCPSTicketToRide)). Through this program it is possible that a student may be granted access to pre-existing bus routes (pending space availability). This program does not create bus stops or bus routes and is not guaranteed for the duration of the transfer.



### FOR APPLICATION INFORMATION

400 E. Lake Mary Blvd.  
Sanford, FL 32773  
407-320-0329

[www.seminoleschoolchoices.us](http://www.seminoleschoolchoices.us)



### FOR PROGRAM INFORMATION

601 King Street  
Oviedo, FL 32765  
407-320-4050  
[www.oviedo.scps.k12.fl.us](http://www.oviedo.scps.k12.fl.us)

## Oviedo High School

# BIOSCIENCE

AT OVIEDO HIGH SCHOOL

## Program of Emphasis



SEMINOLE COUNTY PUBLIC SCHOOLS





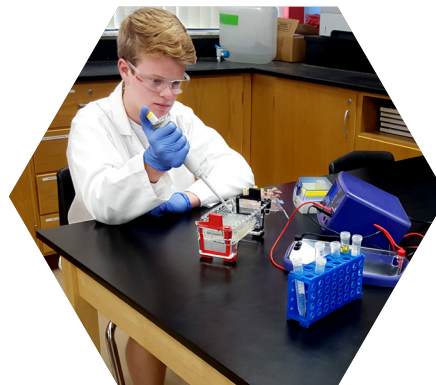
Oviedo's Bioscience program shows you a side of science that can change peoples' lives, revolutionize medicine, and captivate your imagination as a student.

Liz L.  
OHS Junior

## ABOUT THE PROGRAM

The Bioscience Technology program is designed to be a laboratory intensive experience where students study inheritance and genetics, analyze DNA fingerprints, perform bacterial transformation, utilize polymerase chain reactions and much more. Students participate in research and experimentation using state-of-the-art equipment to develop the skills needed to work in the Biotech Industry.

Students also have the ability to earn an industry certification that is recognized by over 3,000 companies and research institutions in the Biotechnology field.



## BIOSCIENCE IN FLORIDA

Florida is one of the fastest growing bioscience regions in the world. With a strong base of biotechnology, medical devices and pharmaceutical companies, world-class research universities and some of the leading non-profit research institutes in the world, Florida has built a resource base to be a top bioscience destination (BioFlorida.com, 2018).

## CAREER OPPORTUNITIES

Careers in bioscience are as varied as the products themselves. The Bioscience Technology program provides students the foundation necessary to be successful in the following industries:

- Agriculture
- Bioengineering & Biomanufacturing
- Forensic Science
- Marine Science
- Medicine & Health
- Patent & Business Law
- Research & Development