

COLLABORATIONS:

University Heights Science Park and The Council For Higher Education In Newark

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University Heights Science Park

University Heights Science Park (UHSP) is an incorporated enterprise consisting of Newark's four public higher education institutions – New Jersey Institute of Technology (NJIT), the University of Medicine and Dentistry of New Jersey (UMDNJ), Rutgers-Newark and Essex County College. Comprised of more than 50 acres adjacent to NJIT and UMDNJ, UHSP was established by the Council for Higher Education in Newark (CHEN) as a “hard-structure” in order to promote economic and workforce development in the University Heights District. Since its inception more than 15 years ago, there have been a number of significant accomplishments for UHSP, including the establishment of business incubators, research facilities, new housing, and other community improvements. Most importantly, UHSP has brought jobs and economic development to the area.

University Heights Science Park: Activities and Accomplishments

- Formally incorporated, in existence over 15 years.
- Developed the Master Plan for the area; acquired land; completed market-rate housing development.
- Initiated and provided significant support for the development of University Heights Science Park High School, a highly ranked magnet public high school for college-bound students. The school offers Advanced Placement and rigorous honors courses to students in the STEM disciplines – science, technology, engineering and mathematics – with the assistance of the CHEN colleges. Science Park High School was recently awarded the Blue Ribbon School Award of Excellence by the U.S. Department of Education, the highest award an American school can receive.
- Developed the International Center for Public Health (ICPH) in Newark, which included construction of a major facility and the relocation from New York City of a significant research team. The ICPH is the flagship facility for the UHSP urban-development initiative and houses three premier research organizations – UMDNJ's National Tuberculosis Center, UMDNJ's Department of Microbiology and Molecular Genetics and the Public Health Research Institute (PHRI). PHRI brought 125 jobs to the UHSP area. The ICPH has also been expanded to incorporate a Department of Human Services Level 3 Bio-Containment Center, unique to this region.
- Facilitated development of Enterprise Development III, an NJIT technology business incubator, part of NJIT's Enterprise Development Center (EDC). The EDC is New Jersey's largest high-technology business incubator, and one of the largest in the nation. Within its two buildings, the EDC houses over 90 companies that employ over 800 people. It has attracted more than \$67 million in third-party funding and has revenues of \$82 million.

- Planned, in conjunction with the New Jersey Economic Development Authority, the development of the Digital Century Center. However, the current economic downturn did not permit the project to move forward as envisioned.
- Currently, there is a contract of sale of a UHSP site to Biotrial, a French life sciences firm seeking to locate a facility in Newark. The terms of sale have been agreed upon and each party is completing due diligence. Biotrial's business of clinical trials fits within the mission of UHSP. It is anticipated that 50-plus jobs will be brought into the area.
- Work continues on the development of the historic Newark jail site that is within the UHSP. A grant has been awarded from the State to study the structure and make recommendations with respect to how best to develop the site and address the structure's historic and cultural value.

Council for Higher Education in Newark

Since 1971, the Council for Higher Education in Newark (CHEN) has consisted of the four public institutions of higher education in Newark: NJIT, UMDNJ, Rutgers-Newark and Essex County College. All are located within the area of Newark generally referred to as the University Heights District bounded by Springfield Avenue/Market Street, Littleton Avenue, Orange Street and Halsey Street. The four institutions comprising CHEN have formed the organization as an unincorporated association, a "soft structure," to encourage collaboration among its members and serve as a vital force in the revitalization of the University Heights community and the City of Newark.

The four CHEN institutions have a combined daytime population of almost 50,000, of which close to 35,000 are degree-seeking students. The four institutions together occupy over 171 acres of land, more than 12.1 million square feet of space, and control more than 12,000 parking spaces. In 2009, the real estate value of the CHEN institutions was \$2.8 billion.

In addition, the CHEN institutions collectively account for billions of dollars in economic activity annually, most of which occurs in the City of Newark. In 2009, they generated payrolls of more than \$780 million, of which close to 10% went to their 1,960 employees who are residents of Newark. CHEN also has a major impact on the revitalization of the University Heights neighborhood. More than 500 University Heights residents work at the CHEN institutions and earn about \$18 million a year. With almost 13,000 employees, the CHEN institutions are among the largest employers in Essex County and the State of New Jersey.

CHEN: Activities and Accomplishments

- Long-standing commitment to the Newark community is exemplified by a range of programs to enhance the Newark public schools. The CHEN institutions provide ongoing after-school and summer programs for thousands of Newark students, Pre-K through 12. Within UHSP, a pre-school program is operated by NJIT for the CHEN institutions and Central Ward community.

- CHEN institutions initiated the development and pursued approval of University Heights Science Park High School (SPHS), and provide ongoing support for SPHS, including staff development, staffing, courses, summer programs and scholarships.
- Current discussions with the Newark Housing Authority (NHA) about the role CHEN can play in the redevelopment of Baxter Terrace, formerly a housing project, into a new mixed-income community, Baxter Park. The initiative envisions redevelopment of the newly branded Newark Downtown University Cultural District under the auspices of CHEN and NHA with the support of Purpose Built, a non-profit corporation created by Warren Buffet to strengthen human and physical capital by helping to break the cycle of poverty.
- Shuttle bus service is provided to CHEN students for transportation among CHEN institutions.
- Cooperation and joint planning by security and police services of CHEN institutions to improve public safety in areas within and adjacent to university and college campuses.
- Planning, design and development of market-rate housing in Newark's Central Ward, the location of CHEN institutions.
- Over 1500 students seamlessly take courses on any CHEN campus of their choice, offering considerable cost-savings to the students
- Joint degree programs for students attending more than one CHEN institution.
- Joint and federated academic departments have been established, offering economies of scale through joint faculty appointments and shared department chairs.

The following lists are representative of NJIT's joint programmatic efforts with other CHEN institutions.

UNDERGRADUATE DEGREE PROGRAMS

Discipline/Area – Jointly with Rutgers-Newark

Applied Mathematics	BA
Applied Physics	BS
Biology	BA/BS
Computer Science	BA
Environmental Science	BS
Geoscience Engineering	BS
History	BA
Human Computer Interaction	BS
Information Systems	BA
Science, Technology and Society	BA

GRADUATE DEGREE PROGRAMS

Discipline/Area

Applied Physics (jointly w/Rutgers-Newark)	MS/PhD
Biology (jointly w/Rutgers-Newark)	MS/PhD
Biomedical Engineering (jointly w/UMDNJ)	PhD
Computational Biology (jointly w/Rutgers-Newark)	MS
Environmental Science (jointly w/Rutgers-Newark)	MS/PhD
History (jointly w/Rutgers-Newark)	MA/MAT
Infrastructure Planning (jointly w/Rutgers Newark)	MIP
Mathematical Sciences (jointly w/Rutgers-Newark)	PhD
Public Health (jointly w/UMDNJ & Rutgers-Newark)	MPH
Urban Systems (jointly w/UMDNJ & Rutgers-Newark)	PhD

OTHER PROGRAMS

- Federated Biology Department (NJIT/Rutgers-Newark)
- Federated History Department (NJIT/Rutgers-Newark)
- Joint Theatre Arts Program (NJIT/Rutgers-Newark)
- Collaborative Teacher Preparation Program (NJIT/Rutgers-Newark)
- Law School Early Admissions Agreement (NJIT Albert Dorman Honors College & Seton Hall Law School-Newark)
- BA-BS/MD Accelerated Program (NJIT Albert Dorman Honors College/UMDNJ)
- BA-BS/DMD Accelerated Program (NJIT Albert Dorman Honors College/UMDNJ)
- BA-BS/DPT Accelerated Program (NJIT/UMDNJ)
- BA-BS/MS Articulated Physician Assistant (NJIT/UMDNJ)