

Winter Park 9th Biomedical Program Application

The Project Lead the Way Biomedical Sciences (BMS) Program is a college-level sequence of courses all aligned with appropriate national learning standards, which follows a proven hands-on, real-world problem-solving approach to learning. Students explore the concepts of biotechnology and human medicine and are introduced to topics such as physiology, genetics, microbiology and public health. Through activities, like genetic engineering or dissecting a heart, students examine the processes, structures and interactions of the human body – often playing the role of biomedical professionals. They also explore the prevention, diagnosis and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology. In the third year of the program, students can become certified Biotechnician Assistants through University of Florida Biotility.

For more information, please visit the Project Lead the Way website at <https://www.pltw.org/our-programs/biomedical-science>

4 year Course Sequence

9th- Principles of Biomedical Science Honors & Biology Honors

10th- Human Body Systems Honors & Chemistry Honors

11th- Medical Interventions Honors & AP Biology or AP Chemistry (Recommended)

12th- Capstone Course: Biomedical Innovation Honors & AP Biology or AP Chemistry (Recommended)

Courses are taken in sequence and count as a science credit for graduation and a CTE credit for Bright Futures. Students interested in the program will need to also take Biology Honors in 9th grade to meet graduation requirements. Due to requirements of the IB Diploma programme, IB Diploma students are unable to participate in the programme. Students interested in both IB and Biomed should explore the IB Career-Related programme. For more information contact the CP Coordinator, Donald Blackmon at Donald.Blackmon@ocps.net.

Course Recommendations:

- Have an interest in the fields of biotechnology, molecular biology, and medicine
- Have taken a high school level science course and received an A or B
- Have two teacher recommendations- *one must be from their science teacher*
- Have maintained a middle school GPA of at least a 3.0
- Have received at least a 3 on their ELA FSA
- Have excellent attendance

PARENTS: Please have your student fill out the application and print in ink.

Student Name: _____ Parent/Guardian's Name(s): _____

Home Phone: _____ Work Phone: _____

Parent/Guardian's E-mail address: _____ Cell Phone: _____

School attended in 2018-2019: _____ Current GPA: _____

Current Science Course: _____ Current Grade: _____

Current Math Course: _____ Current Grade: _____

1. Explain why you are interested in this program and how the program might relate to your future goals.

Student Signature _____ Date _____

Parent Signature _____ Date _____

Students should submit this application with two digital teacher recommendations to their current School Counselor. Please direct your teachers to <https://tinyurl.com/WPHSBiomedRecc> to submit your recommendations.

Biomedical Program Recommendation #1- Science Teacher

Student Name: _____

Teacher Subject Area: _____

TEACHER: Please rate the student to the best of your knowledge. Your honest information will help to determine the future success of this student in the program. Thank you for your time.

Attribute	Poor	Fair	Good	Exceptional (Top 10%)	No Basis for Judgment
Completes homework on time					
Engages in class					
Takes responsibility for own learning					
Works well with others					
Has strong math/science skills					
Uses class time effectively					
Personal motivational level					

Any other comments about this student that would be relevant to their success in this course.

School Name: _____ Phone or E-mail: _____

Teacher Signature: _____ Date: _____

Biomedical Program Recommendation #2

Student Name: _____

Teacher Subject Area: _____

TEACHER: Please rate the student to the best of your knowledge. Your honest information will help to determine the future success of this student in the program. Thank you for your time.

Attribute	Poor	Fair	Good	Exceptional (Top 10%)	No Basis for Judgment
Completes homework on time					
Engages in class					
Takes responsibility for own learning					
Works well with others					
Has strong math/science skills					
Uses class time effectively					
Personal motivational level					

Any other comments about this student that would be relevant to their success in this course.

School Name: _____ Phone or E-mail: _____

Teacher Signature: _____ Date: _____