

BU STEM

2019-2020 PROGRAM OVERVIEW



The Bloomsburg University STEM Magnet Program allows high-achieving juniors and seniors the opportunity to get a head start on a college career in the STEM disciplines. The program offers a choice in three areas of focus: Engineering, Health Sciences, and Technology. Students continue to take classes in high school every morning, but join a cohort of students from 11 school districts to take two STEM college courses per semester in the afternoon.

OUR TRANSITION STARTS **HERE**



STEM AT BLOOM U

SUGGESTED COURSE SEQUENCE

Courses offered through Bloomsburg University

HEALTH SCIENCE FOCUS

Freshman Year

Algebra I/Algebra II*/+/Geometry
Biology*
Civics*
English*
Physical Education

GRADE 11

Medical Ethics
Introduction to Statistics
General Psychology
Calculus I

GRADE 12

Chemistry for Sciences
Calculus II
Anatomy & Physiology
Principles of Sociology

COMMUNITY SERVICE

American Cancer Society
American Red Cross
Balanced Care-Bloomsburg

ADDITIONAL EVENTS

Geisinger Sports Medicine Day
Healthcare Career Day
Classroom in the Hospital

Sophomore Year

Algebra II*/+/Geometry*/Pre-Calc*
Biology/Chemistry*
World Cultures*+
English*
Physical Education
Drivers' Education
Personal Finance

ENGINEERING FOCUS

GRADE 11

Calculus I
Introduction to Engineering
Python Programming
Engineering Tech./CAD

GRADE 12

Calculus II
Engineering Tech./Circuits
Physics I
Calculus III

RECOMMENDED ACTIVITIES

Robotics
Technology Student Association
Student Council
National Honors Society

ADDITIONAL ELECTIVES

Computer Design & Engineering+
Robotic Design I
Robotic Design II

Junior Year

American Cultures*+
American Literature*+
Physical Education

*Additional Courses offered at
BU - see area of focus*

TECHNOLOGY FOCUS

GRADE 11

Calculus I
Introduction to Engineering
Python Programming
Engineering Tech./CAD

GRADE 12

Calculus II
Files Systems I
Python Programming II
Intro to Statistics

ACTIVITIES

Robotics, TSA
Student Technology Club
Student Council, NHS

Senior Year

Current Issues*/AP US History
British & World Literature*+
or AP Literature

*Additional Courses offered at
BU - see area of focus*

EDUCATION FOCUS

GRADE 11

Intro. to Exceptionalities
Intro. to Statistics
Principles of Teaching
Psychology or Sociology

GRADE 12

Psychology or Sociology
Multicultural Education
Educational Technology
Human Biology

RECOMMENDED ACTIVITIES

Educators Rising
Student Council
National Honors Society

COMMUNITY SERVICE

Big Panthers/Little Panthers
Children's Museum
Special Olympics
Camp Victory, YMCA

* Denotes Honors Course Available
+ Denotes College Course Available



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WWW.BLOOMSD.ORG