A Vision for the Science, Technology and Advanced Research (STAR) Campus
Transforming the former Chrysler Site into the UD Health Sciences Complex And Home of the DHSA
Decommissioning

• More than one million square feet taken down

• 12 million pounds of recycling material hauled offsite

• 85% Recycling Rate

• 139.3 Million Pounds of Ferrous Scrap Steel Recycled

• 40,000 Light Bulbs recycled

• 3.8 Million Pounds of Copper, Stainless Steel & Aluminum Recycled

• 50,000 tons of concrete recycled

• 379 Tons Asbestos Containing Materials Abated
SCALE OF STAR CAMPUS

4,800'
3,400'
272 Acres
MASTER PLAN

www.udel.edu/chs/star
CONTEXT

Rittenhouse Square, PA

Arlington, VA
Walkable, mixed-use, healthy campus
Healthy communities by design

Development of Health Sciences Sector
CHS Phase I – Administration Bldg
CHS Phases II and III
TJU Education Building (Classrooms / Residential)
Medical Office Building
Fitness & Wellness Center
Residential
Conference Center
Train Station / Shuttle Service
Parking
Restaurants
Retail
REGIONAL TRANSPORTATION
Regional Transportation

- $10M TIGER IV grant awarded to Newark Regional Transportation Center Station Improvement Project, to be located on STAR Campus.

- Project selected for funding based on potential to improve mobility, boost economic growth, and reduce environmental impacts.

- Improved rail service to STAR Campus will facilitate collaborations with researchers at U.S. Army Research Laboratory in Aberdeen, Md., and ease commute for students in related programs at TJU in Philadelphia.

Delaware Transportation Secretary Shailen Bhatt: "It is our hope that this center, along with the STAR Campus, will spur greater economic benefit for Newark, New Castle County, the state of Delaware and the Northeast region in general."
ADMINISTRATION BUILDING
our vision
A healthy community by design
HEALTH SCIENCES COMPLEX

• Clinics
• Inter-professional education programs
• Interdisciplinary Research
• Translational initiatives
• Core laboratories
• Biomedical and biotechnology companies
• Restaurants
• Hotel
• Residential
• Walking and biking trails
• Fitness facilities

www.udel.edu/chs/star
Interprofessional Training on the Health Sciences Complex

Patient Centered Medical Home
A campus for the future
STAR Campus to enhance research, innovation possibilities

Ballinger

Tevebaugh Associates Architecture
Potential Tenants:
Radiology
Behavioral Health
Medical Aid Unit
Eye Care Center
Pharmacy
Sleep Lab

www.udel.edu/chs/star
have received NIH funding to investigate the role of salt in impairing vascular function. With them are Jennifer DuPont, in the lab coat, and “patient” Jody Greaney.
• Five-year $19.5-million-grant from DOD’s Office of Congressionally Directed Medical Research Programs

• Establish evidence-based orthopedic rehabilitation care that results in optimal functional outcomes for each wounded warrior.
Go, baby, go!

Babies Driving Robots

- Use of specially designed robotic power chairs to increase the mobility of infants and toddlers with disabilities
- Partnership between three colleges: Health Sciences, Engineering and Education & Human Development
Yes U Can

- Mission is to increase inclusion, awareness and access to health, recreation and physical fitness opportunities for people with limited mobility and disabilities.
- Staff-assisted group and individual exercise and weight-training programs geared towards that population.
- Extension program serves approximately 20 adults and 40 student volunteers.
- Participants do strength training, stretching, and/or cardio work.
- 16 adults registered to participate in the evening swim program and 20 for the land based workouts.
- Anticipate the numbers reaching 40+ adults and 60+ students being involved in the program this year.
TRANSFORMING THE HEALTHCARE WORKFORCE

Nurse Managed Health Center

Physical Therapy Clinic

www.udel.edu/chs/star
Interprofessional Training
A New Integrated Approach Model

- Physical Exams
- Immunizations
- Health Screenings
- Sports Medicine
- Chronic Disease Management
- Dietary Assessment and Consultation
- Fitness assessment and exercise consultation
- Wellness/Health Education
- Behavioral Health
- Episodic Healthcare
Nurse Managed Health Center
at the UNIVERSITY of DELAWARE

- Staffed by experienced, board-certified nurse practitioners
- Provides primary care, physical exams and health screenings for employees
- Follow-up care for workers who have been injured on the job
PT Clinical Services

- Delaware’s premier outpatient clinic

- Offers care in five key areas:
  - sports medicine
  - orthopedics
  - neurologic
  - older adults
  - pediatrics

- Provides excellent clinical training opportunities for the students

- Clinics to be expanded and enhanced with move to STAR campus
Theatre students serve as standardized patients for nursing and PT students

Enables students to learn how to manage the unexpected without compromising standard of care required with actual patients
New Models for Business Partnerships

- Clinical care – on-site nursing, therapy, rehab
- Education, training, internships, cooperative learning
- Health and wellness: fitness, diet and nutrition, coaching
- Devices and materials: prosthetics-orthotics, medical technology, biomaterials, biomarkers

A healthy working/learning community that brings together education, business, and the community.
Timeline

• Building 1 – January 2014
• Fitness and Wellness Center – Business Plan Sept 2012, 2015 – 2016
• Building 2 - 2017 – 2018? - Pending Funding
for a healthier community