Presented by Kim Schatzel, President
March 2017
TOWSON UNIVERSITY IS...

GREATER BALTIMORE'S LARGEST UNIVERSITY.

PRODUCING MARYLAND'S KNOWLEDGE-BASED WORKFORCE.

ADAPTIVELY REUSING AND REINVESTING IN CURRENT FACILITIES.

TOWSON UNIVERSITY

22,285

Univ. of MD

Baltimore

6,276

The Johns Hopkins University

21,372

Loyola University of Maryland

5,967

Morgan State University

7,698

Stevenson University

4,322

Notre Dame of Maryland University

2,365

Coppin State University

3,133

Goucher College

2,120

Maryland Institute College of Art

2,262

The University of Baltimore

6,422

In the past 23 YEARS, TU added 9,000+ graduate and undergraduate students but only ONE NEW STATE-FUNDED ACADEMIC BUILDING.

Thank you for the opportunity to discuss Towson University's capital improvement needs. I am pleased to share the reasons why our capital projects benefit Maryland.

Maryland needs STEM professionals and STEM teachers. Over the past five years, TU has increased undergraduate STEM enrollment by nearly 1,000 students. TU is recognized as one of the top institutions in the nation graduating physics teachers, and our Center for STEM Excellence supports science education in Maryland's K-12 schools. Our new science facility will support all stages of Maryland's STEM pipeline. We appreciate the state's support for this project and ask that you maintain the current funding schedule to ensure the project is complete for the fall 2020 term.

Maryland needs health professionals. The state's shortage of nurses, occupational therapists and other health care professionals cause the state to miss out on hundreds of millions in tax dollars. TU has the largest health professions enrollment in the USM. A dedicated College of Health Professions building will enable TU to produce more qualified health professionals to meet state workforce demand.

Maryland needs talent. Towson University produces Maryland's knowledge-based workforce, but we need the space to do it. The visual and communications technology renovation will adaptively reuse Smith Hall to reduce the campus space deficit and add much-needed classroom space in the core of campus—at 30 percent to 40 percent less than the cost of a new building.

Towson University is efficient, growing and productive. Since 1994, we've added more than 9,000 undergraduate and graduate students but just one new state-funded building. TU is the fastest-growing university in Maryland and we have the second-highest graduation rate in the USM. We are a smart investment for the state.

Thank you for your support of Maryland's future workforce.

Kim Schatzel, President

FY 18 Capital Budget Priority:

Maintain the current funding schedule to keep the New Science Facility on schedule for a fall 2020 opening.

In Current Facilities:

Adaptively Reusing and Reinvesting

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For 18 Capital Projects, 2020 schedule for a fall 2020 opening of the new science facility.

TU GRADUATES:

5,432 DEGREES conferred in 2015-2016

40% of Maryland's communications technology professionals

31% of Maryland's teachers

21% of Maryland's health care professionals

11% of Maryland's business graduates

The new science facility costs 30-40% less than creating a new building.

The visual and communications technology renovation costs 30-40% less than creating a new building.

Up 31% since 2005-06
Undergraduate enrollment in the Fisher College of Science and Mathematics has grown by 132 percent over the past 20 years. A new facility will support science instruction for these growing STEM programs and for all TU students who will take a class in the building to fulfill core course requirements.

The project cash flow is almost identical to the allocated construction funding for upcoming fiscal years, providing little flexibility for any unforeseen circumstances. We ask the state to maintain the project funding allocation and construction preauthorization to keep the project on schedule. Any further reduction or reallocation of current or future funding will delay the project's completion.

**SUPPORTING GROWTH**

The current science building was constructed in 1964 when the university enrolled 3,537 students. Now TU enrolls more than 4,000 students in STEM programs alone. A shortage of classroom and lab space in the current building has created bottlenecks for students, affecting the time it takes to earn a degree. Without the new science facility, the university's space deficit of more than 200,000 net assignable square feet will nearly double.

**MITIGATING RISK**

The current building lacks infrastructure to support the exhaust hoods and ventilation systems necessary for modern lab instruction. Only a portion of the structure has a fire suppression sprinkler system, which is cause for significant concern. A new facility is necessary to address life safety issues.

**PERCENTAGE INCREASE**

YEAR UNDERGRADUATE ENROLLMENT GROWTH (1996–2016)

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996</td>
<td>Base</td>
</tr>
<tr>
<td>2016</td>
<td>22%</td>
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</tbody>
</table>

**NOTABLE EMPLOYERS OF TOWSON UNIVERSITY SCIENCE AND MATHEMATICS GRADUATES**

- U.S. Department of Defense
- Lockheed Martin Corporation
- Northrop Grumman Corporation
- Booz Allen Hamilton, Inc.
- T. Rowe Price Group
- National Security Agency
- General Dynamics
- Maryland Public Schools
- Johns Hopkins Hospital & University

**BUILDING A KNOWLEDGE-BASED WORKFORCE**

Success in STEM makes Maryland more competitive. The new science facility will help drive that success by educating Maryland's future dentists, doctors, environmental scientists and researchers in an environment that supports 21st century science instruction and equipment. And the impact won't stop there. The facility will support science education for all ages, from planetarium demonstrations for elementary school students to STEM entrepreneurship via the TU Incubator and Student Launch Pad.
Towson University has the largest health professions enrollment and second-highest graduation rate in the USM. Maryland has a shortage of health care professionals that results in millions of unrealized tax dollars. A College of Health Professions building will enable TU to produce a greater number of qualified health professionals to meet state workforce demand.

FILLING THE WORKFORCE GAP

Maryland has nearly 23,000 unfilled health professions positions, including shortages of more than 7,000 registered nurses and nurse practitioners, more than 1,300 occupational therapists, and more than 900 speech-language pathologists.

TU produces 21 percent of Maryland’s health care professionals.

We offer the state’s first Associate-to-Bachelor’s nursing program and the state’s only occupational therapy degree. We are uniquely positioned to respond to Maryland’s health professional workforce needs.

1 Maryland Workforce Exchange, January 2017
2 Based on 2014-15 bachelor’s degrees awarded in health professions and related programs

ENABLING EXPANSION

Undergraduate enrollment in the College of Health Professions has increased by 86 percent in the past decade, and demand is strong. But a lack of space forces the university to restrict enrollment in high-demand programs, including nursing, occupational therapy and audiology. The college can enroll only 15 percent of applicants for screened programs. A new facility is necessary to expand enrollment.

HEALTH PROFESSIONS BACHELOR’S DEGREES AWARDED BY USM CAMPUSES (2014-2015)

<table>
<thead>
<tr>
<th>Campus Steering</th>
<th>2013-14</th>
<th>2014-15</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bowie State University</td>
<td>87</td>
<td>106</td>
<td>19</td>
</tr>
<tr>
<td>Coppin State University</td>
<td>106</td>
<td>102</td>
<td>-4</td>
</tr>
<tr>
<td>Frostburg State University</td>
<td>102</td>
<td>154</td>
<td>52</td>
</tr>
<tr>
<td>Salisbury University</td>
<td>154</td>
<td>563</td>
<td>409</td>
</tr>
<tr>
<td>Towson University</td>
<td>563</td>
<td>68</td>
<td>-595</td>
</tr>
<tr>
<td>University of Baltimore</td>
<td>68</td>
<td>333</td>
<td>265</td>
</tr>
<tr>
<td>Univ. of MD Baltimore County</td>
<td>113</td>
<td>119</td>
<td>6</td>
</tr>
<tr>
<td>Univ. of MD College Park</td>
<td>119</td>
<td>174</td>
<td>55</td>
</tr>
<tr>
<td>Univ. of MD Eastern Shore</td>
<td>34</td>
<td>98</td>
<td>64</td>
</tr>
</tbody>
</table>

TOTAL DEGREES AWARDED

$1,6 BILLION IN MISSED WAGES

The College of Health Professions has half the lab space needed for its academic programs. Unfilled health professions positions in Maryland result in $1.6 billion in missed wages and cause a state loss of $176 million tax dollars.

FOLLOWING INDUSTRY PROTOCOL

Classes and clinics within the College of Health Professions are currently spread across pockets of six buildings that are up to two miles apart. The new building will consolidate the college’s programs under one roof to simulate clinical integration and give students the experience of working as a health care team.

COLLEGE OF HEALTH PROFESSIONS BUILDING FOLLOWING INDUSTRY PROTOCOL

The college's five programs are currently scattered across six buildings. A new building will consolidate the college’s programs under one roof to simulate clinical integration and give students the experience of working as a health care team.

INDUSTRY PROTOCOL

The college’s five programs are currently scattered across six buildings. A new building will consolidate the college’s programs under one roof to simulate clinical integration and give students the experience of working as a health care team.

PRINCIPAL IMPROVEMENTS

- **Construction Cost:** $156,250,000
- **GSF:** 228,993
- **Complete:** Fall 2023

Note: Capital improvements are subject to change based on final design and submission of state bond applications. Final design and submission of state bond applications are expected to occur in summer 2018.
With 64 classrooms, Smith Hall is Towson University's equivalent of the Chesapeake Bay Bridge: a centrally located, load-bearing building that moves students toward their degrees. But our Bay Bridge is deteriorating. Smith Hall needs critical infrastructure and life safety improvements to stay open. Adaptively reusing the building is an efficient solution to avoid a more costly new construction project and preserve classroom space in the core of campus.

**Adaptive Reuse**

Reinvesting in Smith Hall costs 30 percent to 40 percent less than a new building. The project will provide the space needed for visual and communications technology and 100,000 square feet of general classroom space to address the university's more than 260,000 NASF space deficit.

**Reducing the Space Deficit**

Smith Hall was built more than 50 years ago and has reached the end of its useful life. The building's aging infrastructure presents life safety and accessibility issues for students and faculty. Without a renovation, Smith Hall's antiquated labs—which comprise 70,000 square feet or 60 percent of the building—cannot be repurposed for classroom space. The timing of this project is necessary to prevent Smith Hall from sitting empty after the new science facility opens.

**Driving Innovation**

TU visual and communications technology majors are Maryland's future innovators. Yet the program's current facilities include a 25-year-old "temporary" trailer and a Media Center that hasn't been updated since the home computer was introduced. The new building will support creativity and innovation by giving students access to recording labs and a television studio where they can bring their ideas to life.

**Towson University Capital Improvement Program Request**

**Visual and Communications Technology Renovation**

- **FY 2020**
  - Planning: $9,934,000
- **FY 2021**
  - Construction: $48,152,000
- **FY 2022**
  - Construction & Equipment: $47,120,000

**Total Cost:** $105,206,000

GSF: VisComm: 120,000
General Classroom: 100,000
Total: 220,000

**Complete:** Fall 2023

**NOTABLE EMPLOYERS OF TU VISUAL AND COMMUNICATIONS TECHNOLOGY GRADUATES**

- WMAR-TV, WBAL-TV, WJZ-TV and WBFF Fox 45
- Discovery Communications
- T. Rowe Price Group
- The Baltimore Sun
- Verizon Communications
- Bank of America
- Comcast Corporation
- CareFirst BlueCross BlueShield
- Baltimore Business Journal

**Without a renovation, the building will be 60% unusable due to antiquated lab spaces.**

**Renovation will cost 30-40% less than creating a new building.**

**Closing Smith Hall would result in a 50% increase in the campus space deficit.**

**Visual and Communications Technology Enrollment is at its highest since 2013, with more than 14,000 credit hours taught per term.**

**70,000 gross square feet will be unusable without renovation.**

**Highest IS IT's enrollment since 2013.**

**ADAPTABLE REUSE**

Closing Smith Hall would result in a 50% increase in the campus space deficit. Without a renovation, the building will be 60% unusable due to antiquated lab spaces. Renovation will cost 30-40% less than creating a new building. Closing Smith Hall would result in a 50% increase in the campus space deficit.
In order to respond to Maryland’s workforce needs, Towson University needs contemporary facilities that support our academic programs. We appreciate the State’s support in providing University needs capital improvement facilities that support our academic programs. We appreciate the State’s support in providing affordable, high-quality education for Maryland’s students.
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Kathleen Maloney, Executive Director of Government and Community Relations
Office: 410-704-4034 | Cell: 410-409-0978 | kmaloney@towson.edu

TOWSON UNIVERSITY