

## Biomedical Sciences

### Description

This program offers high school students a dynamic curriculum that uses real world experiences and hands-on learning. Students with interest in exploring the variety of occupations that medicine offers will find Project Lead The Way's (PLTW) Biomedical Sciences program a fantastic doorway to a future in the industry. This series of courses is designed to bring students closer to the possibilities of a career in the medical field. The courses of this program are integrated into a students' core curriculum and designed to expand upon the college preparatory math and science courses taken at their high school.

- Prepare for a rigorous post-secondary education in the biomedical sciences
- Explore the concepts of human medicine, research processes and bioinformatics
- Experience an environment where the possibilities of a medical career come to life
- High School credit may be earned for AP Biology, Pre-AP Calculus, AP Calculus AB & BC, AP Physics C, AP Chemistry, or Anatomy & Physiology

### College Credit

College credit may be available through TCC, RSU, or OSU-Institute of Technology. For more details call the college relations office at 918-828-5205. All college credit is awarded by the college/university.

### Credential/Industry Certifications

Biomedical Sciences is a college preparatory program

### Prerequisites

Students must have earned at least a "C" grade average in Biology I & Geometry. Additionally, students must have a "C" grade or be concurrently enrolled in Algebra II.

### Career Majors/Courses

#### PLTW Biomedical Science and Medicine

##### PLTW Courses:

Principles of Biomedical Sciences  
Biomedical Innovation  
Human Body Systems  
Medical Interventions

##### Math Courses:

Pre AP Calculus  
AP Calculus AB  
AP Calculus BC

##### Science Courses:

Pre-AP Chemistry  
AP Chemistry  
AP Biology  
AP Physics B

### Employment Opportunities

Tulsa Tech's Career Placement Services team builds partnerships with Tulsa area businesses & industry to create opportunities for work-based experiences and job placement. Job search assistance is provided before and after graduation. Services include with employment information, resume building, refining interview skills and life-time access to the Tulsa Tech Job Connect database. Call Career Placement Services at 918-828-5270 or visit [www.tulsatech.edu/jobconnect](http://www.tulsatech.edu/jobconnect) / email [jobconnect@tulsatech.edu](mailto:jobconnect@tulsatech.edu).

2009-2010 year completion & placement data:

- Total Enrolled: N/A
- Completed: N/A
- Completed on-time: N/A
- Job Placement: N/A
- Returning Students: N/A
- OPE ID: 005311 / CIP: TBD

### Campus Location

#### Health Sciences Center

3350 South Memorial Drive  
Tulsa, OK 74145-1390  
(918) 828-1200  
FAX (918) 828-1209

### Area Salary

For information concerning working conditions, physical requirements, employment and job outlook please refer to the Occupational Outlook Handbook (OOH), 2010-11 Edition at <http://www.bls.gov/oco/>.

Salary information can be found at The Occupational Information Network (O\*NET) Resource Center at <http://www.onetonline.org/>.  
O\*NET-SOC Code: 17-2031.00

### Who Can Attend?

High school juniors only

### Tuition/Fees/Books

- Tuition: \$2,640\*
- Lab & Required Fees: \$240\*
- Additional Required Costs: N/A
- Optional Fees: \$69 - \$157

*\*High school students living in the Tulsa Tech school district are not charged tuition, fees & books.*

*Additional required costs: books, equipment, tools, uniforms & supplies.*

### Scheduling Information

#### H.S. / 2 school years:

August - May

#### H.S. sessions:

7:45 - 10:45 A.M. / 11:50 - 2:50 P.M.

Check with Admissions Office at 918-828-5260 for start dates.

### Application Process

Apply ON-LINE at [www.tulsatech.edu/apply](http://www.tulsatech.edu/apply). Applications can also be obtained in the counseling offices on any of the campuses; at the Career Services Center located on the Memorial Complex; or by calling 918-828-5200.