

# DUAL ENROLLMENT

BOYERTOWN AREA SCHOOL DISTRICT

Dual enrollment is academic programming that enables the Boyertown Area School District sophomores, juniors and seniors to take college courses that satisfy high school graduation and college credit requirements.



## RESEARCH ABOUT DUAL ENROLLMENT PROGRAMS

Dual enrollment programs were found to have positive effects on students in the following domains:

- **Degree Attainment (college)** | Dual-enrolled students are more likely to complete a college degree
- **College Access and Enrollment** | Dual-enrolled are students more likely to enroll in a postsecondary institution
- **Credit Accumulation** | Dual-enrolled are students more likely to return to college for their second year
- **Completing High School** | Dual-enrolled are students more likely to graduate from high school on time
- **Academic Achievement (High School)** | Dual-enrolled are students more likely to pass end of courses exams

*All of the above factors lead educators to conclude that dual-enrolled students are more likely to be successful college students.*



# DUAL ENROLLMENT FOR HIGH SCHOOL STUDENTS

## WHO IS ELIGIBLE TO TAKE DUAL ENROLLMENT COURSES?

At Harrisburg University, high school sophomores, juniors and seniors are eligible to apply for dual enrollment. We welcome dual-enrolled students from public, private, charter, home and cyber schools.

## WHERE ARE DUAL ENROLLMENT CLASSES HELD?

Harrisburg University offers several options for dual enrollment courses:

- Traditional classroom courses at Harrisburg University campus, located in downtown Harrisburg, Pa. during the academic year
- Online courses (limited number)
- Courses offered at select high schools during the academic year

## WHAT ARE THE ADVANTAGES OF DUAL ENROLLMENT?

**By earning dual enrollment credit, you won't just be preparing for college, you'll be getting a head start on your academic and career goals.**

Earning college credit in high school allows the opportunity to create a more flexible schedule as a college student. This will allow more time for other academic or extracurricular interests.

Dual enrollment allows families to save on future college costs by earning college credits at a discounted per-credit rate now.

Dual enrollment courses allow you to experience college life and gain valuable insight of your interests when choosing a major for college.

## WHAT IS COLLEGE IN THE HIGH SCHOOL?

The first step is Harrisburg University (HU) interviews and vets a teacher at Boyertown Area School District (BASD) as a Corporate (adjunct) Faculty with the University. The second step is conducting a curriculum review of the courses at BASD to see if the content aligns with any courses at HU. Some adjustments to course material is required, however once completed, the courses at BASD can count towards credit for courses at HU. Students at BASD can apply for dual enrollment status while in the course they are enrolled in at the High School.

**For example: A student in the AP Computer Science course at BASD completes a dual enrollment application with HU. At the end of the school year, if the student has received a C+ or better, they will receive college credit for CISC 120 Fundamentals of Computing for a total of 4 credits.**

## WHO IS ELIGIBLE TO TAKE DUAL ENROLLMENT COURSES AT BASD?

For the courses articulated with BASD, any student enrolled in the courses outlined in this brochure are eligible to apply for dual enrollment credit.

## HOW MUCH DOES DUAL ENROLLMENT COST?

For the courses offered at BASD, by BASD instructors, the cost is \$100 per credit. For courses taught online, at Harrisburg University, or in any way instructed by HU faculty, the cost is \$200 per credit.

## WHERE ARE DUAL ENROLLMENT CLASSES HELD?

- The courses outlined in this brochure will take place at BASD, unless otherwise outlined in the program requirement.
- Traditional classroom courses located in downtown Harrisburg, Pa. during the academic year
- Online courses (limited number)

## WHAT IS THE DEADLINE TO APPLY FOR THE DUAL ENROLLMENT CREDITS?

The deadline will be established by the HU Director of Secondary School Services and communicated to BASD administrators and counselors, as well as, all students and parents.

## WHERE DO I APPLY?

All applications must be completed online using the following link and clicking Apply Now.  
<https://dualenrollment.HarrisburgU.edu/>

You will receive notification once your application is received, and additional information regarding the courses you register for will follow soon thereafter. Any questions regarding registration can be directed to Caitlin Wilkinson, Dual Enrollment and Special Programs Coordinator, at [CWilkinson@HarrisburgU.edu](mailto:CWilkinson@HarrisburgU.edu)

*Parents may use funds from their established PA 529 College Savings Program accounts to pay for dual enrollment while their child is in high school.*



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## HARRISBURG UNIVERSITY | JUST THE FACTS

- 4-year, private comprehensive university
- **100%** of HU graduates complete internships and applied research – Get real-world experience
- **#1** private university in the nation for awarding scholarships!
- Small classes mean you get to know your professors well
- State-of-the-art, high-tech campus – great prep for the real-world work environment
- Affordable tuition – we keep costs down
- **94%** of graduates surveyed said they were employed in their chosen career field or in graduate school within 6 months of graduation – an HU degree leads to career success
- Diverse student body – **60%** minority; **44%** female

\* Figures accurate as of 2020



## WHY ENROLL AT HU?

When you have the right education and experience, great opportunities open up for you. With a bachelor's degree from HU you'll be ready to become a:

- Cyber security expert
- Pharmaceutical researcher
- Forensic examiner
- Game designer
- Biotechnologist
- Geospatial technologist
- Business analyst
- Chemist
- Or any of a thousand high-tech, high-potential positions available to our graduates.

### IS HARRISBURG UNIVERSITY COURSE CREDIT TRANSFERABLE TO OTHER COLLEGES?

**Yes**, Harrisburg University is an accredited university, so its courses transfer to other institutions. Depending on the college and the course of study, a Harrisburg University course may transfer as a general education course, a major requirement or a free elective. If a student earns a C or higher, the course should transfer.

### DOES BEING A DUAL-ENROLLED STUDENT AT HARRISBURG UNIVERSITY GUARANTEE ME ADMISSION TO THE UNIVERSITY?

**Yes**, if you have successfully passed and received credit for a dual enrollment course from the university and with verification of your high school graduation you are admitted to Harrisburg University.

## Choose from these Hot Science and Technology Majors

### HARRISBURG UNIVERSITY | HARRISBURG

#### B.S. ADVANCED MANUFACTURING

#### B.S. APPLIED MATHEMATICS

Data Analytics  
Natural Sciences

#### B.S. BIOTECHNOLOGY

Food Safety and Quality Assurance  
General Biotechnology  
Medical Biotechnology  
Nanobiotechnology  
Nanobiotechnology and Nanofabrication  
Pharmaceutical Design

#### B.S. COMPUTER AND INFORMATION SCIENCES

#### B.S. ENVIRONMENTAL SCIENCE AND SUSTAINABILITY

#### B.S. ESPORTS MANAGEMENT, PRODUCTION, AND PERFORMANCE

#### B.S. GEOSPATIAL TECHNOLOGY

#### B.S. INFORMATION SYSTEMS AND INFORMATION TECHNOLOGIES

#### B.S. INTEGRATIVE SCIENCES

Biology  
Biological Chemistry  
Chemistry  
Forensics

#### B.S. INTERACTIVE MEDIA

Advanced Media Production  
Purposeful Game Design  
User Experience Design

#### B.S. MANAGEMENT, ENTREPRENEURSHIP, AND BUSINESS ADMINISTRATION

Business Analytics  
Digital Health  
Digital Marketing  
Entrepreneurship  
Individualized

### INTERESTED IN A MEDICAL CAREER?

Harrisburg University offers programs in Integrative Sciences and Biotechnology to meet the exact requirements of your chosen health professional school.

### HARRISBURG UNIVERSITY | PHILADELPHIA

#### B.S. COMPUTER AND INFORMATION SCIENCES

#### B.S. ESPORTS MANAGEMENT, PRODUCTION, AND PERFORMANCE

#### B.S. INFORMATION SYSTEMS AND INFORMATION TECHNOLOGIES

#### B.S. INTERACTIVE MEDIA

Advanced Media Production  
Purposeful Game Design

#### B.S. MANAGEMENT, ENTREPRENEURSHIP, AND BUSINESS ADMINISTRATION

*Academic programs, admission and matriculation requirements, and student eligibilities are subject to change.*

# BASD/HU PROGRAM OF STUDY



**Boyertown Area  
School District**

To enable all students to succeed in a changing world!

## BIOLOGY

### BIOL 102-103 GENERAL BIOLOGY AND GENERAL BIOLOGY LAB

Course at Harrisburg University | 3 Semester Hours

Instructor at BASD: Jean Battinieri and James Knight

Prerequisites: None

BASD Course: Honors Biology

Corequisites: BIOL 103

This course introduces the student to the major themes of biology, including properties of living organisms, comparison of eucaryotes vs. procaryotes, patterns of inheritance, the central dogma, mitosis and meiosis, the diversity of life in both plants and animals, classification of organisms, evolution, metabolism, photosynthesis, cell structures, basic structure of the body, infectious disease, the Hardy-Weinberg principle, biodiversity, ecosystems, and the biosphere. A broad understanding of biology and living organisms in the biosphere is developed through hands-on, multimodal engaged learning opportunities in both the classroom and the companion laboratory component.

### BIOL 103 GENERAL BIOLOGY LABORATORY

Course at Harrisburg University | 1 Semester Hour

Instructor at BASD: Jean Battinieri and James Knight

Prerequisites: None Corequisites: BIOL 102

BASD Course: Honors Biology

Companion laboratory component that demonstrates the major themes of biology presented in BIOL 102.

### BIOL 214 ANATOMY AND PHYSIOLOGY I

Course at Harrisburg University | 4 Semester Hours

Instructor at BASD: Robert Podlinski and David Jones

Prerequisites: BIOL 102-103 or Score of 3 on AP Biology

BASD Course: Anatomy and Physiology

This course discusses the structural and functional makeup of the human body. Medical and anatomical terminology is mastered, and an emphasis is placed on covering the details of development, histology and functioning of the muscular, circulatory, cardiovascular and endocrine systems.

## BIOTECHNOLOGY

### BTEC 210 FOOD AND NUTRITION

Course at Harrisburg University | 3 Semester Hours

Instructor at BASD: Elizabeth Green

Prerequisites: BTEC 170

BASD Course: CE Nutrition

This course provides an overview of the diet and nutritional requirements of protein, energy, whole grains, major vitamins and minerals and other food groups that are determinants of health and diseases in human populations. The sources, recommended intake, role of major nutrients, and metabolism are explored, in addition to case studies that address the impact of nutrition on human growth and development of chronic or acute diseases (i.e. cancer, diabetes, heart disease, etc.).

## COMMUNICATIONS

### COMM 110 SPEECH

Course at Harrisburg University | 3 Semester Hours

Instructor at BASD: Jama Fukui

Prerequisites: None

BASD Course: COMM 110 Speech

This course builds on the skills acquired in ENGL 105 or ENGL 106. The student continues to study the process of effective communication, based on an understanding of purpose and audience using speaking techniques such as enunciation and modulation. The student builds an understanding of the basic skills needed to communicate across disciplines.

## MATHEMATICS

### MATH 120 COLLEGE ALGEBRA

Course at Harrisburg University | 3 Semester Hours

Instructor at BASD: Erica Shaw

Prerequisites: MATH 081, by Assessment, or C or Better

BASD Course: HU Course Adoption

This course is designed for the student with an elementary knowledge of algebra. Topics include properties of real numbers, problem-solving using equations and inequalities, algebraic functions, graphing, systems of equations and inequalities, polynomial functions and graphs, exponents and radicals, the binomial theorem, zeros of polynomials, inverse functions, and applications and graphs. Free on-line graphing and calculating utilities are used in lieu of a graphing calculator. This course meets a total of 4 hours per week to permit active learning activities each week driven by student interests or needs.

### MATH 220 CALCULUS

Course at Harrisburg University | 3 Semester Hours

Instructor at BASD: Garrett Crouse

Prerequisites: MATH 120 or MATH 280

BASD Course: Calculus

This course introduces techniques to evaluate limits and covers continuity, special trigonometric limits, absolute value limits and differentiation of algebraic, trigonometric, and logarithmic functions. The course explores intermediate value theorem, mean value theorem, and extreme value theorem. Other topics for exploration are application and formal definition of derivative average rate of change versus instantaneous rate of change, velocity, and the introduction of the definite integral and its applications. A graphing calculator is required for this course.

### MATH 280 – INTRODUCTORY STATISTICS

Course at Harrisburg University | 3 Semester Hours

Instructor at BASD: Dana Bowers

Prerequisites: MATH 120 or MATH 220

BASD Course: Advanced Placement Statistics

This course covers elementary topics from the probability and statistics of both discrete and continuous random variables. Topics include independence and dependence, mean, variance and expectation, and distributions of random variables. Statistics is applied to hypothesis testing. This course provides the student with a broad, general knowledge and understanding of statistics. The emphasis of this course is on the utility and practical application of statistics rather than on the mathematical derivation of statistical principles.

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## ENGLISH

### ENGL 105 COLLEGE COMPOSITION

Course at Harrisburg University | 3 Semester Hours  
Prerequisites: Placement by Assessment

Instructor at BASD: Penelope Valentine  
BASD Course: HU Course Adoption

This first-year composition course is an introduction to college-level writing strategies. By reading various writing styles and genres, the student will contemplate how purpose and audience guide the writing process. Writing assignments are to be completed according to a deadline with a goal of improving style, grammar, and diction.

## ENVIRONMENTAL SCIENCE

### ENVS 101 INTRODUCTION TO ENVIRONMENTAL SCIENCE

Course at Harrisburg University | 4 Semester Hours  
Prerequisites: None

Instructor at BASD: James Knight and Suzanne Hoffman  
BASD Course: Advanced Placement Environmental Science

Environmental science is the study of natural ecosystems, human impacts on the environment, and sustainable management of the Earth's resources. Processes of the physical and biological environment are used as a basis for consideration of current environmental topics. Other areas covered include energy consumption and global warming, water and air pollution, waste management, impacts of deforestation on biodiversity, and other environmental changes occurring on a global scale.

### ENVS 104 – OUR OCEAN WORLD

Course at Harrisburg University | 3 Semester Hours  
Prerequisites: None

Instructor at BASD: Kiersten Marquart  
BASD Course: HU Course Adoption

This course investigates the historical, geological, physical, chemical, and biological characteristics of the ocean environment. The basic language of marine science, and its underlying principles, are explored. The student pursues an understanding of the underwater history of the planet and the importance of the sciences, including the scientific method of research.

## PHYSICS

### PHYS 210 – GENERAL PHYSICS

Course at Harrisburg University | 4 Semester Hours  
Prerequisites: High School Physics and Algebra II

Instructor at BASD: Susan Cassidy  
BASD Course: Advanced Placement Physics

This course provides an introductory treatment of classical Newtonian physics and covers kinematics in one and two dimensions, vector forces, Newton's laws of motion, uniform circular motion, work, conservation of energy, momentum and angular momentum, rotational kinematics and dynamics, and simple harmonic motion. Emphasis is placed on the application of basic concepts through mathematical problem-solving. Applications of physics to problems in medicine are presented and medical technology is highlighted throughout the course. Applications of elementary and differential and integral calculus to physics are introduced. Laboratory experiments provide experience with various measurement technologies and reinforce the theoretical concepts developed.

**For more information contact:**

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**Records and Registration**

Dual Enrollment and Special Programs Coordinator  
<https://reghelp.HarrisburgU.edu> | 717.901.5136

**Apply at: <https://dualenrollment.HarrisburgU.edu/>**

The Harrisburg University of Science and Technology is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104. (267-284-5000) The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.



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