

RESIDENCE LIFE | Students will live in housing that is located very close to HU campus.



ELIGIBILITY

Students (3rd year BS or both year MS) from any Science (Biological Sciences, Chemistry/Biochemistry) or engineering background (Electronics, Electrical, Biomedical, Material, or Mechanical) are qualified to apply.

COURSE FORMAT

All students will learn about emerging technologies described above through lectures from faculty and industry experts. Each afternoon, students will work on projects in the course topic of their choice.

Students are expected to be present on HU campus from 9 a.m. to 4 p.m. (Monday-Thursday) for duration of the program. Students will attend lectures and work on their projects in teams. Site visits, labs, or hands-on projects will be included, all of which broaden the student learning experience.

Minimum enrollment for the course is 10 students. A course with less than 10 students will be canceled.

Outside of class, students experience the independence and responsibility of life on a U.S. campus.

They meet fellow students from around the world and attend events, workshops, and social activities designed to engage them with peers in fun and enlightening activities and to prepare them for college life and learning.

For the duration of their stay, students will live in housing, arranged by the University that is located very close to campus. Program staff and trained Residential Advisors (RAs), who live onsite, will help create a balanced academic and social life.

OUTSIDE OF THE CLASSROOM

We provide a great social opportunity in addition to the academics. There are weekend events organized for the students so they can explore the city in an exciting, but supervised atmosphere. Weekly and monthly activities, social programs and trips are planned by the staff to help students get to know the other residents practice their English.

SUMMER @HU

EMERGING BIOTECHNOLOGIES

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.

326 Market Street
Harrisburg, PA 17101 USA
00.1.717.901.5103

www.HarrisburgU.edu



www.facebook.com/HarrisburgU



www.twitter.com/HarrisburgU



SUMMER @HU 2020

EMERGING BIOTECHNOLOGIES

Harrisburg University of Science and Technology offers a program for international students during the summer 2020, Summer 2020 @HU-Emerging BioTechnologies. The program will provide students with theory and hands-on experience in Biotechnologies that are in demand in today's job market.

This educational program combines a hands-on project with supporting lectures, visits to start-ups, technology industry and health care businesses, and participation in cultural events.

Credits | Non-credit course (GRAD)

Cost | \$1600 for tuition and accommodation for four weeks.

Airfare and food are not included, but the rooms are equipped with kitchenettes.

Catered food option available at an additional \$ 750/- for the month.

Dates | May 11 - June 5 (students arrive May 10th, depart June 6th)

- All students in a group must arrive together at Philadelphia airport.
- Airport pickup and drop off is included – but only to this airport.

How to Apply | Complete a Non-Degree application at <https://HarrisburgU.edu/nondegreeapp/>

Deadline for Application | February 28, 2020

Certificate | Students who complete a topic will receive a certificate.

Credits | Credits may be awarded upon satisfactory completion of the course, only when the student is accepted and attends the Masters BTEC Program at Harrisburg University of Science and Technology.

Harrisburg University's education programs focuses on individualized career advancement in high-growth and high-demand areas of study within STEM (science, technology, engineering, and mathematics disciplines). This is accomplished by making certain that each student is completely engaged to gain knowledge at an advanced level, is able to specialize or generalize knowledge and skills according to needs and interests and applies what is learned and researched to both practical and professional experience.

The University's approach is based on an experiential model that allows the student to gain and apply knowledge and skills at an advanced level and to focus on an area of need or interest particular to the student. Faculty teaching the course combine corporate and academic perspectives in the design, development, and delivery of graduate programs and courses.

Biosensors, Biomedical Devices and Prototyping

Biomedical devices make up a \$1 trillion industry, with a 7% annual growth projection in the diagnostic, prosthetic, and implantable devices sector. With commercialization of Point-of-Care devices for routine tests such as blood glucose monitoring, lab-on-a-chip devices, bioprinting, telemedicine apps for mobile devices etc. There is an increasing adoption of biosensors into the environmental, process industry, security, and biodefense application markets.

Students will learn about these cutting-edge topics, select a topic and build and test a biomedical device/biosensor device. If applicable, they will be allowed to work on a 3D printed prototype of their own design. During the last week, students will present their work to an external panel of experts from the field.

