Agendum
Oakland University
Board of Trustees Formal Session
October 8, 2018

FISCAL YEAR 2020 FIVE-YEAR CAPITAL OUTLAY PLAN AND FISCAL YEAR 2020 CAPITAL OUTLAY PROJECT REQUEST
A Recommendation

1. **Division and Department:** Academic Affairs, Operations and Finance, and Facilities Management Department.

2. **Introduction:** Annually, Oakland University (University) is required to submit its Five-Year Capital Outlay Plan (Plan, Attachment A) and top priority Capital Outlay Project Request (Project Request, Attachment B) to the State of Michigan, State Budget Office. The submissions must include a five-year capital plan, long-term projections for enrollment, staffing and program development, and other information designed to help the State understand the University's capital needs.

Colleges and universities submit only their top priority Capital Outlay Request. The University is submitting the South Foundation Hall Classroom Building Renovation & Expansion for STEM Core Courses at South Foundation Hall (SFH) as its Project Request (see Attachment B). The Plan and Project Request are required to be submitted to the State Budget Office by October 31, 2018.

3. **Previous Board Action:** On October 13, 2016, the Board of Trustees (Board) approved the Fiscal Year 2018 Five-Year Capital Outlay Plan and Fiscal Year 2018 Capital Outlay Project Request, SFH Expansion.

On October 16, 2017, the Board approved the Fiscal Year 2019 Five-Year Capital Outlay Plan and Fiscal Year 2019 Capital Outlay Project Request, Student Success Center Renovation & Expansion at SFH.

4. **Budget Implications:** If this project receives State funding approval, plans are in place to immediately issue bonds to provide the required match. Oakland University has existing budget available to service the debt for its portion of the project.

5. **Educational Implications:** Maintaining the University's capital assets and planning for future capital needs has a significant impact on the environment in which the University's mission is fulfilled. Oakland University's 2020 Capital Outlay Project proposal is the transformation of SFH from an outdated classroom building with known accessibility and deferred maintenance issues to a modern classroom complex that helps to address element of our classroom space shortfall and adds collaboration areas and offices to support student success. Such classroom environments enhance student learning and success by allowing instructors to engage in problem-based learning that develops the critical thinking and problem-solving skills that employers seek and are needed due to our growing healthcare, business, and Science, Technology, Engineering

and Mathematics (STEM) enrollments. The foundation courses taught in this building to first- and second-year students includes writing, languages and mathematics. Renovating SFH supports Goal 1: Student Success of the Oakland University Strategic Plan, complies with the Oakland University Master Plan, and reduces a portion of our deferred maintenance obligations, as well as addressing issues with efficiency within the building, creating much needed student space, modern classrooms and faculty offices.

6. Personnel Implications: None

7. University Reviews/Approvals: The Plan was prepared by Facilities Management and reviewed by the Vice President for Finance and Administration, COO, and President. The Project Request followed the same process, but was also reviewed and endorsed by the University Senate's Campus Development and Environment Committee, Dean of the College of Arts and Sciences, and Senior Vice President for Academic Affairs and Provost.

8. Recommendation:

RESOLVED, that the Board of Trustees approves the submission of the attached Fiscal Year 2020 Five-Year Capital Outlay Plan and Fiscal Year 2020 Capital Outlay Project Request to the State of Michigan, State Budget Office, as representative of Oakland University's capital budget needs.

9. Attachments:

A. Fiscal Year 2020 Five-Year Capital Outlay Plan
B. Fiscal Year 2020 Capital Outlay Project Request

Submitted to the President
on October 5, 2018 by

Scott Kunselman
Chief Operating Officer, Operations and Finance

James P. Lentini
Senior Vice President for Academic Affairs and Provost

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Recommended on 10/5, 2018
to the Board of Trustees for Approval by

Ora Hirsch Pescovitz, M.D.
President

OAKLAND UNIVERSITY

ASPIRATION & INNOVATION

Fiscal Year 2020 Five-Year Capital Outlay Plan

“Here again in the words of Andrew Carnegie, there will be erected ‘ladders upon which the aspiring can rise.’”

Oakland University founder
Matilda Dodge Wilson

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Mission Statement

Oakland University cultivates the full potential of a diverse and inclusive community. As a public doctoral institution, we impact Michigan and the world through education, research, scholarship, and creative activity.

Vision Statement

Oakland University will unlock the potential of individuals and leave a lasting impact on the world through the transformative power of education and research.

Strategic Goals

1. Foster student success through a robust teaching and learning environment and comprehensive student services.
2. Be recognized as a strong research and scholarly environment focused on creative endeavors and on the discovery, dissemination, and utilization of knowledge.
3. Become a leader in serving the needs and aspirations of our communities and region through expanded community relationships, institutional reputation and visibility, and engagement.
4. Advance diversity, equity, and inclusion in an environment of mutual trust and respect at all levels of the institution and facilitate opportunities and success for all community members.

Instructional Programming

Oakland University is a doctoral/research University located in Rochester, Michigan, within Oakland County. Through unique and distinctive academic experiences, Oakland is preparing students to make meaningful and substantial contributions to the workplace, academia and the community.

An Engaged University

Oakland University is the only comprehensive, doctoral-level university located in Oakland County, Michigan. Recognized as one of the country's 112 doctoral research universities by the Carnegie Foundation for the Advancement of Teaching, the University offers students opportunities to work directly on research with expert faculty.

Through a multitude of partnerships with hospitals, Fortune 500 companies, individuals, cities, government agencies and educational institutions, Oakland helps communities solve problems and build thriving, sustainable businesses. These associations reward students with internship and co-op opportunities and provide University researchers access to the latest technology tools. Oakland's leadership with these partnerships also significantly impacts economic development and commercialization opportunities.

Oakland, in partnership with Beaumont Health System, opened the first M.D.-granting medical school in Oakland County with an inaugural class of 50 students in August 2011. The fall 2017 cohort enrollment had increased to 122, and the school recognized 103 new doctors at the May 2018 commencement. The first new medical school started in Michigan in a generation, the Oakland University William Beaumont School of Medicine (OUWB) is expected to help boost the local and regional economies by generating new jobs and attracting

medical, business and academic leaders from around the nation. OUWB was designed to transform medical education by emphasizing holistic physician development – a patient-centered approach to the delivery of health care that is grounded in evidence-based medical science.

In related academic disciplines, Oakland offers strong undergraduate programs founded in the liberal arts and basic sciences. The University is widely recognized for excellence in biomedical sciences and other health-related programs. Oakland is home to the School of Nursing and School of Health Sciences, the world renowned Eye Research Institute, and highly-regarded programs in bioengineering, informatics and nanotechnology; health and environmental chemistry; medical physics and biological communication.

Oakland's other professional schools (Business Administration, Education and Human Services, Engineering and Computer Science), as well as the College of Arts and Sciences, have been recognized nationally for a wide array of accomplishments.

A Leading University

Oakland University is recognized as a student-centered, doctoral research institution with a global perspective. It engages students in distinctive educational experiences that connect to the unique and diverse opportunities within our region and beyond.

Through faculty-driven and student-engaged research, scholarship and creative activity, Oakland University advances knowledge and art in a diverse and inclusive environment. Oakland is also an active community partner, providing thriving civic, cultural, and recreational opportunities and valuable public service.

In addition to equipping graduates with a broad base of knowledge and top-notch intellectual and experiential

opportunities, Oakland is equally dedicated to the development of students in all aspects of their lives. Through a carefully thought-out collection of campus life experiences, the University gives students opportunities to conduct research and participate in internship and co-op experiences.

A Growing University

Oakland continues to thrive as a public institution with:

- A 9 percent increase in overall enrollment over the past decade
- Increased underrepresented minority student enrollment since 2014
- 863 international students enrolled in fall 2017
- Six residence halls that house approximately 17 percent of the student population

Oakland has continued to keep pace with growth by providing new and advanced academic, research and support facilities. Recent capital projects have included:

- construction of the Human Health Building
- construction of the Engineering Center
- renovation of Hannah Hall laboratories
- renovation of O'Dowd Hall to provide additional classrooms and space for the Oakland University William Beaumont School of Medicine
- creation of the First Year Advising Center
- construction of the 504-bed Oak View residence hall, which includes a new home for the Honors College
- upgrades to the Recreation and Athletics Outdoor Complex, creating a track and field complex, tennis courts, and synthetic turf soccer fields
- construction of a second parking structure with 1,245 spaces
- construction of an Athletic Dome through a public-private partnership to provide an indoor athletic

Oakland University Engineering Center

practice facility
- completion of the 151-foot-tall, 49-bell Elliott Tower (100 percent funded by Hugh and Nancy Elliott)
- major renovation of the Oakland Center, a student union facility that includes 60,000 square feet of student-focused spaces
- completion of Hillcrest Hall, a student housing facility that includes 750 beds and a dining facility with the capacity to accommodate 750 residents, students, and staff. The building also includes four general-purpose classrooms with 200 seats

A campus master plan accounts for expected growth and includes:
- renovation and restoration at Meadow Brook Hall
- a third parking structure
- housing facilities to expand the number of beds on campus
- the identification of potential building sites
- a research and development park
- a new humanities facility

Several upgrades, renovations and technological improvements to various classrooms, laboratories and common areas were recently completed. Primary laboratories to receive extensive renovation were in chemistry, biology, physics, and art and art history – all programs that have experienced large increases in student enrollment or are key components of Oakland's biomedical and health care academic offerings.

Applied Research and Economic Development

Oakland offers knowledge, resources and programs that help companies grow. With its research labs, facilities, faculty and students, the University assists companies in transforming ideas into new business developments, turning dreams into reality and giving vitality to vision. At the OU INC and Macomb-OU business incubators, the University is committed to assisting startups and spin-offs to locate and secure technology development, business planning and capital acquisition, as well as providing opportunities for the licensing of Oakland University's intellectual property. To foster emerging discoveries, the University features several noted research centers, including the:

- Eye Research Institute (ERI)
- Fastening and Joining Research Institute (FAJRI)
- Galileo Institute for Teacher Leadership
- Center for Autism
- Center for Biomedical Research (CBR)
- Automotive Tribology Center (ATC)
- Center for Applied Research in Musical Understanding (CARMU)
- Center for Integrated Business Research and Education (CIBRE)
- Center for Robotics and Advanced Automation (CRAA)
- Center for Social and Behavioral Research (CSBR)

- Clean Energy Research Center (CERC)
- Ken Morris Center for the Study of Labor and Work
- Institute for Stem Cell and Regenerative Medicine (ISCRM)

OU SmartZone Business Accelerator: OU INC is a SmartZone Business Accelerator in collaboration with the City of Rochester Hills and Michigan Economic Development Corporation, and partners with Oakland County and Automation Alley. OU INC provides entrepreneurial resources and strategic business solutions for developing business ventures and accelerates ideas to market. It fosters a healthy environment for the growth of new startup companies and provides support for existing entities through its facility and resources. The OU INC facility provides business resources, including those offered by the Clean Energy Research Center and the Integrated Resource Center, as well as access to the expertise and skills of staff, faculty, students and corporate partners.

Part of the Velocity Collaboration Center – a joint venture between Oakland University, Macomb County and the city of Sterling Heights – the **Macomb-OU INCubator** provides entrepreneurial resources, business solutions, access to student interns and proactive support to businesses at every stage to help startups on their path to success. The goal of the incubator is to create jobs and advance business development by identifying sources of necessary financing for growth; helping develop business strategy; consulting; and providing access to appropriate rental space, shared business services, equipment and technology support services in the areas of defense, homeland security, advanced manufacturing and technology.

Fastening and Joining Research Institute (FAJRI): A collaboration between Oakland University, the U.S. Congress, the U.S. Army Tank Automotive Research and Engineering Center (TARDEC), the National Science Foundation and Fiat Chrysler Automobiles, FAJRI is an externally funded, academic, nonprofit research facility that is solely dedicated to exploring fundamental and applied research to develop and disseminate new technology for the fastening and joining of materials such as metals, composites, polymers and biomaterials.

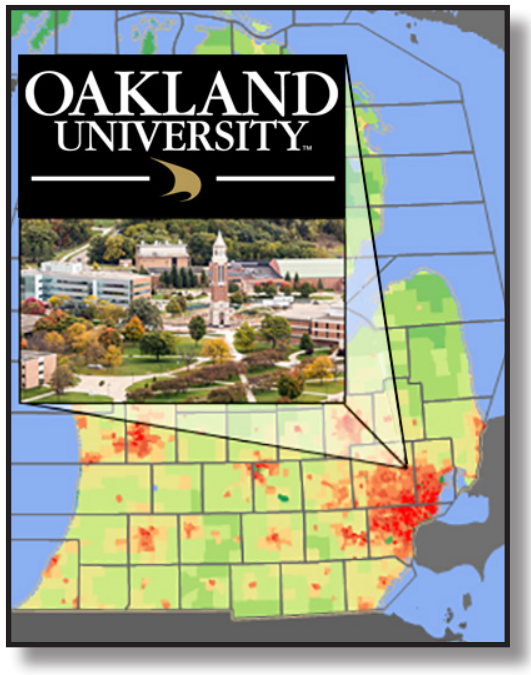
Center for Robotics and Advanced Automation: Funded by the National Science Foundation, the Big Three automotive companies and the Department of Defense, the center works on smart control technology with industrial and defense applications, intelligent robotics, homeland security technology, suspension systems, digital shearography, and global satellite communication technology and systems.

Eye Research Institute (ERI): This unique center of ophthalmic research collaborates with the department of ophthalmology at Beaumont Health System on research and provides a joint ophthalmology residency and fellowship program. Since 1968, ERI scientists have received over $50 million in support from private and federal health agencies.

Center for Biomedical Research: This center provides core facilities and pilot funding for the applied biomedical research efforts of Oakland University's life scientists. Key research includes eye diseases, chemical toxicology, medical physics and biological communication.

Partnerships

Oakland has leveraged its unique Auburn Hills/Rochester Hills/Rochester location in the heart of Michigan's technology and automotive corridor by forging strategic partnerships with hospitals, Fortune 500 and international companies, individuals, cities, government agencies and educational institutions located as near as Southeast Michigan and as far as other countries. The benefits of these associations are far-reaching: students are rewarded with internship and co-op opportunities, University researchers have access to the latest technology tools, and the region benefits through new business opportunities and a stronger economy.



Eugene Applebaum College of Pharmacy and Health Sciences: An alliance between Oakland University's School of Health Sciences and Wayne State University (WSU) provides Oakland's undergraduates a unique opportunity to earn a doctorate in pharmacy. Students can earn their bachelor's degree at OU taking pre-pharmacy courses. During their senior year at OU, students take pharmacy

classes at WSU. Their senior year at OU is also their first year at WSU, giving students the opportunity to complete a doctoral program in seven years instead of eight, saving time and money.

Wayne State University Law School (Wayne Law): Oakland University's Department of Political Science in the College of Arts and Sciences, and the Bachelor of Integrative Studies Program, have both partnered with Wayne Law to offer undergraduate students the opportunity to obtain two degrees in a shorter timeframe. This will allow students from premier and accredited institutions to obtain degrees at a lower cost. During the fourth (senior) year at Oakland University, students will attend Wayne Law and begin their first two semesters of credits at Wayne Law, transferring back to OU for completion of their bachelor's degree. Students must take the Law School Admission Test and meet all other Wayne Law admission requirements.

Crittenton Hospital Medical Center: Crittenton Hospital Medical Center has funded a $2 million endowed professorship in Oakland University's School of Nursing that is changing the clinical education and training of nursing students. The nursing professorship conducts patient-focused research on the science and best practices of nursing, an area that has not received much attention to date. Students in the program conduct all of their clinical rotations at Crittenton Hospital Medical Center using the relationship-based care (RBC) model. RBC moves from an individual expert dynamic to one of engaging patients, identifying options, relaying experiences and empowering patients and their families to make the best treatment decisions.

OU Anton/Frankel Center: Oakland University expanded its reach in Macomb County with the opening of the Anton/Frankel Center (AFC) in fall 2011. With 25,422-square feet of space to house classrooms, offices for advising, student support services, faculty and staff, the AFC signals OU's continued commitment to bringing exceptional academic opportunities to the people of Macomb County. Programs offered at the AFC include bachelor's degrees in criminal justice, psychology, marketing and social work; and master's degrees in public administration and business administration.

The University of Botswana: Oakland University's Department of Counseling in the School of Education and Human Services, in partnership with the University of Botswana (UB), provides student and faculty exchanges, video conferences, and partnerships in research, scholarship, teaching and service.

Dennis Pawley (center) of the Pawley Learning Institute

Israel's Max Stern Academic College: Oakland University offers global experiences for students and faculty through a myriad of overseas programs, including a partnership with Max Stern Academic College in Emek Yezreel, Israel. Students and faculty on both campuses will experience different cultures through research opportunities, academic coursework and student life.

The Pawley Learning Institute: Established through a gift from Dennis Pawley, an OU alumnus and former chair of the OU Board of Trustees, the Pawley Learning Institute provides instruction and research on concepts and training that improve organizational practices in business, education and public service sectors.

Instructional Technology

Access to user-friendly instructional technology resources in the classroom is a standard expectation of Oakland's faculty and students. All general purpose classrooms and a growing number of conference rooms and labs are equipped with enhanced instructional technology resources.

University classrooms are equipped with the following:

- Multimedia workstation containing: a PC computer hardwired to campus network; a digital document camera; an electronic whiteboard; a DVD player; an interface to plug in a user provided laptop computer or mobile device, an interface to plug in an accessory analog audio/video device; sound system; and an electronic control system for managing the room's systems and components.
- Ceiling mounted video/data projection system connected to the multimedia workstation
- Wireless network access

- A lecture capture system (Panopto) is also available to record classroom instruction and post recordings online for student review
- Room microphones and video cameras are also either currently installed or available on an as-needed basis

Oakland provides course offerings via distance education. The three modes of delivery include live two-way interactive video between two or more sites, synchronous web-based instruction to individual students and asynchronous web-based online learning. The Internet is the current transmission vehicle for the University's distance education course offerings.

Software based video collaboration tools such as WebEx and Google Meet are also available for the University community to conduct business at a distance. These types of technologies save time and money by providing a communications tool that allows for the sharing of voice, video and content between two or more computers or mobile devices. The growth in web based learning and communications models will continue to expand in the foreseeable future.

Oakland University uses Moodle for its web-based Learning Management System (LMS). Moodle can be used as a full web-based solution where no face-to-face teaching is required or as a web-supplemented course resource that enhances the standard face-to-face classroom contact between faculty and students. Moodle offers online activities such as discussion boards, chat, quizzes, grade book, file storage and display, journals, workshops, and lessons. Moodle is also the portal to access lecture capture recordings. Another separate instance of Moodle is supported via ePortfolio.

Another teaching tool being utilized is 3D spaces and virtual reality. Second Life is an experimental island where several faculty meet their classes. E-Learning and Instructional Support opened up their Virtual Reality Lab in Fall 2016, and are working with faculty on innovative ways to utilize virtual reality in higher education for

an immersive learning experience.

During the Winter 2018 term, Oakland offered 271 course sections that are fully online to 4,738 distinct students (~27% of total student body). There were 2,035 courses (~52% of all course sections) that provided some level of web-supplemented activity. Oakland also offers 16 online degree and certificate programs. Akindi, i>clicker and other software are supported centrally for grading exams and processing course evaluations.

Technology Enhancements

Oakland University is dedicated to enhancing education through the use of contemporary and emerging technologies and continues to commit significant resources to technological enhancements, including:

- Complete administrative software suite
- Online registration
- Extensive wired and wireless network to all classroom buildings and surroundings
- Elliott Hall of Business and Information Technology, a 74,000-square foot, technology-rich facility
- The Pawley Hall of Education & Human Services Building with 24 enhanced technology classrooms

- Interactive television and video conferencing capability to supplement instruction and administrative program activity
- Online web-based learning management system utilizing Moodle
- Other teaching and learning software, such as Panopto, Akindi, Scantron, Second Life, Camtasia, i>clicker, and Adobe Captivate
- A Virtual Reality lab and lightboard in the e-LIS office in Kresge Library
- An Information Commons in Kresge Library with a significant number of computer work stations for the patrons
- A remodeled O'Dowd Hall has become the home of the Oakland University/William

Beaumont School of Medicine, and includes the addition of significant technology enhancements within classrooms and meeting spaces.

- Oakland's Macomb County site is housed within the Anton/Frankel Center located in Mount Clemens and provides 25,422 square feet of classroom, office and meeting space.
- Major classroom renovation projects that included significant technology enhancements in older campus buildings continue to be a priority objective.
- A Human Health Building (HHB) provides the University community with an all-digital classroom technology systems within all instructional spaces, a state-of-the-art Nursing SIM lab, and many technology enhancements within specialty laboratories. The HHB has been recognized at a LEED Platinum building, the first Platinum building on a University campus in the State of Michigan.
- An Engineering Center building opened in the fall of 2014 with state of the art instructional facilities, labs and resources.
- Nine instructional classrooms opened during the fall of 2015 which were created within existing University space that was repurposed and remodeled to include the most current instructional technology resources.
- Oakland is a partner with the City of Auburn Hills in the collaboration of a University Center which opened in January of 2014.
- The University is also partnering with the Pontiac Public Schools system and during the summer of 2015 created a collaboration center and classroom in downtown Pontiac.

- During the summer of 2017 five general purpose classrooms were converted to active learning classrooms with new furniture that supports group work and collaboration activities. In addition, new technology was added to support Modern Languages courses and lab activity with a focus on audio listening and recording.
- Progress with Accessibility has been made during the 2017-18 academic year with a focus on faculty development and the creation of instructional content. In addition,

websites are being updated across the campus, and video captioning processes are being defined along with vendor support identified. A committee was formed on Universal Design in Learning (UDL) to further the University's efforts to improve Accessibility in multiple ways.

Cultural and Performing Arts

Oakland's contribution to the arts has moved beyond local boundaries to secure a place of prominence in the region. Historically, OU has had a strong performing arts program with record-high enrollment numbers.

The **School of Music, Theatre and Dance**, formerly the Department of Music, Theatre and Dance, offers more than 140 student and faculty performances throughout the academic year. Guests enjoy everything from musicals and intimate recitals to experimental plays and innovative dance performances. OU has earned a reputation for taking artistic risks, developing gifted artists, nurturing arts partnerships and achieving new heights of quality and professionalism.

Meadow Brook Hall is the sixth largest historic house museum in the United States and is renowned for its superb craftsmanship, architectural detailing and grand scale.

Built between 1926 and 1929 as the residence of Matilda Dodge Wilson (widow of auto pioneer John Dodge) and her second husband, lumber broker Alfred G. Wilson, the 110-room, 88,000-square-foot, Tudor-revival style mansion is complete with vast collections of original art and furnishings. In 2012, the U.S. Department of the Interior designated the hall a National Historic Landmark, the highest recognition for historic properties in the United States.

For more than 40 years, the **Oakland University Art Gallery** (OUAG), housed in the Department of Art and Art History, has delivered diverse, museum-quality art to Metro Detroit audiences. From September to May, the OUAG presents up to six different exhibitions – from cutting-edge contemporary art to projects exploring historical and global themes. The gallery also offers lectures, performances, tours, special events and more. Nearly 15,000 people visit OUAG each year to experience art and cultural programs.

OU's **Meadow Brook Amphitheatre** hosts today's top concerts including rock, alternative, adult contemporary, pop, country, and rhythm and blues; a wine and food festival; stand-up comedians; and family entertainment.

Community Outreach

In the more than 10 years since Oakland University initiated a formal partnership with the **City of Rochester** through the Rochester Downtown Development Authority (DDA), much has been accomplished with new initiatives added over time. The partnership presents many opportunities for the OU community to benefit from joint educational and cultural programming. Areas of emphasis for students, faculty and alumni have included employment, internships, research and development projects, business development assistance, community service projects, promotions and business discounts, and opportunities to showcase the arts, theatre and music to complement classroom work. The University annually hosts the Rochester Area Chamber of Commerce's Regional Outlook Luncheon and also maintains a support partnership with the Rochester Older Person's Commission. Students, alumni, faculty and staff enjoy discounts at dozens of participating stores and restaurants through the OU GO card. The University also partners with the Rochester Regional Chamber of Commerce for joint programming and assistance.

Oakland proudly partners with its other neighboring communities including **Auburn Hills**, **Pontiac** and **Rochester Hills**. OU and the Pontiac community have a long history together through programs such as GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Programs), which helps students in the Pontiac as well as Oak Park school districts; Project Upward Bound, which helps 120 students each year finish high school and develop the social and cultural skills needed to realize their dreams and succeed in college and society; and through the Wade H. McCree Jr. Incentive Scholarship program, which assures that students who meet specific criteria will be awarded a full-tuition scholarship to Oakland when they graduate from high school.

Since 2014, OU faculty and staff, Pontiac business owners, representatives from non-profit agencies, Pontiac schools, hospitals and the Mayor's office as well as Pontiac residents and enthusiasts have collaborated in a comprehensive community advancement project called the Pontiac Initiative. All told, 74 partner organizations and roughly 500 individuals have embarked on more than two-dozen projects focusing on education; civic engagement; business, workforce development and entreprenuership, health care and wellness; arts and culture;

and neighborhoods and non-profits.

Recently, Oakland initiated a laboratory school initiative that places University faculty and education students in Pontiac schools to help institute and maintain instruction best practices in the classroom. The initiative is developed after a highly successful model implemented in a neighboring Auburn Hills school. In addition, Oakland University and Pontiac Schools are also working together to make Parent University a valuable community resource with a program that encourages families to connect to schools and the community, providing resources that help parents become full partners in their child's education.

Oakland University is involved in various community service efforts in **Macomb County**, including the Let's Move Festival of Races in downtown **Mount Clemens** and emergency preparedness education programs. In addition, Oakland University students and staff, including the OU Dance team, Cheer team and the Grizz, participated in the annual Macomb County Santa Parade last year.

In 2016, members of the Oakland University community opened their hearts and their wallets, making generous gifts to the All-University Fund Drive. A total of 926 faculty, staff and retirees contributed $481,984.

Academic and Student Life Enhancements

All students should have the benefit of academic support services, especially mentoring and small learning communities, aimed at helping them make the necessary academic and social adjustments to achieve collegiate success.

OU's **First Year Advising Center** connects new students with University advisers, peer mentors, graduate assistants, faculty and various support services on campus to provide a more effective student experience, especially during the critical first year.

The award-winning **Oakland University Trustee Academic Success (OUTAS)** scholarship program is a national model for retaining and graduating a diverse group of high-achieving university students. OUTAS was established to counter the declining rates of minority retention, graduation and student performance. In recent years, OUTAS students have graduated at record rates that are as high as 35 percentage points above University averages.

The **Writing Center in Kresge Library**, established through a leadership gift from OU Professor Emeritus of English Joan Rosen, assists hundreds of students each year. The Writing Center provides assistance to students to develop and incorporate effective writing and communication skills in all subject areas.

Oakland's **Honors College** offers highly motivated students an intimate, intellectually friendly and challenging atmosphere featuring small classes of 10 to 20 students. They pursue a specially designed core of general education courses in art, literature, western civilization, social science, global perspectives, mathematics, logic, computer science, natural science and technology. The recent opening of the Frances M. Moceri Scholars House will allow high-achieving scholars to also develop leadership qualities including empathy, collaboration and vision through specialized programming. Overall, the Honors College has seen a 245% increase in enrollment over the last six years and current freshmen achieved an average high school grade point average of 3.97.

OAKLAND UNIVERSITY
HONORS COLLEGE

OU has more than **300 student organizations** that encourage student involvement and social opportunities.

The **Recreation and Athletics Center** hosts a number of activities throughout the year in which students may get involved, including intramural and club sports, group exercise classes and wellness-related programs. This multi-purpose facility draws more than 25,000 visits per month for recreational and sports programs.

New outdoor recreation and athletics facilities accommodate NCAA Division I athletic events including tennis and track and field meets, club and intramural sports competitions, and a variety of fitness and recreational activities welcoming university students, faculty, staff and community visitors.

Oakland is dedicated to the development of students in all aspects of their lives. Through a carefully thought-out collection of campus-life experiences, the University gives students opportunities to conduct research and participate in internships and co-op experiences.

In 2016, the **Office of Student Success** and **Experiential Learning Center** was developed to embrace the University's mission to "engage students in distinctive educational experiences that connect to the unique and diverse opportunities within and beyond our region." The office supports student retention by helping students make the most of their second academic year, aiding those short on credits, guiding displaced workers through the workforce development system, providing assistance to those falling behind in a course and assisting in an overall effort to help student complete their degree.

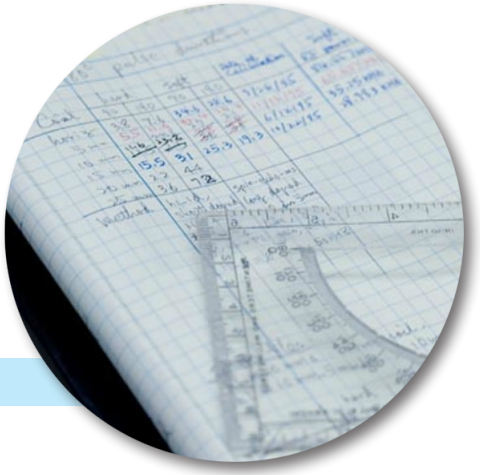
Undergraduate Degree Programs

College of Arts and Sciences (104)

Bachelor of Arts – CASBA (57)

2810 Anthropology
2815 Anthropology – Modified w/Concentration in Linguistics
1055 Art History
1105 Biology
1230 Chemistry
1609 Chinese Studies
1450 Cinema Studies
1453 Cinema Studies/Filmmaking Specialization
2705 Communication
1420 Creative Writing
2875 Criminal Justice
2880 Criminal Justice w/Special in Information Security and Assurance

2881 Criminal Justice w/Special in Homeland Security
2290 Dance
2291 Dance Education
3700 Economics
1405 English
1410 English – Modified w/Concentration in Linguistics
1980 French Language and Literature
1985 French – Modified
2015 German w/Concentration in German Studies
2010 German Language and Literature
2020 German – Modified
1096 Graphic Design
1505 History
1045 Independent Major
2510 International Relations
2040 Japanese Language and Literature
2045 Japanese – Modified
1614 Japanese Studies
2735 Journalism
2060 Latin American Language and Civilization
1625 Latin American Studies
1700 Liberal Studies
1705 Linguistics
1710 Linguistics – Modified
1805 Mathematics
2205 Music
2375 Philosophy
2405 Physics
2515 Political Science
2605 Psychology
2615 Psychology – Modified w/Concentration in Linguistics
2744 Public Relations and Strategic Communication



2820 Sociology
2805 Sociology/Anthropology
2825 Sociology – Modified w/Concentration in Linguistics
2100 Spanish Language and Literature
2110 Spanish – Modified
1075 Studio Art – Specialization in Drawing
1097 Studio Art – Specialization in Interactive Art and Technology
1080 Studio Art – Specialization in Painting
1085 Studio Art – Specialization in Photography
2294 Theatre
2130 Two Modern Languages
2870 Writing and Rhetoric
2865 Women and Gender Studies

Bachelor of Science – CASBS (14)

1905 Actuarial Science
1835 Applied Statistics
1225 Biochemistry
1105 Biology
1125 Biology – Modified w/Specialization in Anatomy
1120 Biology – Modified w/Specialization in Cell-Molecular Biology
1130 Biology – Modified w/Specialization in Microbiology
1109 Biomedical Sciences
1111 Biomedical Sciences – w/Specialization in Anatomy
1230 Chemistry
1805 Mathematics
2420 Medical Physics
2405 Physics
2530 Public Administration and Public Policy

Bachelor of Science – ENVSCI (2)

1252 Environmental Science/Specialization Sustainability and Resource Management
1257 Environmental Science/Specialization in Environmental Health

Bachelor of Social Work – BSW (1)

2860 Social Work

K-12 Educational Programs (11)

2292 Dance Education w/K-12 Certification (pending accredit. approval)
1992 French w/K-12 Certification
2027 German w/K-12 Certification
2047 Japanese w/K-12 Certification
2122 Spanish w/K-12 Certification
1076 Studio Art – w/K-12 Specialization in Drawing
1099 Studio Art – w/K-12 Specialization in Interactive Art and Technology
1091 Studio Art – w/K-12 Specialization in New Media
1081 Studio Art – w/K-12 Specialization in Painting
1086 Studio Art – w/K-12 Specialization in Photography
1093 Studio Art – w/K-12 Specialization in Graphic Design

Secondary Education Programs (6)

1140 Biology w/Secondary Ed
1240 Chemistry w/Secondary Ed
1430 English w/Secondary Ed
1515 History w/Secondary Ed
1825 Mathematics w/Secondary Ed
2430 Physics w/Secondary Ed

College of Arts and Sciences – School of Music, Theater and Dance

Bachelor of Fine Arts – BFA (4)

- 2283 Acting
- 2293 Dance Education and Performance
- 2285 Musical Theatre
- 2296 Theatre Design & Technology

Bachelor of Music – BM (9)

- 2360 Choral/General Music Education
- 2363 Choral/General Music Education/Performance
- 2362 Instrumental/General Music Education
- 2364 Instrumental/General Musical Education Performance
- 2265 Music – Instrumental Performance
- 2245 Music – Piano Performance
- 2247 Music – Piano Pedagogy
- 2248 Music – Piano Performance and Pedagogy
- 2240 Music – Voice Performance

School of Business Administration (14)

Bachelor of Science – SBABS (15)

- 3100 Accounting
- 3705 Business Economics
- 3700 Economics
- 3200 Finance
  - Finance w/Specialization in Wealth Management
- 3300 General Management
- 3400 Human Resource Management
- 3500 Management Information Systems

3510 Management Information Systems w/Special in Business Analytics
3520 Management Information Systems w/Special in Information Security
3600 Marketing
3806 Operations Management
3816 Operations Management w/Special in Supply Chain Management
3826 Operations Management w/Special in Lean/Quality Management
3836 Operations Management w/Special in Project Management

School of Education and Human Services (2)

Bachelor of Science (2)

4120 Elementary Education
4320 Human Resource Development

School of Engineering and Computer Science (9)

Bachelor of Science (2)

5020 Computer Science
5070 Information Technology

Bachelor of Science in Engineering (7)

5120 Computer Engineering
5140 Electrical Engineering
5185 Industrial & Systems Engineering
5160 Mechanical Engineering
5162 Mechanical Engineering w./Specialization in Manufacturing
5164 Mechanical Engineering w./Specialization in Automotive Engineering
5163 Mechanical Engineering w./Specialization in Energy

School of Health Sciences (10)

Bachelor of Science (10)

6070 Applied Health Sciences
6171 Clinical and Diagnostic Sciences
6042 Environmental Health and Safety
6020 Health Sciences
6177 CDS: Medical Laboratory Science
6173 CDS: Histotechnology
6175 CDS: Nuclear Medical Technology
6178 CDS: Radiologic Technology
6179 CDS: Preprofessional
6051 Wellness and Health Promotion

School of Nursing (3)

Bachelor of Science in Nursing (3)

7020 Nursing
7040 Nursing (Completion Sequence)
7050 Accelerated Second Degree

University Programs (1)

Bachelor of Integrative Studies (1)

7605 Integrative Studies

College of Arts and Sciences, School of Engineering and Computer Science (3)

Jointly Offered Bachelor of Science (3)

5051 Bioengineering
5040 Engineering Chemistry
5060 Engineering Physics

Undergraduate Concentrations and Minors

CONCENTRATIONS (20)

2885 Addiction Studies
1435 American Studies
2850 Archaeology
1160 Endorsement Concentration in Integrated Science (STEP)
1518 Endorsement Concentration in Social Studies (STEP)
1270 Environmental Studies
6240 Exercise Science
1995 French Studies
2016 German Studies
2887 Gerontology
6073 Health Information Technology
6023 Integrative Holistic Medicine
1705 Linguistics
6055 Nutrition and Health
6021 Pre-Health Professional
6022 Pre-Pharmacy
6015 Pre-Physical Therapy
1152 Pre-Medical Studies – Med/Den/Opt/Vet
2856 Religious Studies
2855 Urban Studies

MINORS (108)

3100 Accounting
2740 Advertising
1605 African-American Studies
2810 Anthropology
1810 Applied Mathematics
4355 Applied Leadership Skills
1835 Applied Statistics
1055 Art History
1105 Biology
1140 Biology – Secondary Teaching
3840 Business
3801 Business Analytics
1230 Chemistry
1240 Chemistry – Secondary Teaching
2889 Child Welfare
1610 Chinese Studies
1956 Chinese Language
1955 Chinese Language and Civilization
1960 Chinese with Secondary Education
2841 Christianity Studies
1450 Cinema Studies
2705 Communication
6056 Community Health Engagement
5020 Computer Science
5021 Computing
2875 Criminal Justice
1420 Creative Writing
2290 Dance
2750 Digital Media Production
3700 Economics
3702 Economics – Secondary Teaching
4351 Employment Systems and Standards
1405 English
1430 English – Secondary Teaching
3850 Entrepreneurship
6042 Environmental Health and Safety
1266 Environmental Science
6240 Exercise Science
3200 Finance
1981 French Language
1980 French Language and Literature
1990 French – Secondary Teaching
2011 German Language
2010 German Language and Literature
2016 German Studies
2025 German – Secondary Teaching
1095 Graphic Design
1505 History
1515 History – Secondary Teaching

6025 Holistic Health
4320 Human Resource Development
3400 Human Resources Management
3521 Information Security Management
2708 Interactive and Social Media
3302 International Management
5300 International Orientation
2510 International Relations
5070 Information Technology
2842 Islamic Studies
2030 Italian Language
2037 Japanese Language
2035 Japanese Language and Civilization
2040 Japanese Language and Literature
2046 Japanese with Secondary Education
2047 Japanese – Secondary Teaching
1615 Japanese Studies
2350 Jazz Studies
2735 Journalism
2843 Judaic Studies
1625 Latin American Studies
4360 Lean Leadership
2864 LGBTQ Studies
1705 Linguistics
3500 Management Information Systems
3600 Marketing
1805 Mathematics
1825 Mathematics – Secondary Teaching
1635 Middle Eastern Studies
2205 Music
2206 Music, Liberal Arts
6055 Nutrition and Health
3806 Operations Management
2375 Philosophy
2405 Physics
2430 Physics – Secondary Teaching
2515 Political Science
2520 Political Science – Secondary Teaching
2605 Psychology
2742 Public Relations
2530 Public Administration and Public Policy
2707 Relational Communication
1631 Russian and East European Studies
2820 Sociology
1620 South Asian Studies
2101 Spanish Language
2100 Spanish Language and Literature
2120 Spanish – Secondary Teaching
1070 Studio Art
1720 Teaching English as a Second Language
2294 Theatre
1147 Three Science
4900 Training and Development
1146 Two Science
1144 Urban Agriculture and Agroecology
6051 Wellness and Health Promotion
2865 Women and Gender Studies
2870 Writing and Rhetoric
2355 World Music

Graduate Degree Programs (139)

Doctoral (19)

- Doctor of Physical Therapy
- Doctor of Education in Organizational Leadership
- Doctor of Philosophy in Education: Counseling
- Doctor of Science in Physical Therapy
- Doctor of Philosophy in Education: Early Childhood Education
- Doctor of Philosophy in Education: Educational Leadership
- Doctor of Philosophy in Reading Education
- Doctor of Nursing Practice
- Doctor of Nursing Practice: Nurse Anesthesia concentration
- Doctor of Philosophy in Applied Mathematical Sciences
- Doctor of Philosophy in Biological and Biomedical Sciences
- Doctor of Philosophy in Biomedical Sciences: Health and Environmental Chemistry
- Doctor of Philosophy in Biomedical Sciences: Medical Physics
- Doctor of Philosophy in Computer Science and Informatics
- Doctor of Philosophy in Electrical and Computer Engineering
- Doctor of Philosophy in Mechanical Engineering
- Doctor of Philosophy in Music Education
- Doctor of Philosophy in Psychology
- Doctor of Philosophy in Systems Engineering

Education Specialist (1)

- Educational Specialist in Leadership

Master's (56)

- Master of Arts in Biology
- Master of Arts in Clinical Mental Health Counseling
- Master of Accounting
- Master of Arts in Communication
- Master of Arts in Counseling - School Counseling
- Master of Arts in English
- Master of Arts in Teaching in Elementary Education
- Master of Business Administration
- Master of Business Administration - Executive
- Master of Arts in History
- Master of Arts in Teaching in Reading and Language Arts
- Master of Science in Information Technology Management
- Master of Arts in Liberal Studies
- Master of Arts in Teaching in Secondary Education
- Master of Arts in Linguistics
- Master of Education in Early Childhood Education
- Master of Arts in Mathematics
- Master of Education in Educational Leadership
- Master of Music in Conducting
- Master of Education in Higher Education Leadership
- Master of Education in International Baccalaureate Education - SUSPENDED
- Master of Music in Instrumental Performance
- Master of Education in Special Education
- Master of Music in Music Education
- Master of Education in Teacher Leadership
- Master of Music in Piano Pedagogy
- Master of Training and Development
- Master of Music in Piano Performance
- Master of Music in Vocal Pedagogy
- Master of Music in Vocal Performance
- Master of Music in World Percussion Performance
- Master of Public Administration
- Master of Science in Applied Statistics
- Master of Science in Biology
- Master of Science in Chemistry
- Master of Science in Industrial Applied Mathematics
- Master of Science in Physics

Master of Science in Psychology
Master of Public Health
Master of Science in Computer Science
Master of Science in Cyber Security
Master of Science in Electrical and Computer Engineering
Master of Science in Embedded Systems
Master of Science in Engineering Management
Master of Science in Exercise Science
Master of Science in Industrial and Systems Engineering
Master of Science in Mechanical Engineering
Master of Science in Mechatronics
Master of Science in Nursing: Adult/Gerontological Nurse Practitioner
Master of Science in Nursing: Family Nurse Practitioner
Master of Science in Nursing: Forensic Nursing
Master of Science in Nursing: Nurse Anesthesia
Master of Science in Safety Management
Master of Science in Software Engineering and Information Technology
Master of Science in Systems Engineering

Graduate Certificate (36)

Graduate Certificate in Applied Behavior Analysis: Basic
Graduate Certificate in Applied Behavior Analysis: Comprehensive
Graduate Certificate in Autism for Multiple Disciplines
Graduate Certificate in Autism Spectrum Disorder Education: Advanced
Graduate Certificate in Autism Spectrum Disorder Education: Basic
Graduate Certificate in Biomedical Sciences
Graduate Certificate in Business Analytics
Graduate Certificate in Business Essentials
Graduate Certificate in Clinical Exercise Science
Graduate Certificate in Conducting
Graduate Certificate in Corporate and Worksite Wellness
Graduate Certificate in Digital Literacies and Learning
Graduate Certificate in Emotional Impairment: Advanced
Graduate Certificate in Emotional Impairment: Basic
Graduate Certificate in Exercise Science
Graduate Certificate in Finance
Graduate Certificate in Forensic Nursing
Graduate Certificate in Instrumental Performance
Graduate Certificate in International Baccalaureate Education (Teaching and Learning) -SUSPENDED
Graduate Certificate in Lean Leadership
Graduate Certificate in Music Education
Graduate Certificate in Neurological Rehabilitation
Graduate Certificate in Oncology Rehabilitation
Graduate Certificate in Orthopedic Manual Physical Therapy
Graduate Certificate in Orthopedics
Graduate Certificate in Pediatric Rehabilitation
Graduate Certificate in Piano Pedagogy
Graduate Certificate in Piano Performance
Graduate Certificate in Productivity Improvement
Graduate Certificate in Specific Learning Disability: Advanced
Graduate Certificate in Specific Learning Disability: Basic
Graduate Certificate in Statistical Methods
Graduate Certificate in Teaching and Learning for Rehabilitation Professionals
Graduate Certificate in Teaching English as Second Language (20 credits)
Graduate Certificate in Vocal Pedagogy
Graduate Certificate in Vocal Performance

Post Masters Graduate Certificate (27)

Post-Master's Graduate Certificate in Accounting
Post-Master's Graduate Certificate in Adult/Gerontological Nurse Practitioner
Post-Master's Graduate Certificate in Business Economics
Post-Master's Graduate Certificate in Central Office Administration

Post-Master's Graduate Certificate in Conducting
Post-Master's Graduate Certificate in Court Administration
Post-Master's Graduate Certificate in Criminal Justice Leadership
Post-Master's Graduate Certificate in Entrepreneurship
Post-Master's Graduate Certificate in Family Nurse Practitioner
Post-Master's Graduate Certificate in Finance (admissions suspended Fall 2018)
Post-Master's Graduate Certificate in General Management
Post-Master's Graduate Certificate in Health Care Administration
Post-Master's Graduate Certificate in Higher Education
Post-Master's Graduate Certificate in Human Resources Management
Post-Master's Graduate Certificate in Instrumental Performance
Post-Master's Graduate Certificate in International Business
Post-Master's Graduate Certificate in Local Government Management
Post-Master's Graduate Certificate in Management Information Systems
Post-Master's Graduate Certificate in Marketing
Post-Master's Graduate Certificate in Music Education
Post-Master's Graduate Certificate in Nonprofit and Management
Post-Master's Graduate Certificate in Nurse Anesthesia
Post-Master's Graduate Certificate in Piano Performance
Post-Master's Graduate Certificate in Production/Operations Management
Post-Master's Graduate Certificate in Vocal Pedagogy
Post-Master's Graduate Certificate in Vocal Performance

Staffing and Enrollment

FIGURE 1

Faculty and Staff Full Time Equivalent (FTE) by Program, FY 2016-17

Instructional Programs

	FACULTY	STAFF
Area, Ethnic, Cultural, Gender and Group Studies	11.52	0.84
Communications, Journalism and Related Programs	42.4	0
Computer and Information Science, Support Services	25.85	5.76
Education	92.64	26.52
Engineering	52.63	16.44
Foreign Languages, Literatures and Linguistics	57.61	3.9
English Language and Literature, Letters	85.7	7.39
Liberal Arts and Sciences, General Studies and Humanities	7.41	4.07
Library Science	1	0
Biological and Biomedical Sciences	51.23	16.43
Mathematics and Statistics	40.08	5.06
Multi- and Interdisciplinary Studies	0	0
Parks, Recreation, Leisure and Fitness Studies	9.86	0
Philosophy and Religious Studies	25.44	0.84
Physical Sciences	34.37	16.82
Psychology	31.63	5.23
Homeland Security, Law Enforcement, Firefighting	8	0
Public Administration and Social Service Professions	12.95	0
Social Sciences	51.99	10.81
Visual and Performing Arts	82.94	24.95
Health Professions and Related Sciences	8.73	0
Medicine	41.78	21.88
Public Health	9	0
Nursing Professions	44.66	1.29
Health Professions and Related Clinical Sciences, Other	33.21	8.47
Business, Management, Marketing and Support Services	91.1	11.29
History	17.42	2.22
Total	**971.15**	**190.21**

Non-Instructional Programs

	STAFF
Research	22.87
Public Support	3.26
Academic Support	418.21
Student Services	262.19
Institutional Support	224.87
Plant Operation& Maintenance	129.97
Aux Enterprise	52.37
Total	**1303.95**

Staffing and Enrollment

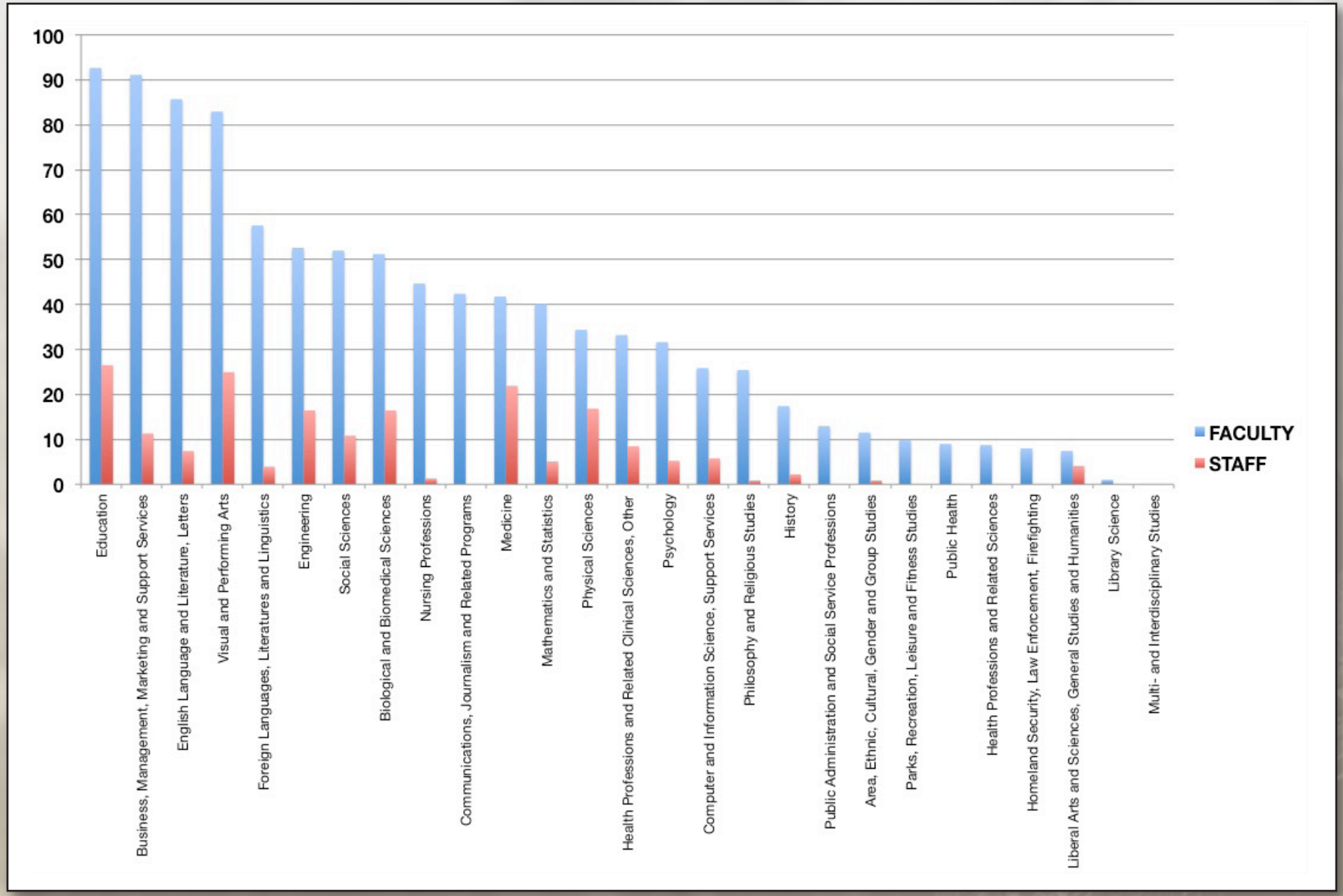


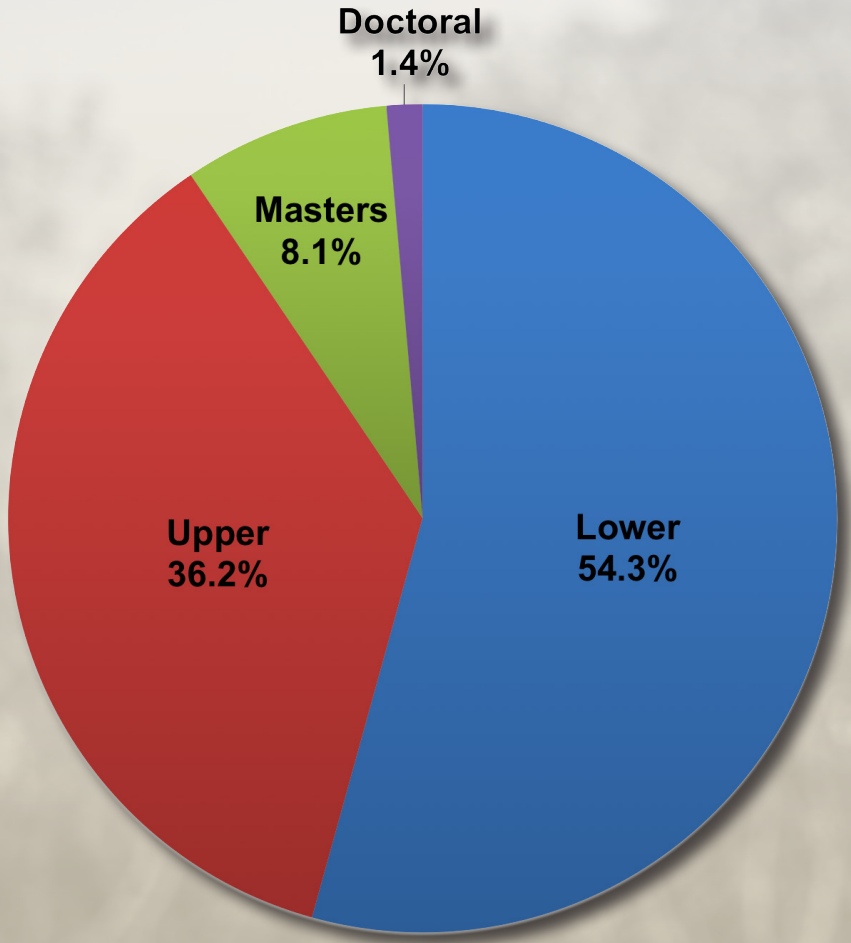
FIGURE 2

Student Credit Hours by Level and by Program, FY 2016-17

This chart shows credit hours awarded by instructional discipline.

	Lower	Upper	Masters	Doctoral	Total
Area Studies	3864	1120			4984
Communication	8704	9750	236		18690
Computer Science	7440	5942	1186	548	15116
Education	828	12906	12715	3625	30074
Engineering	9917	11507	5339	698	27461
Modern Languages	17561	3690	486		21737
English	31049	9800	260		41109
Liberal Arts	3828	144	98		4070
Library Science	196				196
Biology	22150	14781	739	79	37749
Math	29576	1112	1127	94	31909
Multi/Interdisciplin. Sciences					0
Parks, Recreation & Fitness	2480	2213	597		5290
Philosophy	13312	1496			14808
Physical Sciences	32606	1094	435	117	34252
Psychology	13704	6560	612	111	20987
Criminal Justice	2108	3448			5556
Public Administration	524	4910	1198		6632
Social Science	20012	10484	297		30793
Fine Arts	22234	7945	168	57	30404
Medical Laboratory Sciences	870	2577			3447
Public Health	584	1,963	778		3325
Rehabilitative & Therapeutic Profes-		328	3239	1493	5060
Nursing	6771	16144	3371	227	26513
Other Health Professions	5410	11191	36		16637
Business	12727	39214	7543		59484
History	5308	2416	140		7864
Total	**273,763**	**182,735**	**40,600**	**7,049**	**504,147**

Student Credit Hours by Level and Program



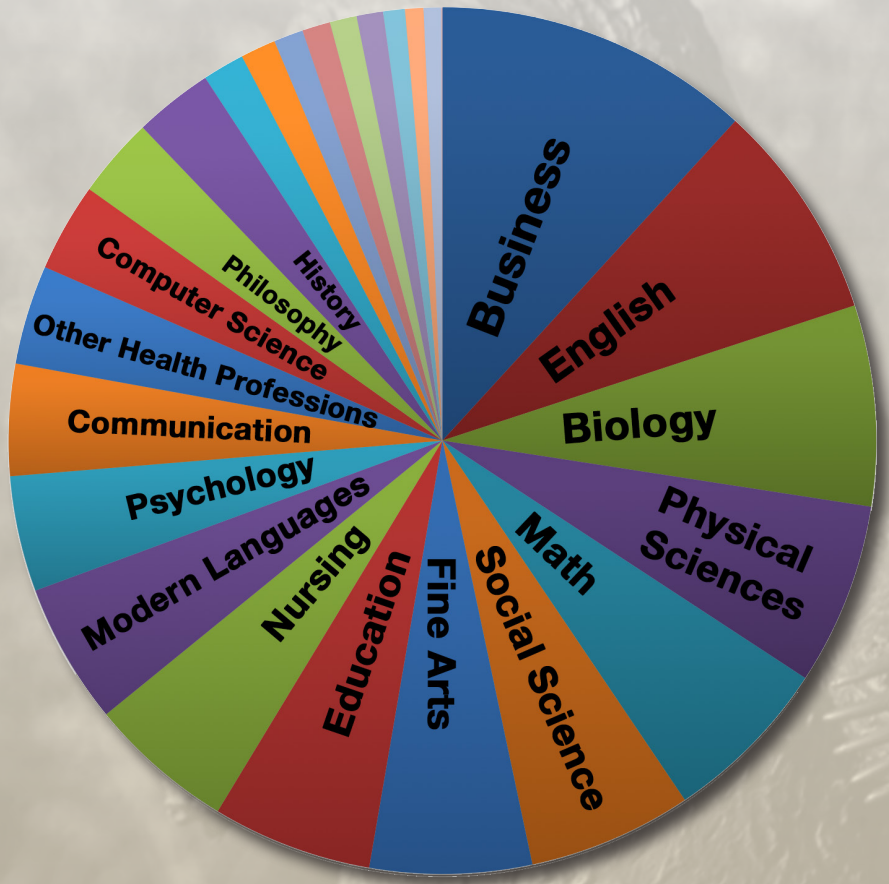


FIGURE 3

Degrees Awarded by Program, FY 2017-18

Academic Program Area	Bachelor's	Post Bachelor's	Masters	Post Master's	Doctoral	Total
Natural Resources and Conservation	29					29
Area Ethnic, Cultural, Gender and Group Studies	4					4
Communication, Journalism and Related Programs	191		5			196
Computer and Information Sciences and Related Programs	135		47		6	188
Education	146	10	213	57	25	451
Engineering	273		131		22	426
Engineering Technologies and Engineering-Related Fields	0		27			27
Foreign Languages, Literatures and Linguistics	32		10			42
Legal Professions and Studies	15					15
English Language and Literature/Letters	88	1	8			97
LIberal Arts and Sciences, General Studies and Humanities	114		4			118
Biological and Biomedical Studies	204	3	29		3	239
Mathematics and Statistics	18		2		3	23
Parks, Recreation, Liesure and Fitness Studies	0					0
Philosophy and Religious Studies	9					9
Physical Sciences	9		12		2	23
Psychology	182		10		2	194
Homeland Security, Law Enforcement, Firefighting & Related	75					75
Public Administration and Social Service Professions	114	1	20			135
Social Sciences	112					112
Visual and Performing Arts	129		4			133
Nursing Professions	751	9	98			858
Public Health						0
Health Professions and Related Clinical Sciences					143	143
Business Management, Marketing and Related Services	650	3	153			806
History	36		1			37
Total	**3,316**	**27**	**774**	**57**	**206**	**4,380**

Degrees Awarded by Program

FIGURE 4

Enrollment Trends from Fall 1998 to Fall 2018

Student enrollment over the last 20 years at Oakland University's grew from 14,289 to 19,309, which represents an increase of more than 35%.

	Undergraduate			Graduate			Total		
Fall Term	In-State	Out-State	Total	In-State	Out-State	Total	In-State	Out-State	Total
1998	10,963	148	11,111	3,061	117	3,178	14,024	265	14,289
1999	11,153	179	11,332	2,878	77	2,955	14,031	256	14,287
2000	11,530	200	11,730	3,061	99	3,160	14,591	299	14,890
2001	12,034	215	12,249	3,145	104	3,249	15,179	319	15,498
2002	12,185	208	12,393	3,232	115	3,347	15,417	323	15,740
2003	12,504	223	12,727	3,428	101	3,529	15,932	324	16,256
2004	12,614	211	12,825	3,568	113	3,681	16,182	324	16,506
2005	12,923	212	13,135	3,672	100	3,772	16,595	312	16,907
2006	13,163	210	13,373	3,839	97	3,936	17,002	307	17,309
2007	13,549	182	13,731	3,753	107	3,860	17,302	289	17,591
2008	13,948	158	14,106	3,528	124	3,652	17,476	282	17,758
2009	14,680	181	14,861	3,401	117	3,518	18,081	298	18,379
2010	14,961	189	15,150	3,293	121	3,414	18,254	310	18,564
2011	15,275	198	15,473	3,301	126	3,427	18,576	324	18,900
2012	15,587	229	15,816	3,293	157	3,450	18,880	386	19,266
2013	15,967	305	16,272	3,236	252	3,488	19,203	557	19,760
2014	16,166	343	16,509	3,149	346	3,495	19,315	689	20,004
2015	16,379	414	16,793	3,036	432	3,468	19,415	846	20,261
2016	16,139	429	16,568	2,933	511	3,444	19,072	940	20,012
2017	15,470	431	15,901	2,895	537	3,432	18,365	968	19,333
2018	15,335	464	15,799	2,930	580	3,510	18,265	1,044	19,309

Enrollment Trends from Fall 1998 to Fall 2018

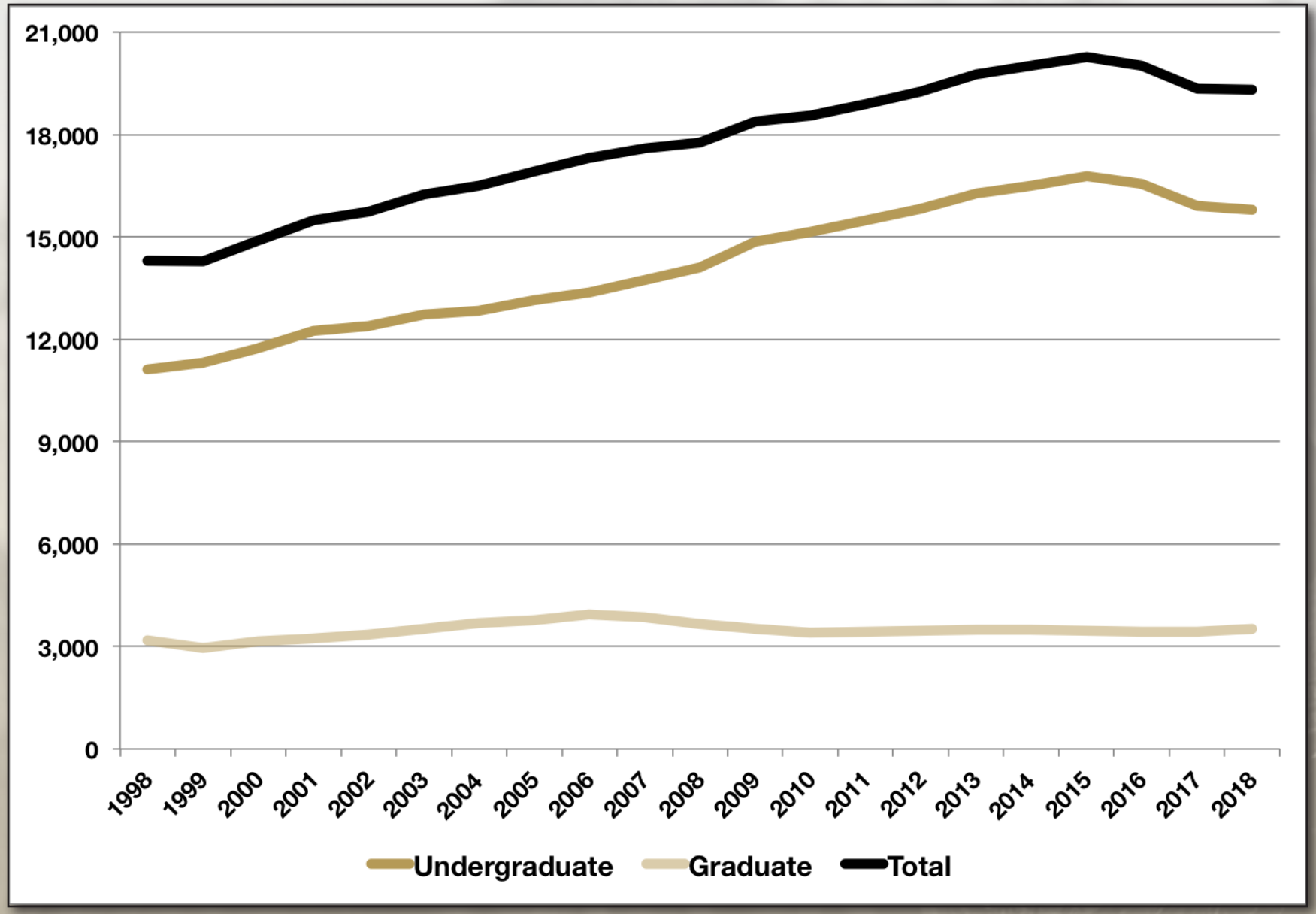


FIGURE 5

Enrollment Projections by School/College and Level, Fall 2017 – Fall 2022

	Actual	Projections					% Change
UNDERGRADUATE	2017	2018	2019	2020	2021	2022	2017-22
CAS	**5,422**	**5,167**	**5,004**	**4,939**	**4,936**	**4,969**	**-8.4%**
SBA	2,486	2,478	2,498	2,458	2,454	2,466	-0.8%
SEHS	1,027	1,009	997	989	985	992	-3.4%
SECS	2,608	2,753	2,776	2,772	2,778	2,802	7.4%
SHS	1,969	1,925	1,922	1,904	1,890	1,900	-3.5%
SON	1,343	1,283	1,268	1,261	1,251	1,258	-6.3%
UP/None	1,046	985	953	925	912	922	-11.9%
Total	15,901	15,600	15,418	15,248	15,206	15,309	-3.7%
GRADUATE	2017	2018	2019	2020	2021	2022	2017-22
CAS	348	347	357	366	374	372	6.8%
SBA	440	444	452	460	469	460	4.6%
SEHS	944	951	955	966	984	985	4.4%
SECS	736	750	770	793	811	831	13.0%
SHS	258	261	269	276	282	284	10.1%
SON	231	230	239	246	250	253	9.4%
OUWB SOM	475	488	489	490	490	490	3%
Total	3,432	3,474	3,533	3,599	3,668	3,753	9.4%
W/O SOM	2,957	2,986	3,044	3,109	3,178	3,263	10.3%
UNIVERSITY TOTAL	2017	2018	2019	2020	2021	2022	2017-22
CAS	5,770	5,514	5,361	5,305	5,310	5,341	-7.4%
SBA	2,926	2,922	2,950	2,918	2,923	2,926	0.0%
SEHS	1,971	1,960	1,952	1,954	1,969	1,977	0.3%
SECS	3,344	3,503	3,546	3,564	3,589	3,633	8.7%
SHS	2,227	2,186	2,190	2,180	2,172	2,184	-1.9%
SON	1,574	1,514	1,507	1,506	1,501	1,511	-4.0%
OUWB SOM	475	488	489	490	490	490	3%
University Programs	1,046	985	953	925	912	922	-11.9%
Total	19,333	19,074	18,951	18,847	18,874	19,062	-1.4%
Percent change		-1.3%	-0.6%	-0.5%	0.1%	1.0%	

University Enrollment Projections by School/College, Fall 2017 – Fall 2022

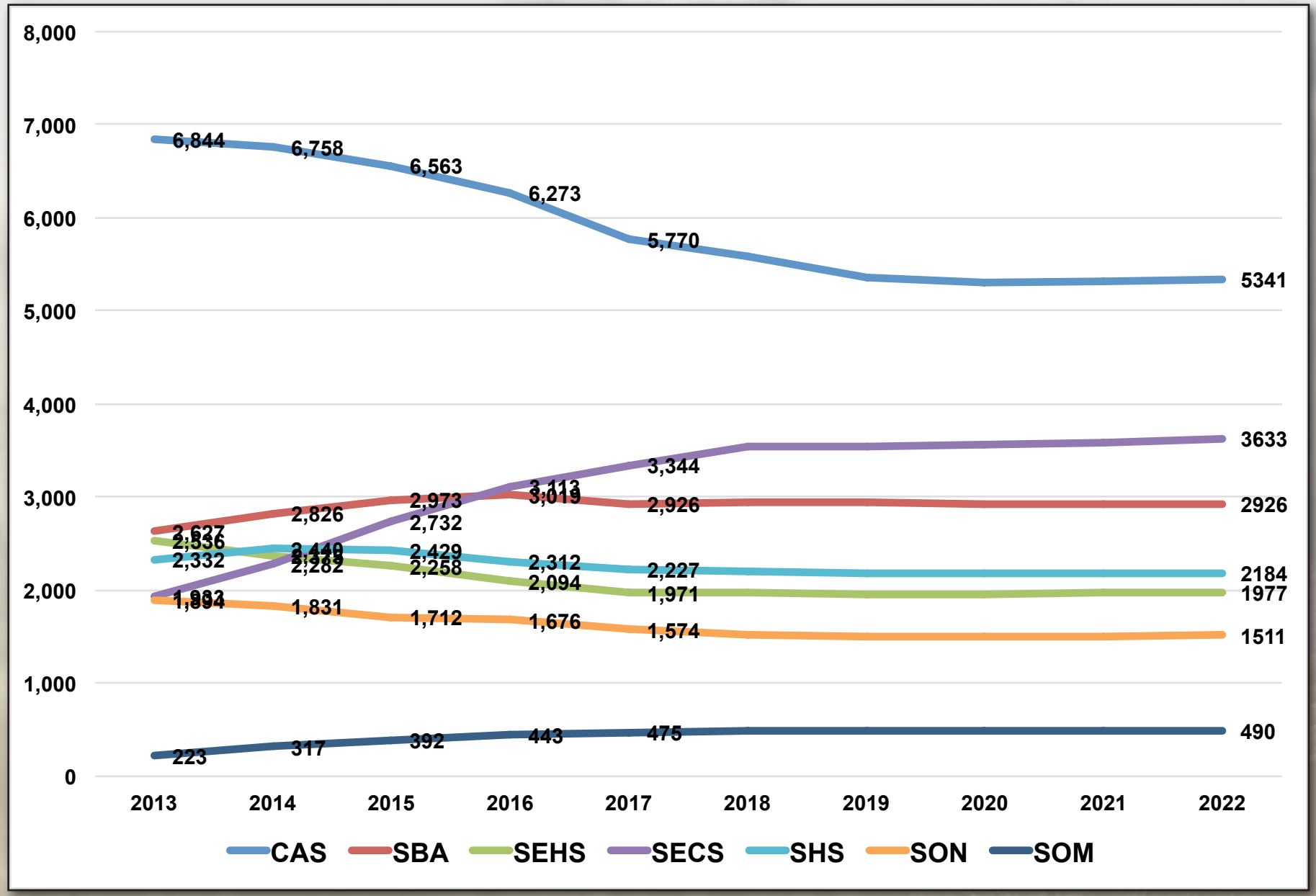
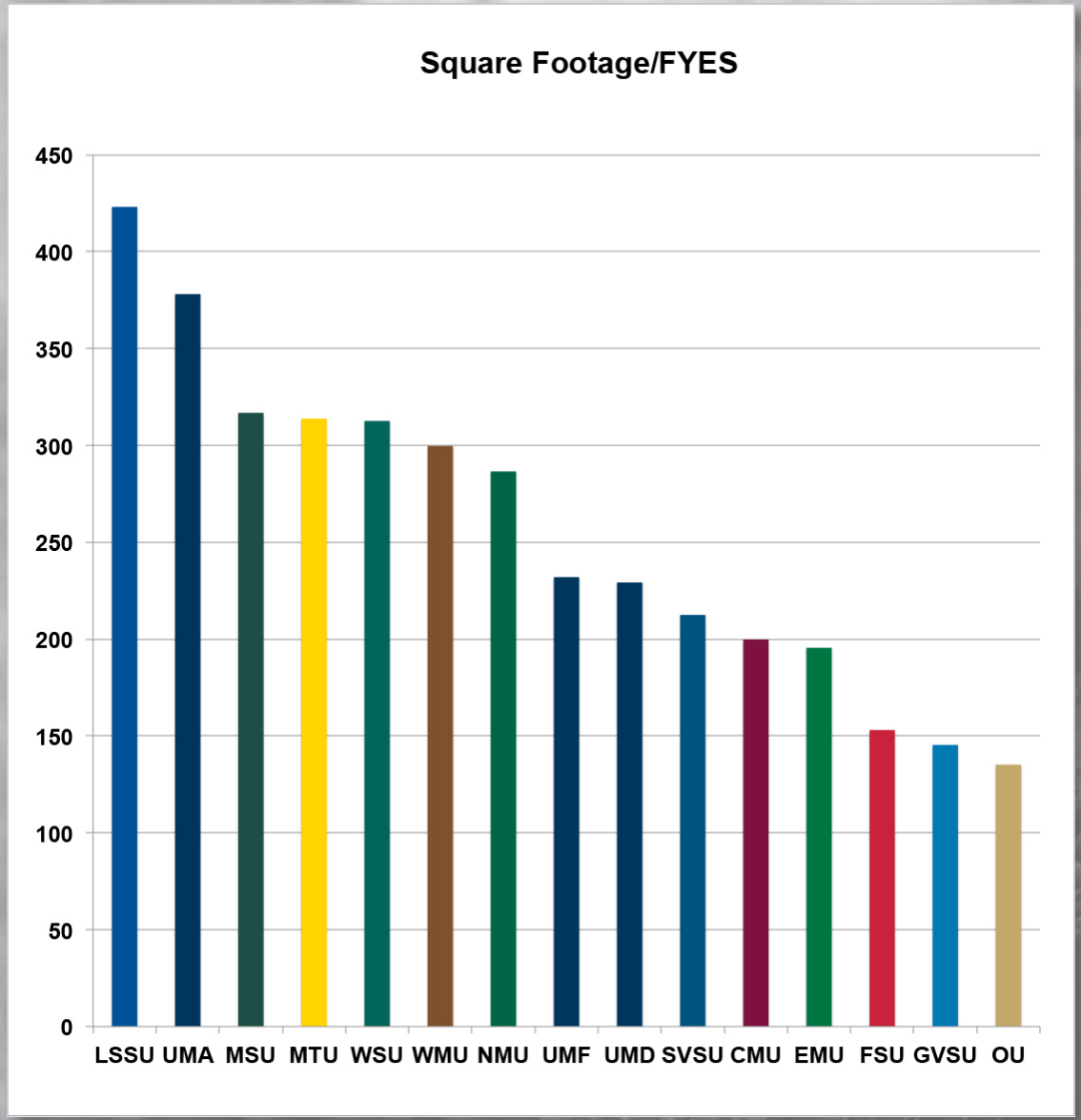


FIGURE 6

General Fund Square Feet per Student in Michigan, FY 2016-2017

University	Total Square Footage	Square Footage/FYES
LSSU	816,613	423.12
UMA	17,291,869	378.08
MSU	14,557,502	316.83
MTU	2,086,837	313.78
WSU	7,037,125	312.62
WMU	5,846,710	299.71
NMU	1,974,706	286.56
UMF	1,494,095	232
UMD	1,582,839	229.25
SVSU	1,677,736	212.51
CMU	4,036,250	199.78
EMU	3,270,134	195.52
FSU	1,781,109	153.06
GVSU	3,325,192	145.39
OU	2,414,949	135.19



Future Staffing Needs

Currently, Oakland University employs 4,669 full- and part-time faculty and staff, as well as 4,784 students and graduate assistants. In addition, there are over 100 employees of contract service providers for food service, bookstore and custodial services.

Average Class Size

Average class size for undergraduate instruction in fall 2017 was 30.43 students. Graduate class size in fall 2015 was 18.39 and Ph.D. classes averaged 11.31 students. It is important to the institutional character that the size of classes remains small. However, larger classes have been a cost-effective way to absorb growth.

Facility Assessment

Utilization Rates

Oakland University has the lowest building square footage per student (Figure 6) among the 15 public universities. A comparison of its enrollment, programmatic mix, doctoral programs and relatively large number of engineering and science programs suggests that the University's space should be closer to the state average. Program by program comparisons to national norms for disciplines indicates that all programs fall short in space. Classroom utilization is high, especially in the evenings due to Oakland's enrollment, which includes a large number of non-traditional students. Demand for evening classes exceeds available facilities.

Mandated Standards

Mandated standards for animal research are met.

Functionality

The limited amount of specialized program space affects overall space functionality. This is particularly evident in the most impacted areas of Nursing, Health Sciences, and the Performing Arts. Recent facility additions for the sciences, nursing, business and education provide good space for programmatic needs. Most academic programs on the Oakland University campus are offered in the following buildings:

North Foundation Hall – Completed in 1959, this is primarily a student services building, but also includes one classroom. The building is receiving a general facelift and significant improvements to the air distribution system.

South Foundation Hall - Completed in 1959, this is primarily a classroom building. As one of the oldest buildings on campus, it hosts the core classrooms for incoming students. Since the building was constructed, emphasis has been placed upon the institution's function rather than form, making academics and growth the main focus of the building, which has remained predominantly classroom-based. To continue to enhance the University's student success initiative, renovation of South Foundation Hall is OU's top priority and the proposed 2019 renovations will not only incorporate new state-of-the-art classrooms, but a collaborative environment that integrates an innovative learning space. This will gradually build a sense of timelessness that links generations of the campus community and is associated with the campus' quality and highly valued physical environment.

Hannah Hall - Completed in 1961, houses science, health science, and engineering laboratories as well as classrooms and offices. Air conditioning was added as part of a major energy project undertaken several years ago. Portions of the building were renovated to accommodate health sciences as part of the State funded Science and Engineering Building.

Kresge Library – Completed in 1961 with additions in 1989. This is the central library for the institution.

Wilson Hall - Completed in 1967, houses the departments of Art and Art History, and Communications and Journalism. It also houses Meadow Brook Theatre and administrative offices.

Dodge Hall - Completed in 1969, houses engineering and biology laboratories, offices, and classrooms. It also provides space for the Eye Research Institute and the administrative/academic computing center.

Varner Hall - Completed in 1970, houses the departments of Music, Theatre and Dance (MTD), History, Political Science, and Sociology/Anthropology. The facilities for MTD are inadequate to meet the needs of their growing programs.

O'Dowd Hall - Completed in 1982, this building houses the Graduate Office, the Registrar, the Departments of English, Writing and Rhetoric, Modern Languages and Literatures, Linguistics, Philosophy, and a number of general purpose classrooms. It is also home to the Oakland University William Beaumont School of Medicine.

Elliott Hall - Completed in 2000, houses the School of Business Administration and Information Technology.

Pawley Hall - Completed in 2002, houses the School of Education and Human Services, as well as the Lowry Child Development Center.

Human Health Building – Completed in Fall, 2012, this 172,825 square foot building houses the School of Health Sciences and the School of Nursing. Collectively, this new enterprise is part of Oakland University's vision of better preparing today's health care students by creating an innovative partnership in one structure. With this building, growth in undergraduate and graduate enrollment is responsive to vital shortages in nursing and heavy demand for health science professionals.

Engineering Center (EC) - Completed in Fall, 2014, this building is designed to provide high quality twenty first century instructional and research facilities for all engineering and computer science programs that are vital to the revival of the economy of Southeast Michigan as well as the State of Michigan in general. This includes supporting the global competitiveness of the US alternative energy, health care and bio-medical, automotive, defense, and other high-tech industries. The EC added 128,000 square feet for the School of Engineering and Computer Science (SECS), as well as 13,500 square feet of assignable general purpose classroom space to support the growth of the overall student population.

Although academic programs are offered in other facilities and there are a number of other service buildings and auxiliary buildings, the above are the major academic facilities. The average age of buildings on the main campus is 30 years old. In general, buildings are in fair condition. Oakland University maintains a comprehensive list of plant renewal and deferred plant renewal projects, which is updated annually.

Replacement Value of Facilities

The replacement value of Oakland University's 3.9 million square feet, including Meadow Brook Hall is estimated at $1.2 billion.

Utility Systems Condition

The utility systems in facilities (i.e., heating, ventilation, air conditioning (HVAC), water, sewage, gas and electrical) are in varying degrees of condition, depending on facility age. All are fully functional, with those in the 30- to 40-year age and beyond group needing upgrades to increase efficiency and effectiveness of operation. The storm water system for some of the facilities surpassed capacity due to unusual 100-year storms and need attention in coming years. The existing water/sewage infrastructure is adequate to serve the projected programming needs for the next 10 years. An upgrade to the electrical substation was completed in 2003, which included cabling, switchgear, and a new substation. This upgrade will meet projected electrical needs for at least 15 years however capacity of the cabling needs to be evaluated as the campus grows in the future. Additional upgrades to infrastructure throughout campus will be required as campus facilities age and enrollment grows.

Many of the older facilities lack fire suppression systems and would be in consideration to update the facilities per current Codes during major renovation projects.

Due to the age of OU's infrastructure, replacement/ upgrade is needed for the underground HTHW lines and HTHW in tunnel. A new HTHW line needs to be installed to complete the south loop from the new Engineering Center to Varner Hall, IT cabling with Voice over IP capabilities, and the infrastructure (HVAC, plumbing and electrical) in the academic buildings (Dodge Hall of Engineering, South Foundation Hall, Hannah Hall of Science, Varner Hall).

Facility Infrastructure Condition

The pavement/sidewalks/structural infrastructure is generally in fair condition. Funds are allocated annually to pavement/sidewalk repair to restore the most deteriorated portions.

Major campus projects included in the next 5-year plan the replacement of old air-handling units, HTHW system upgrade, storm water management, and an upgraded VOIP communication network. A service contract has been in place to maintain new micro-turbines in the new Engineering Center and to maintain the new cogeneration plant in CHP. Oakland budgets $2.25 million for non-routine maintenance in its current fiscal year from the general fund, endowment distribution, and auxiliary operation reserves.

Land

Oakland University's campus includes 1,443 acres. The main campus is approximately 350 acres. The remaining campus includes several major developments (a faculty/staff subdivision, the National Register Meadow Brook Estate, two golf courses), a large amount of wetland, and significant undeveloped acreage. The Campus Master Plan, approved by the Board of Trustees in June 2016, has identified future uses for much of the undeveloped property.

Research District

Buildings Obligated to the State Building Authority

The following buildings/portions of buildings are bonded through State bonds:

Mathematics and Science Center	lease expiration in 2032
Elliott Hall	lease expiration in 2036
Pawley Hall	lease expiration in 2037
Human Health Building	lease expiration in 2048
Engineering Center	lease expiration in 2050

The following facilities are bonded through the University:

Golf course	final payment in 2026
Recreation and Athletic Center	final payment in 2026
Ann V. Nicholson Apartments	final payment in 2031
Electrical Power Upgrade	final payment in 2031
Parking Structure	final payment in 2031
Oakland Center Expansion - 2003	final payment in 2031
Human Health Building	final payment in 2039
Engineering Center	final payment in 2042
Oak View Hall	final payment in 2043
Extension of Library Drive	final payment in 2043
Facilities Management Building	final payment in 2043
Parking Structure #2	final payment in 2043
Upper Playing Fields	final payment in 2043
Oakland Center Expansion - 2018	final payment in 2047
Hillcrest Hall	final payment in 2047

Classroom Utilization Reports

Classroom Utilization Definitions

Square Feet	Assignable Square Feet
Seats	Number of Seats or Stations in Room
WRH	Number of Hours per Week Room was Scheduled
WRH%	WRH / Available Hour per Week
Station Occupancy	% of Seats Used When Room was in Use.

Classroom Summary

Number of Classrooms	123
Total Square Feet	125,759
Total Number of Seats	7,194
Average Classroom Size	1,022 square feet
Average Seats per Room	58

Classroom Utilization Summary by Time Frame

Time Frame	Available Room Hours	Fall 2017			Winter 2018		
		Average WRH	% of Available Hours	Station Occupancy %	Average WRH	% of Available Hours	Station Occupancy %
All Day – 8 a.m. to 10 p.m.	75	44.1	59%	56%	40.4	54%	56%
Daytime – 8 a.m. to 5 p.m.	45	32.9	73%	58%	29.6	66%	58%
Prime Time – 10 a.m. - 3 p.m.	25	20.8	83%	58%	19.2	77%	58%
Off Peak – 8-10 a.m.; 3-5 p.m.	20	12.0	60%	57%	10.4	52%	58%
Evening – 5-10 p.m.	25	11.19	45%	50%	10.8	43%	51%
Saturday [1]	9	4.6	52%	31%	5.3	59%	33%

[1] 12 rooms scheduled at least one week during fall term and 11 rooms scheduled for at least one week winter term. Average WRH is based on rooms scheduled only.

Report 1: All Day Utilization – Fall 2017

- All Day Utilization 8 a.m. to 10 p.m.; Monday-Friday
- 75 Available Hours per Week

Dodge Hall (**DH**)
Engineering Center (**EC**)
Elliott Hall (**EH**)
Hannah Hall (**HH**)
Human Health Building (**HHB**)
Math & Science Center (**MSC**)
North Foundation Hall (**NFH**)
O'Dowd Hall (**ODH**)
Pawley Hall (PH)
South Foundation Hall (**SFH**)
Varner Hall (**VH**)
Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	39.2	52.3%	74.1%
DH	135	947	48	44.0	58.6%	74.3%
DH	136B	470	21	36.0	48.0%	60.8%
DH	200	1,126	95	45.4	60.6%	69.5%
DH	201	3,004	314	47.1	62.7%	50.8%
DH	202	702	52	42.9	57.2%	63.0%
DH	203	990	70	35.8	47.7%	73.6%
DH	204	374	30	47.7	63.6%	61.0%
DH	236	394	30	41.5	55.4%	52.3%
DH	237	389	24	44.0	58.7%	75.4%
EC	116	3,373	200	43.4	57.9%	59.6%
EC	254	2,035	100	41.3	55.1%	63.7%
EC	275	1,333	50	50.7	67.5%	67.0%
EC	279	1,329	50	34.9	46.5%	75.7%
EC	281	1,350	50	50.5	67.3%	65.7%
EH	204	541	30	49.1	65.5%	57.5%
EH	206	523	30	51.1	68.1%	60.6%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	43.5	58.0%	64.2%
EH	210	683	40	46.6	62.2%	61.4%
EH	212	696	40	44.9	59.8%	73.4%
EH	214	902	48	45.1	60.2%	71.0%
EH	235	1,021	40	48.3	64.4%	66.0%
EH	237	1,026	40	56.8	75.7%	56.9%
EH	239	1,018	40	47.1	62.7%	60.9%
EH	242	1,561	60	33.2	44.2%	72.6%
HH	113	921	24	46.0	61.3%	68.2%
HH	123	777	36	53.2	71.0%	62.5%
HH	190	2,131	187	54.4	72.6%	61.3%
HH	195	2,068	187	37.0	49.4%	60.0%
HH	220	548	40	48.2	64.3%	46.7%
HH	225	422	30	39.5	52.7%	55.2%
HH	233	1,348	60	51.4	68.6%	64.6%
HHB	1005	1,828	80	40.6	54.2%	54.2%
HHB	1006	1,563	50	49.3	65.7%	61.2%
HHB	1031	729	25	39.5	52.7%	58.2%
HHB	1050	4,384	200	27.3	36.4%	53.4%
HHB	2023	1,442	50	46.7	62.3%	42.2%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	40.3	53.7%	36.8%
HHB	2086	1,307	60	45.7	60.9%	57.3%
HHB	4043	1,938	80	36.8	49.0%	69.6%
HHB	4050	2,695	112	41.0	54.7%	50.1%
HHB	5036	1,208	50	46.6	62.1%	64.5%
HHB	5037	1,967	80	34.7	46.3%	47.0%
HHB	5045	2,730	112	42.1	56.1%	62.0%
MSC	102	1,170	48	44.6	59.5%	35.5%
MSC	104	1,117	48	46.4	61.8%	55.4%
MSC	120	1,560	72	45.5	60.7%	68.1%
MSC	124	1,839	84	45.2	60.2%	62.7%
MSC	130	624	42	45.2	60.3%	53.9%
MSC	164	1,129	70	48.1	64.1%	70.2%
MSC	168	1,129	70	49.3	65.7%	53.8%
MSC	172	1,129	70	48.3	64.4%	70.7%
MSC	185	828	50	52.0	69.4%	66.9%
MSC	187	542	36	52.0	69.3%	59.2%
MSC	364	422	26	41.0	54.7%	76.6%
MSC	372	961	50	43.5	57.9%	55.7%
MSC	376	613	28	40.0	53.3%	64.3%
MSC	378	613	30	42.2	56.2%	57.6%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	46.6	62.2%	50.2%
MSC	386	606	40	56.0	74.7%	68.9%
MSC	388	605	30	44.0	58.7%	48.2%
MSC	93	574	35	38.0	50.7%	42.0%
NFH	156	1,757	157	37.7	50.3%	57.2%
ODH	202A	1,344	83	42.2	56.3%	51.5%
ODH	202B	1,848	111	33.2	44.3%	81.2%
ODH	202C	1,394	83	39.1	52.1%	55.3%
PH	302	1,660	72	46.6	62.2%	37.9%
PH	306	910	48	50.2	66.9%	43.4%
PH	307	938	49	44.3	59.1%	50.2%
PH	308	910	48	42.7	56.9%	45.5%
PH	309	930	49	42.3	56.4%	55.7%
PH	310	732	36	50.6	67.5%	50.4%
PH	312	738	36	47.1	62.8%	54.8%
PH	314	916	48	50.2	66.9%	51.2%
PH	316	918	48	53.8	71.7%	44.1%
PH	318	910	48	39.4	52.5%	35.9%
PH	320	735	36	43.1	57.5%	62.5%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	51.1	68.1%	57.2%
SFH	164	667	30	39.0	52.1%	48.3%
SFH	165	992	63	56.0	74.7%	77.8%
SFH	166	667	30	56.0	74.7%	48.1%
SFH	167	667	48	53.1	70.8%	49.9%
SFH	168	667	30	45.8	61.0%	49.9%
SFH	169	667	40	45.5	60.7%	60.8%
SFH	170	667	48	54.2	72.3%	51.3%
SFH	171	667	30	46.8	62.3%	32.4%
SFH	172	667	48	42.6	56.9%	51.3%
SFH	173	667	48	47.1	62.8%	34.8%
SFH	174	667	48	53.7	71.6%	40.2%
SFH	176	732	48	45.4	60.5%	42.4%
SFH	263	991	65	43.5	58.1%	66.4%
SFH	265	446	25	34.2	45.6%	46.0%
SFH	266	688	48	49.7	66.3%	42.6%
SFH	268	668	48	46.2	61.6%	45.1%
SFH	269	688	48	48.9	65.2%	47.2%
SFH	270	688	48	33.6	44.9%	41.6%
SFH	271	668	48	49.7	66.3%	42.7%
SFH	272	668	48	41.6	55.4%	38.2%
SFH	273	668	48	40.6	54.1%	45.7%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	33.0	44.0%	49.5%
SFH	276	733	48	17.5	23.4%	47.7%
SFH	363	896	70	40.0	53.3%	78.1%
SFH	364	668	48	50.8	67.7%	23.2%
SFH	365	992	75	43.1	57.5%	45.0%
SFH	366	668	36	49.8	66.5%	28.4%
SFH	367	668	48	35.5	47.3%	37.8%
SFH	368	668	48	39.6	52.8%	57.4%
SFH	369	668	48	42.3	56.3%	44.1%
SFH	370	688	48	37.3	49.7%	56.0%
SFH	371	668	38	49.4	65.9%	33.3%
SFH	372	668	48	36.8	49.1%	54.2%
SFH	373	668	48	40.2	53.6%	58.0%
SFH	374	668	48	33.8	45.1%	43.4%
SFH	376	732	50	53.7	71.6%	41.9%
VAR	205	1,151	85	50.6	67.5%	46.9%
VAR	206	1,184	85	44.2	58.9%	37.0%
VAR	479	998	30	50.2	66.9%	67.5%
WH	102	870	60	45.2	60.3%	58.5%
WH	105	856	60	38.6	51.5%	59.8%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062	85	39.5	52.7%	58.1%
WH	301	306	16	39.5	52.7%	65.3%
WH	313	500	30	46.6	62.1%	54.6%
WH	416	372	15	16.0	21.3%	51.7%
Totals	**123**	**125,759**	**7,194**	**5,419**		
Averages		**1,022**	**58**	**44.1**	**58.7%**	**55.9%**

Report 2: Daytime Utilization - Fall 2017

- Daytime Utilization – 8 a.m. to 5 p.m.; Monday-Friday
- 45 Available Hours per Week

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	WilsonHall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	25.1	55.8%	83.1%
DH	135	947	48	35.2	78.1%	81.7%
DH	136B	470	21	32.0	71.1%	64.3%
DH	200	1,126	95	36.9	81.9%	74.7%
DH	201	3,004	314	40.8	90.7%	54.5%
DH	202	702	52	34.7	77.0%	65.3%
DH	203	990	70	27.7	61.6%	74.6%
DH	204	374	30	33.0	73.3%	74.1%
DH	236	394	30	33.5	74.6%	54.8%
DH	237	389	24	36.0	80.0%	83.8%
EC	116	3,373	200	37.4	83.2%	61.2%
EC	254	2,035	100	32.3	71.7%	65.8%
EC	275	1,333	50	32.7	72.6%	69.5%
EC	279	1,329	50	22.9	50.9%	78.0%
EC	281	1,350	50	36.2	80.5%	59.6%
EH	204	541	30	41.0	91.1%	62.4%
EH	206	523	30	38.0	84.4%	68.6%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	32.9	73.0%	61.7%
EH	210	683	40	33.9	75.4%	62.7%
EH	212	696	40	30.2	67.2%	78.9%
EH	214	902	48	30.9	68.7%	70.3%
EH	235	1,021	40	34.1	75.8%	71.7%
EH	237	1,026	40	39.3	87.4%	59.2%
EH	239	1,018	40	32.9	73.0%	56.1%
EH	242	1,561	60	25.2	56.0%	79.8%
HH	113	921	24	38.4	85.4%	74.6%
HH	123	777	36	40.7	90.4%	69.0%
HH	190	2,131	187	45.6	101.3%	64.6%
HH	195	2,068	187	34.9	77.6%	59.1%
HH	220	548	40	33.0	73.3%	50.0%
HH	225	422	30	31.0	68.9%	63.0%
HH	233	1,348	60	35.4	78.7%	70.1%
HHB	1005	1,828	80	27.0	60.0%	62.3%
HHB	1006	1,563	50	34.9	77.6%	58.7%
HHB	1031	729	25	31.0	68.9%	60.3%
HHB	1050	4,384	200	27.3	60.7%	53.4%
HHB	2023	1,442	50	34.9	77.5%	42.3%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	31.1	69.2%	40.2%
HHB	2086	1,307	60	32.0	71.1%	51.7%
HHB	4043	1,938	80	28.5	63.3%	71.6%
HHB	4050	2,695	112	32.0	71.2%	44.0%
HHB	5036	1,208	50	36.9	82.1%	70.2%
HHB	5037	1,967	80	28.1	62.6%	49.8%
HHB	5045	2,730	112	33.0	73.3%	71.0%
MSC	102	1,170	48	33.0	73.3%	42.9%
MSC	104	1,117	48	32.0	71.1%	61.7%
MSC	120	1,560	72	28.9	64.3%	69.3%
MSC	124	1,839	84	33.1	73.6%	69.6%
MSC	130	624	42	31.0	68.9%	54.2%
MSC	164	1,129	70	35.0	77.8%	73.1%
MSC	168	1,129	70	38.2	84.8%	54.3%
MSC	172	1,129	70	36.3	80.6%	80.2%
MSC	185	828	50	40.0	88.9%	71.2%
MSC	187	542	36	35.0	77.8%	59.8%
MSC	364	422	26	41.0	91.2%	76.6%
MSC	372	961	50	34.4	76.4%	54.7%
MSC	376	613	28	36.0	80.0%	68.3%
MSC	378	613	30	30.9	68.7%	64.9%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	36.0	80.0%	49.7%
MSC	386	606	40	40.0	88.9%	78.5%
MSC	388	605	30	31.0	68.9%	60.9%
MSC	93	574	35	24.0	53.3%	47.9%
NFH	156	1,757	157	32.3	71.8%	55.1%
ODH	202A	1,344	83	31.5	70.1%	50.1%
ODH	202B	1,848	111	28.6	63.6%	86.5%
ODH	202C	1,394	83	31.0	68.9%	51.0%
PH	302	1,660	72	36.0	80.0%	37.5%
PH	306	910	48	35.0	77.8%	47.8%
PH	307	938	49	30.1	67.0%	59.0%
PH	308	910	48	32.0	71.1%	43.8%
PH	309	930	49	28.1	62.4%	63.9%
PH	310	732	36	39.0	86.7%	54.7%
PH	312	738	36	36.0	80.0%	59.0%
PH	314	916	48	35.0	77.8%	50.7%
PH	316	918	48	38.5	85.7%	36.4%
PH	318	910	48	28.5	63.4%	38.6%
PH	320	735	36	32.0	71.1%	64.9%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	35.0	77.8%	53.5%
SFH	164	667	30	35.0	77.8%	48.4%
SFH	165	992	63	38.0	84.4%	69.6%
SFH	166	667	30	39.0	86.7%	44.1%
SFH	167	667	48	38.9	86.5%	53.0%
SFH	168	667	30	30.7	68.2%	51.3%
SFH	169	667	40	35.0	77.8%	67.2%
SFH	170	667	48	39.0	86.7%	56.0%
SFH	171	667	30	38.8	86.1%	25.3%
SFH	172	667	48	31.0	68.9%	54.8%
SFH	173	667	48	31.0	68.9%	41.2%
SFH	174	667	48	38.0	84.4%	41.7%
SFH	176	732	48	31.0	68.9%	37.6%
SFH	263	991	65	35.0	77.8%	62.1%
SFH	265	446	25	23.3	51.7%	52.0%
SFH	266	688	48	35.0	77.8%	39.9%
SFH	268	668	48	32.0	71.1%	40.1%
SFH	269	688	48	32.7	72.7%	47.7%
SFH	270	688	48	26.5	59.0%	40.2%
SFH	271	668	48	36.0	80.0%	43.3%
SFH	272	668	48	30.9	68.7%	43.0%
SFH	273	668	48	29.9	66.5%	49.9%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	29.9	66.5%	50.8%
SFH	276	733	48	10.9	24.3%	45.5%
SFH	363	896	70	24.0	53.3%	68.1%
SFH	364	668	48	38.8	86.1%	17.9%
SFH	365	992	75	36.0	80.0%	48.0%
SFH	366	668	36	38.8	86.1%	23.3%
SFH	367	668	48	25.8	57.4%	43.6%
SFH	368	668	48	26.9	59.8%	60.2%
SFH	369	668	48	27.5	61.2%	49.0%
SFH	370	688	48	24.6	54.7%	54.0%
SFH	371	668	38	38.8	86.1%	34.2%
SFH	372	668	48	27.1	60.3%	53.5%
SFH	373	668	48	27.0	60.0%	51.1%
SFH	374	668	48	24.2	53.7%	42.4%
SFH	376	732	50	40.0	88.9%	40.4%
VAR	205	1,151	85	39.0	86.7%	49.2%
VAR	206	1,184	85	30.0	66.7%	46.0%
VAR	479	998	30	35.0	77.8%	76.7%
WH	102	870	60	32.0	71.1%	60.6%
WH	105	856	60	27.0	60.0%	52.3%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062	85	35.0	77.8%	59.6%
WH	301	306	16	31.0	68.9%	70.6%
WH	313	500	30	35.0	77.8%	56.0%
WH	416	372	15	16.0	35.6%	51.7%
Totals	**123**	**125,759**	**7,194**	**4,042**		
Averages		**1,022**	**58**	**32.9**	**73.0%**	**57.7%**

Report 3: Prime Time Utilization - Fall 2017

- Prime Time Utilization 10 a.m. to 3 p.m.; Monday-Friday
- 25 Available Hours per Week

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	20.1	80.5%	82.2%
DH	135	947	48	22.1	88.6%	80.9%
DH	136B	470	21	19.0	76.0%	54.4%
DH	200	1,126	95	23.9	95.5%	82.3%
DH	201	3,004	314	22.3	89.1%	53.3%
DH	202	702	52	22.0	88.0%	67.3%
DH	203	990	70	18.9	75.7%	75.2%
DH	204	374	30	23.0	92.0%	73.6%
DH	236	394	30	22.0	88.0%	60.9%
DH	237	389	24	19.0	76.0%	87.5%
EC	116	3,373	200	21.4	85.7%	52.0%
EC	254	2,035	100	21.6	86.4%	63.5%
EC	275	1,333	50	20.6	82.6%	71.9%
EC	279	1,329	50	14.9	59.6%	68.6%
EC	281	1,350	50	22.3	89.0%	56.6%
EH	204	541	30	23.0	92.0%	53.2%
EH	206	523	30	23.0	92.0%	72.0%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	20.9	83.7%	56.0%
EH	210	683	40	22.0	88.0%	70.7%
EH	212	696	40	18.6	74.4%	80.5%
EH	214	902	48	16.9	67.7%	76.8%
EH	235	1,021	40	21.1	84.5%	76.6%
EH	237	1,026	40	24.3	97.3%	57.4%
EH	239	1,018	40	20.9	83.7%	51.8%
EH	242	1,561	60	19.2	76.8%	90.2%
HH	113	921	24	23.0	92.0%	70.1%
HH	123	777	36	22.0	88.0%	74.0%
HH	190	2,131	187	24.9	99.7%	65.8%
HH	195	2,068	187	21.9	87.6%	62.6%
HH	220	548	40	23.0	92.0%	51.9%
HH	225	422	30	23.0	92.0%	59.7%
HH	233	1,348	60	22.4	89.7%	77.6%
HHB	1005	1,828	80	14.0	56.0%	57.0%
HHB	1006	1,563	50	20.9	83.7%	57.6%
HHB	1031	729	25	22.0	88.0%	61.1%
HHB	1050	4,384	200	15.1	60.4%	56.5%
HHB	2023	1,442	50	21.7	86.7%	37.5%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	21.8	87.3%	43.9%
HHB	2086	1,307	60	23.0	92.0%	55.4%
HHB	4043	1,938	80	22.0	88.0%	81.9%
HHB	4050	2,695	112	19.0	76.2%	35.5%
HHB	5036	1,208	50	20.4	81.5%	72.0%
HHB	5037	1,967	80	19.1	76.6%	54.8%
HHB	5045	2,730	112	20.2	81.0%	68.9%
MSC	102	1,170	48	20.0	80.0%	41.3%
MSC	104	1,117	48	22.3	89.3%	63.7%
MSC	120	1,560	72	20.9	83.7%	68.1%
MSC	124	1,839	84	24.1	96.4%	72.4%
MSC	130	624	42	22.0	88.0%	58.4%
MSC	164	1,129	70	22.0	88.0%	69.1%
MSC	168	1,129	70	22.0	88.0%	62.3%
MSC	172	1,129	70	24.1	96.4%	83.2%
MSC	185	828	50	23.0	92.0%	78.2%
MSC	187	542	36	22.0	88.0%	55.3%
MSC	364	422	26	24.0	96.2%	68.1%
MSC	372	961	50	17.4	69.6%	51.7%
MSC	376	613	28	23.0	92.0%	67.5%
MSC	378	613	30	19.0	76.0%	71.8%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	19.0	76.0%	56.1%
MSC	386	606	40	23.0	92.0%	78.8%
MSC	388	605	30	23.0	92.0%	60.7%
MSC	93	574	35	19.3	77.3%	52.1%
NFH	156	1,757	157	16.2	64.9%	47.8%
ODH	202A	1,344	83	20.3	81.3%	52.5%
ODH	202B	1,848	111	17.2	68.8%	85.3%
ODH	202C	1,394	83	22.0	88.0%	47.1%
PH	302	1,660	72	23.0	92.0%	33.9%
PH	306	910	48	22.0	88.0%	48.1%
PH	307	938	49	16.1	64.6%	56.3%
PH	308	910	48	23.0	92.0%	42.5%
PH	309	930	49	15.8	63.3%	63.8%
PH	310	732	36	22.0	88.0%	55.6%
PH	312	738	36	23.0	92.0%	56.9%
PH	314	916	48	22.0	88.0%	43.8%
PH	316	918	48	19.7	78.7%	34.0%
PH	318	910	48	15.6	62.2%	54.1%
PH	320	735	36	19.0	76.0%	76.6%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	23.0	92.0%	46.4%
SFH	164	667	30	23.0	92.0%	51.4%
SFH	165	992	63	22.0	88.0%	70.4%
SFH	166	667	30	22.0	88.0%	29.4%
SFH	167	667	48	23.0	92.0%	47.9%
SFH	168	667	30	20.7	82.7%	42.6%
SFH	169	667	40	22.0	88.0%	72.7%
SFH	170	667	48	22.0	88.0%	60.0%
SFH	171	667	30	24.5	98.0%	27.5%
SFH	172	667	48	22.0	88.0%	58.5%
SFH	173	667	48	22.0	88.0%	44.7%
SFH	174	667	48	22.0	88.0%	42.8%
SFH	176	732	48	22.0	88.0%	31.1%
SFH	263	991	65	22.0	88.0%	60.8%
SFH	265	446	25	16.8	67.0%	55.3%
SFH	266	688	48	22.0	88.0%	33.3%
SFH	268	668	48	23.0	92.0%	38.9%
SFH	269	688	48	20.7	82.9%	48.5%
SFH	270	688	48	20.7	82.7%	42.9%
SFH	271	668	48	23.0	92.0%	44.2%
SFH	272	668	48	23.0	92.0%	41.9%
SFH	273	668	48	22.0	88.0%	43.2%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	22.0	88.0%	49.4%
SFH	276	733	48	10.9	43.7%	45.5%
SFH	363	896	70	18.0	72.0%	71.9%
SFH	364	668	48	24.5	98.0%	21.6%
SFH	365	992	75	23.0	92.0%	52.9%
SFH	366	668	36	24.5	98.0%	20.4%
SFH	367	668	48	21.3	85.0%	43.8%
SFH	368	668	48	20.4	81.6%	56.9%
SFH	369	668	48	21.0	84.0%	54.4%
SFH	370	688	48	15.7	62.7%	51.2%
SFH	371	668	38	24.5	98.0%	31.2%
SFH	372	668	48	15.6	62.4%	43.0%
SFH	373	668	48	20.0	80.0%	45.2%
SFH	374	668	48	11.9	47.5%	47.2%
SFH	376	732	50	23.0	92.0%	43.4%
VAR	205	1,151	85	22.0	88.0%	51.9%
VAR	206	1,184	85	19.0	76.0%	53.2%
VAR	479	998	30	22.0	88.0%	74.5%
WH	102	870	60	19.0	76.0%	66.9%
WH	105	856	60	18.0	72.0%	50.4%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062	85	18.0	72.0%	67.6%
WH	301	306	16	18.0	72.0%	78.5%
WH	313	500	30	22.0	88.0%	54.2%
WH	416	372	15	16.0	64.0%	51.7%
Totals	123	125,759	7,194	2,564		
Averages		1,022	58	20.8	83.4%	57.9%

Report 4: Off Peak Utilization - Fall 2017

- Off Peak Utilization 8-10 a.m; 3-5 p.m.; Monday-Friday
- 20 Available Hours per Week.

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	5.0	25.0%	86.7%
DH	135	947	48	13.0	65.0%	83.2%
DH	136B	470	21	13.0	65.0%	78.8%
DH	200	1,126	95	13.0	65.0%	60.7%
DH	201	3,004	314	18.5	92.6%	55.8%
DH	202	702	52	12.7	63.3%	61.9%
DH	203	990	70	8.8	44.0%	73.2%
DH	204	374	30	10.0	50.0%	75.3%
DH	236	394	30	11.5	57.7%	43.2%
DH	237	389	24	17.0	85.0%	79.7%
EC	116	3,373	200	16.0	80.0%	73.6%
EC	254	2,035	100	10.7	53.4%	70.4%
EC	275	1,333	50	12.0	60.0%	65.3%
EC	279	1,329	50	8.0	40.0%	95.5%
EC	281	1,350	50	14.0	69.9%	64.4%
EH	204	541	30	18.0	90.0%	74.1%
EH	206	523	30	15.0	75.0%	63.3%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	11.9	59.7%	71.5%
EH	210	683	40	11.9	59.7%	48.0%
EH	212	696	40	11.6	58.2%	76.4%
EH	214	902	48	14.0	70.0%	62.5%
EH	235	1,021	40	13.0	65.0%	63.8%
EH	237	1,026	40	15.0	75.0%	62.0%
EH	239	1,018	40	11.9	59.7%	63.6%
EH	242	1,561	60	6.0	30.0%	46.7%
HH	113	921	24	15.4	77.2%	81.4%
HH	123	777	36	18.7	93.3%	63.0%
HH	190	2,131	187	20.7	103.3%	63.2%
HH	195	2,068	187	13.0	65.0%	53.1%
HH	220	548	40	10.0	50.0%	45.6%
HH	225	422	30	8.0	40.0%	72.5%
HH	233	1,348	60	13.0	65.0%	57.2%
HHB	1005	1,828	80	13.0	65.0%	68.1%
HHB	1006	1,563	50	14.0	70.0%	60.2%
HHB	1031	729	25	9.0	45.0%	58.2%
HHB	1050	4,384	200	12.2	61.1%	49.7%
HHB	2023	1,442	50	13.2	66.1%	50.2%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	9.3	46.6%	31.6%
HHB	2086	1,307	60	9.0	45.0%	42.0%
HHB	4043	1,938	80	6.5	32.5%	36.5%
HHB	4050	2,695	112	13.0	65.0%	56.5%
HHB	5036	1,208	50	16.6	82.8%	68.1%
HHB	5037	1,967	80	9.0	45.0%	39.0%
HHB	5045	2,730	112	12.8	63.8%	74.4%
MSC	102	1,170	48	13.0	65.0%	45.4%
MSC	104	1,117	48	9.7	48.4%	57.0%
MSC	120	1,560	72	8.0	40.0%	72.6%
MSC	124	1,839	84	9.0	45.0%	62.2%
MSC	130	624	42	9.0	45.0%	43.9%
MSC	164	1,129	70	13.0	65.0%	79.8%
MSC	168	1,129	70	16.2	80.8%	43.3%
MSC	172	1,129	70	12.1	60.7%	74.4%
MSC	185	828	50	17.0	85.0%	61.8%
MSC	187	542	36	13.0	65.0%	67.3%
MSC	364	422	26	17.0	85.0%	88.5%
MSC	372	961	50	17.0	85.0%	57.8%
MSC	376	613	28	13.0	65.0%	69.5%
MSC	378	613	30	11.9	59.7%	54.0%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	17.0	85.0%	42.6%
MSC	386	606	40	17.0	85.0%	78.1%
MSC	388	605	30	8.0	40.0%	61.3%
MSC	93	574	35	4.7	23.4%	30.2%
NFH	156	1,757	157	16.1	80.5%	62.4%
ODH	202A	1,344	83	11.2	56.1%	45.6%
ODH	202B	1,848	111	11.4	57.2%	88.2%
ODH	202C	1,394	83	9.0	45.0%	60.4%
PH	302	1,660	72	13.0	65.0%	43.8%
PH	306	910	48	13.0	65.0%	47.3%
PH	307	938	49	14.0	70.0%	62.1%
PH	308	910	48	9.0	45.0%	47.0%
PH	309	930	49	12.3	61.3%	64.2%
PH	310	732	36	17.0	85.0%	53.6%
PH	312	738	36	13.0	65.0%	62.6%
PH	314	916	48	13.0	65.0%	62.3%
PH	316	918	48	18.9	94.4%	38.9%
PH	318	910	48	13.0	65.0%	20.0%
PH	320	735	36	13.0	65.0%	47.9%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	12.0	60.0%	67.2%
SFH	164	667	30	12.0	60.0%	42.5%
SFH	165	992	63	16.0	80.0%	68.5%
SFH	166	667	30	17.0	85.0%	63.1%
SFH	167	667	48	15.9	79.7%	60.2%
SFH	168	667	30	10.0	50.0%	69.3%
SFH	169	667	40	13.0	65.0%	57.9%
SFH	170	667	48	17.0	85.0%	50.9%
SFH	171	667	30	14.3	71.3%	21.7%
SFH	172	667	48	9.0	45.0%	45.8%
SFH	173	667	48	9.0	45.0%	32.6%
SFH	174	667	48	16.0	80.0%	40.2%
SFH	176	732	48	9.0	45.0%	53.5%
SFH	263	991	65	13.0	65.0%	64.1%
SFH	265	446	25	6.5	32.5%	43.5%
SFH	266	688	48	13.0	65.0%	51.1%
SFH	268	668	48	9.0	45.0%	43.3%
SFH	269	688	48	12.0	60.0%	46.4%
SFH	270	688	48	5.9	29.4%	30.7%
SFH	271	668	48	13.0	65.0%	41.7%
SFH	272	668	48	7.9	39.7%	46.0%
SFH	273	668	48	7.9	39.7%	68.4%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	7.9	39.7%	54.4%
SFH	276	733	48	0.0	0.0%	#DIV/0!
SFH	363	896	70	6.0	30.0%	56.7%
SFH	364	668	48	14.3	71.3%	11.5%
SFH	365	992	75	13.0	65.0%	39.3%
SFH	366	668	36	14.3	71.3%	28.4%
SFH	367	668	48	4.5	22.7%	42.8%
SFH	368	668	48	6.5	32.4%	70.5%
SFH	369	668	48	6.5	32.7%	31.6%
SFH	370	688	48	8.9	44.7%	59.0%
SFH	371	668	38	14.3	71.3%	39.3%
SFH	372	668	48	11.5	57.7%	67.8%
SFH	373	668	48	7.0	35.0%	67.9%
SFH	374	668	48	12.3	61.4%	37.7%
SFH	376	732	50	17.0	85.0%	36.4%
VAR	205	1,151	85	17.0	85.0%	45.7%
VAR	206	1,184	85	11.0	55.0%	33.5%
VAR	479	998	30	13.0	65.0%	80.3%
WH	102	870	60	13.0	65.0%	51.4%
WH	105	856	60	9.0	45.0%	56.3%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062	85	17.0	85.0%	51.1%
WH	301	306	16	13.0	65.0%	59.6%
WH	313	500	30	13.0	65.0%	59.0%
WH	416	372	15	0.0	0.0%	0.0%
Totals	123	125,759	7,194	1,479		
Averages		1,022	58	12.0	60.1%	57.4%

Report 5: Evening Utilization - Fall 2017

- Evening Utilization 5-10 p.m.; Monday-Friday
- 25 Available Hours per Week

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1741	92	14.10	56.4%	58.1%
DH	135	947	48	8.82	35.3%	45.0%
DH	136B	470	21	4.00	16.0%	33.3%
DH	200	1126	95	8.55	34.2%	47.4%
DH	201	3004	314	6.26	25.0%	27.1%
DH	202	702	52	8.22	32.9%	52.9%
DH	203	990	70	8.05	32.2%	70.1%
DH	204	374	30	14.72	58.9%	31.5%
DH	236	394	30	8.00	32.0%	41.7%
DH	237	389	24	8.00	32.0%	37.5%
EC	116	3373	200	6.00	24.0%	49.1%
EC	254	2035	100	9.05	36.2%	56.1%
EC	275	1333	50	18.00	72.0%	62.4%
EC	279	1329	50	12.00	48.0%	71.3%
EC	281	1350	50	14.25	57.0%	81.2%
EH	204	541	30	8.10	32.4%	32.7%
EH	206	523	30	13.10	52.4%	37.5%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	10.65	42.6%	72.2%
EH	210	683	40	12.70	50.8%	58.0%
EH	212	696	40	14.63	58.5%	62.0%
EH	214	902	48	14.20	56.8%	72.4%
EH	235	1021	40	14.20	56.8%	52.2%
EH	237	1026	40	17.42	69.7%	51.7%
EH	239	1018	40	14.20	56.8%	72.0%
EH	242	1561	60	7.98	31.9%	49.7%
HH	113	921	24	7.55	30.2%	35.5%
HH	123	777	36	12.55	50.2%	41.4%
HH	190	2131	187	8.86	35.4%	44.5%
HH	195	2068	187	2.13	8.5%	75.4%
HH	220	548	40	15.20	60.8%	39.7%
HH	225	422	30	8.55	34.2%	26.7%
HH	233	1348	60	16.00	64.0%	52.5%
HHB	1005	1828	80	13.65	54.6%	38.1%
HHB	1006	1563	50	14.37	57.5%	67.5%
HHB	1031	729	25	8.55	34.2%	50.5%
HHB	1050	4384	200	0.00	0.0%	
HHB	2023	1442	50	11.82	47.3%	41.9%

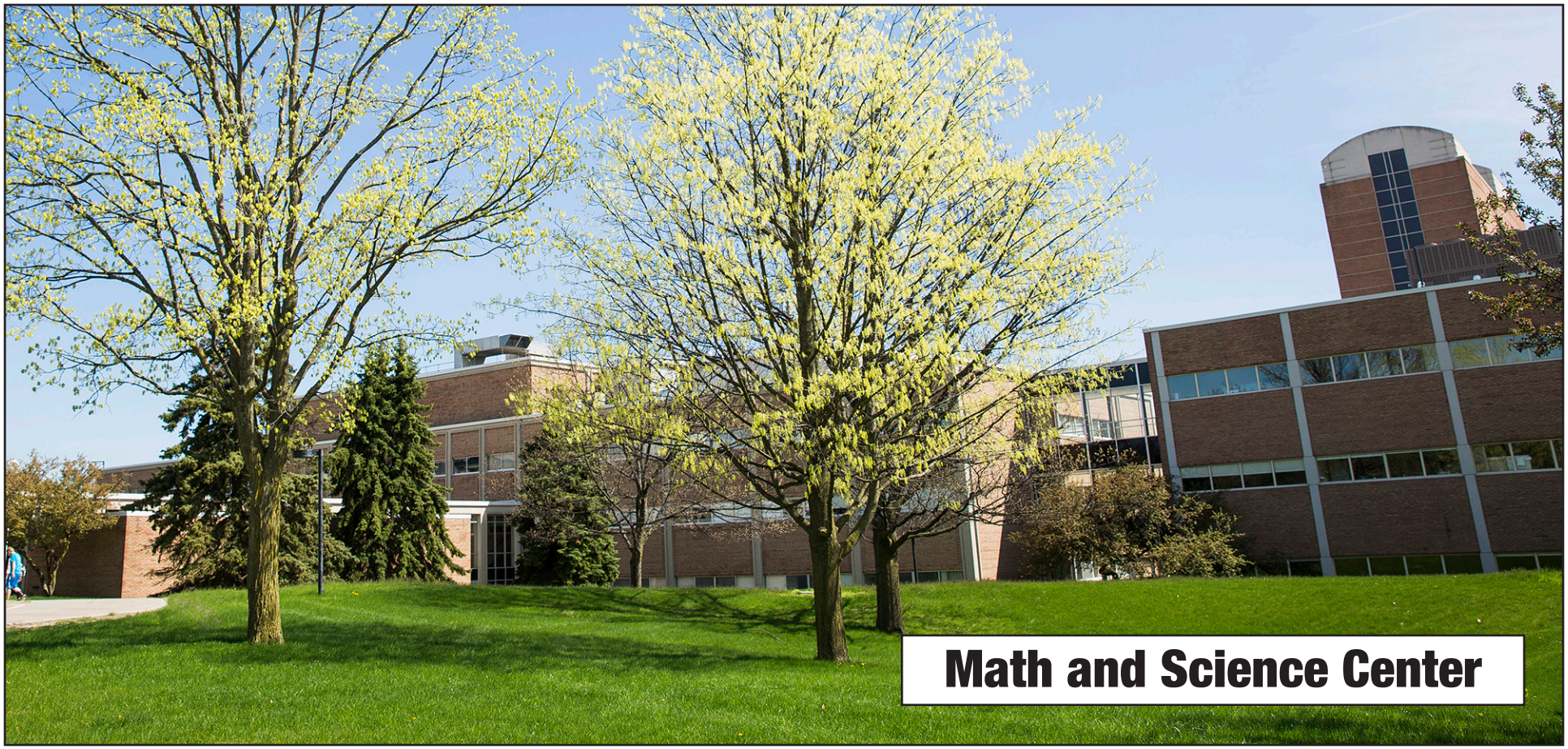
Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1213	55	9.10	36.4%	24.9%
HHB	2086	1307	60	13.70	54.8%	70.5%
HHB	4043	1938	80	8.27	33.1%	62.7%
HHB	4050	2695	112	9.00	36.0%	72.0%
HHB	5036	1208	50	9.65	38.6%	42.6%
HHB	5037	1967	80	6.55	26.2%	34.9%
HHB	5045	2730	112	9.10	36.4%	29.1%
MSC	102	1170	48	11.65	46.6%	14.6%
MSC	104	1117	48	14.37	57.5%	41.4%
MSC	120	1560	72	16.60	66.4%	66.0%
MSC	124	1839	84	12.05	48.2%	43.5%
MSC	130	624	42	14.20	56.8%	53.3%
MSC	164	1129	70	13.10	52.4%	62.5%
MSC	168	1129	70	11.15	44.6%	52.3%
MSC	172	1129	70	12.05	48.2%	42.0%
MSC	185	828	50	12.03	48.1%	52.4%
MSC	187	542	36	17.00	68.0%	58.0%
MSC	364	422	26	0.00	0.0%	
MSC	372	961	50	9.05	36.2%	59.5%
MSC	376	613	28	4.00	16.0%	28.6%
MSC	378	613	30	11.22	44.9%	37.4%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	10.65	42.6%	51.5%
MSC	386	606	40	16.00	64.0%	45.0%
MSC	388	605	30	13.00	52.0%	17.9%
MSC	93	574	35	14.00	56.0%	31.8%
NFH	156	1757	157	5.37	21.5%	70.2%
ODH	202A	1344	83	10.65	42.6%	55.8%
ODH	202B	1848	111	4.55	18.2%	47.8%
ODH	202C	1394	83	8.10	32.4%	72.1%
PH	302	1660	72	10.65	42.6%	39.4%
PH	306	910	48	15.20	60.8%	33.4%
PH	307	938	49	14.20	56.8%	31.6%
PH	308	910	48	10.65	42.6%	50.7%
PH	309	930	49	14.20	56.8%	39.3%
PH	310	732	36	11.65	46.6%	36.1%
PH	312	738	36	11.10	44.4%	41.3%
PH	314	916	48	15.20	60.8%	52.4%
PH	316	918	48	15.20	60.8%	63.5%
PH	318	910	48	10.82	43.3%	28.9%
PH	320	735	36	11.10	44.4%	55.3%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	16.10	64.4%	65.4%
SFH	164	667	30	4.05	16.2%	47.4%
SFH	165	992	63	18.00	72.0%	95.1%
SFH	166	667	30	17.00	68.0%	57.3%
SFH	167	667	48	14.20	56.8%	41.7%
SFH	168	667	30	15.10	60.4%	47.1%
SFH	169	667	40	10.55	42.2%	39.5%
SFH	170	667	48	15.20	60.8%	39.0%
SFH	171	667	30	8.00	32.0%	66.7%
SFH	172	667	48	11.65	46.6%	41.7%
SFH	173	667	48	16.10	64.4%	22.6%
SFH	174	667	48	15.70	62.8%	36.6%
SFH	176	732	48	14.37	57.5%	52.8%
SFH	263	991	65	8.55	34.2%	84.1%
SFH	265	446	25	10.98	43.9%	33.3%
SFH	266	688	48	14.70	58.8%	49.1%
SFH	268	668	48	14.20	56.8%	56.3%
SFH	269	688	48	16.20	64.8%	46.0%
SFH	270	688	48	7.10	28.4%	46.9%
SFH	271	668	48	13.70	54.8%	41.2%
SFH	272	668	48	10.65	42.6%	24.3%
SFH	273	668	48	10.65	42.6%	34.0%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	3.05	12.2%	37.5%
SFH	276	733	48	6.60	26.4%	51.5%
SFH	363	896	70	16.00	64.0%	93.2%
SFH	364	668	48	12.00	48.0%	40.3%
SFH	365	992	75	7.10	28.4%	30.0%
SFH	366	668	36	11.10	44.4%	46.2%
SFH	367	668	48	9.65	38.6%	22.2%
SFH	368	668	48	12.70	50.8%	51.5%
SFH	369	668	48	14.70	58.8%	34.9%
SFH	370	688	48	12.70	50.8%	59.8%
SFH	371	668	38	10.65	42.6%	29.8%
SFH	372	668	48	9.65	38.6%	55.9%
SFH	373	668	48	13.20	52.8%	72.3%
SFH	374	668	48	9.65	38.6%	45.9%
SFH	376	732	50	13.70	54.8%	46.5%
VAR	205	1151	85	11.65	46.6%	39.2%
VAR	206	1184	85	14.20	56.8%	17.9%
VAR	479	998	30	15.20	60.8%	46.4%
WH	102	870	60	13.20	52.8%	53.3%
WH	105	856	60	11.60	46.4%	77.1%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1062	85	4.55	18.2%	47.2%
WH	301	306	16	8.55	34.2%	46.2%
WH	313	500	30	11.60	46.4%	50.3%
WH	416	372	15	0.00	0.0%	0.0%
Totals	123	125,759	7,194	1,376		
Averages		1,022	58	11.19	44.8%	49.9%



Report 6: Saturday Utilization - Fall 2017

- Saturday Utilization 8 a.m. to 5 p.m.
- 9 Available Hours per Week
- 12 rooms had a class meeting at least one week during the term. The following table lists these rooms, number of Saturdays scheduled, and the average hours used when the room was scheduled.

Building	Room	Square Feet	Seats	# of Saturdays Scheduled During Term	Avg WRH	WRH% of Available Hours	Station Occupancy %
DH	204	374	30	13	3.7	41%	20%
EH	204	541	30	7	3.5	39%	20%
EH	206	523	30	6	3.5	39%	17%
EH	235	1,021	40	3	5.2	58%	13%
EH	237	1,026	40	8	8.5	94%	37%
HH	113	921	24	13	4.0	45%	42%
MSC	364	422	26	13	3.7	41%	15%
PH	310	732	36	13	3.7	41%	39%
PH	312	738	36	8	6.5	72%	28%
PH	320	735	36	2	6.2	69%	33%
SFH	166	667	30	13	3.5	39%	20%
SFH	168	667	30	13	3.5	39%	80%
Totals/ Averages	12	8,367	388	112	4.6	52%	31%

Report 7: All Day Utilization – Winter 2018

- All Day Utilization 8 a.m. to 10 p.m.; Monday-Friday
- 75 Available Hours per Week

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	39.3	52.30%	60.70%
DH	135	947	48	46.3	61.70%	71.90%
DH	136B	470	21	40	53.30%	57.60%
DH	200	1,126	95	31.5	42.10%	60.30%
DH	201	3,004	314	27.1	36.20%	45.00%
DH	202	702	52	32.1	42.70%	69.00%
DH	203	990	70	28.2	37.60%	61.70%
DH	204	374	30	40	53.30%	58.00%
DH	236	394	30	28	37.30%	62.90%
DH	237	389	24	53.5	71.40%	73.40%
EC	116	3,373	200	35.6	47.40%	51.20%
EC	254	2,035	100	45.3	60.40%	55.80%
EC	275	1,333	50	48	64.00%	75.80%
EC	279	1,329	50	41.5	55.40%	67.20%
EC	281	1,350	50	42.1	56.10%	68.10%
EH	204	541	30	51.1	68.10%	49.90%
EH	206	523	30	54.7	73.00%	69.60%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	32.6	43.40%	63.70%
EH	210	683	40	47.8	63.80%	65.60%
EH	212	696	40	43.3	57.80%	74.60%
EH	214	902	48	46.6	62.10%	64.20%
EH	235	1,021	40	34.6	46.10%	85.50%
EH	237	1,026	40	43.1	57.40%	62.10%
EH	239	1,018	40	42.1	56.10%	75.60%
EH	242	1,561	60	48.2	64.30%	57.60%
HH	113	921	24	50.2	66.90%	63.40%
HH	123	777	36	51.1	68.10%	73.00%
HH	190	2,131	187	48.4	64.50%	63.40%
HH	195	2,068	187	41.6	55.40%	61.60%
HH	220	548	40	41.3	55.10%	52.70%
HH	225	422	30	27.5	36.70%	66.40%
HH	233	1,348	60	40	53.30%	62.50%
HHB	1005	1,828	80	39.2	52.20%	64.10%
HHB	1006	1,563	50	42.9	57.20%	59.30%
HHB	1031	729	25	34.2	45.60%	54.70%
HHB	1050	4,384	200	30.5	40.70%	57.00%
HHB	2023	1,442	50	38.8	51.70%	52.30%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	36.9	49.20%	49.20%
HHB	2086	1,307	60	44.8	59.70%	60.40%
HHB	4043	1,938	80	24.7	32.90%	45.00%
HHB	4050	2,695	112	29.5	39.40%	72.60%
HHB	5036	1,208	50	49.4	65.90%	63.10%
HHB	5037	1,967	80	33	43.90%	42.90%
HHB	5045	2,730	112	36.5	48.70%	71.80%
MSC	102	1,170	48	48.3	64.50%	48.40%
MSC	104	1,117	48	47.1	62.80%	52.00%
MSC	120	1,560	72	43.5	58.10%	57.70%
MSC	124	1,839	84	36.7	48.90%	63.40%
MSC	130	624	42	44.1	58.80%	56.30%
MSC	164	1,129	70	51.1	68.20%	75.90%
MSC	168	1,129	70	47.1	62.80%	71.30%
MSC	172	1,129	70	53.2	70.90%	75.50%
MSC	185	828	50	47.1	62.80%	76.40%
MSC	187	542	36	45.2	60.30%	49.20%
MSC	364	422	26	41.2	54.90%	52.60%
MSC	372	961	50	44.2	58.90%	57.20%
MSC	376	613	28	47.5	63.40%	56.00%
MSC	378	613	30	32	42.70%	62.90%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	47	62.70%	61.60%
MSC	386	606	40	46.6	62.10%	58.50%
MSC	388	605	30	50.7	67.50%	64.60%
MSC	93	574	35	40.4	53.90%	50.30%
NFH	156	1,757	157	43.8	58.40%	41.80%
ODH	202A	1,344	83	17.5	23.40%	49.30%
ODH	202B	1,848	111	29.4	39.20%	67.80%
ODH	202C	1,394	83	24.2	32.20%	55.20%
PH	302	1,660	72	29.8	39.80%	53.60%
PH	306	910	48	42.7	56.90%	60.20%
PH	307	938	49	34.2	45.60%	39.20%
PH	308	910	48	41.7	55.60%	42.90%
PH	309	930	49	28.2	37.60%	55.50%
PH	310	732	36	46.2	61.60%	53.20%
PH	312	738	36	41.4	55.20%	61.30%
PH	314	916	48	37.8	50.30%	44.30%
PH	316	918	48	29.1	38.80%	51.40%
PH	318	910	48	41.8	55.70%	42.20%
PH	320	735	36	44.3	59.10%	62.90%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	36	48.00%	74.20%
SFH	164	667	30	48	64.00%	51.40%
SFH	165	992	63	43.1	57.50%	74.50%
SFH	166	667	30	51.1	68.10%	52.60%
SFH	167	667	48	46.6	62.20%	48.20%
SFH	168	667	30	50.7	67.50%	34.70%
SFH	169	667	40	53.7	71.60%	51.70%
SFH	170	667	48	45.1	60.10%	46.60%
SFH	171	667	30	42.1	56.10%	33.30%
SFH	172	667	48	42.2	56.30%	49.70%
SFH	173	667	48	48	64.00%	46.70%
SFH	174	667	48	42.1	56.20%	45.70%
SFH	176	732	48	46.1	61.50%	40.80%
SFH	263	991	65	48	64.00%	74.90%
SFH	265	446	25	38	50.70%	27.60%
SFH	266	688	48	43.1	57.50%	37.30%
SFH	268	668	48	38.6	51.50%	46.90%
SFH	269	688	48	31.1	41.50%	41.80%
SFH	270	688	48	43.1	57.50%	42.30%
SFH	271	668	48	42.6	56.90%	42.30%
SFH	272	668	48	43.5	58.10%	41.50%
SFH	273	668	48	39.1	52.10%	41.90%
SFH	274	668	48	36	48.00%	44.60%
SFH	276	733	48	37.4	49.90%	47.70%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	363	896	70	31.8	42.40%	66.90%
SFH	364	668	48	49.7	66.30%	20.30%
SFH	365	992	75	33.7	44.90%	59.40%
SFH	366	668	36	38.1	50.80%	27.30%
SFH	367	668	48	39.1	52.10%	37.00%
SFH	368	668	48	38.1	50.90%	51.20%
SFH	369	668	48	31.5	42.10%	49.10%
SFH	370	688	48	43.1	57.50%	41.50%
SFH	371	668	38	44.2	58.90%	32.30%
SFH	372	668	48	41.1	54.80%	53.50%
SFH	373	668	48	35.5	47.40%	45.50%
SFH	374	668	48	49.5	66.00%	51.90%
SFH	376	732	50	41.7	55.60%	39.80%
VAR	205	1,151	85	37.2	49.60%	39.00%
VAR	206	1,184	85	25.7	34.30%	34.90%
VAR	479	998	30	46.2	61.60%	60.20%
WH	102	870	60	35.1	46.80%	62.40%
WH	105	856	60	31.5	42.10%	57.40%
WH	124	1,062	85	23.5	31.40%	59.10%
WH	301	306	16	38.2	50.90%	67.80%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	313	500	30	39.5	52.70%	51.20%
WH	416	372	15	28	37.30%	50.50%
Totals	**123**	**125,759**	**7,194**	**4,966**		
Averages		**1,022**	**58**	**40.4**	**53.80%**	**56.00%**

Report 8: Daytime Utilization - Winter 2018

Daytime Utilization – 8 a.m. to 5 p.m.; Monday-Friday

- 45 Available Hours per Week

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	36.3	80.60%	62.90%
DH	135	947	48	34.3	76.20%	82.70%
DH	136B	470	21	24	53.30%	72.20%
DH	200	1,126	95	25.5	56.80%	63.00%
DH	201	3,004	314	27.1	60.30%	45.00%
DH	202	702	52	24	53.40%	69.20%
DH	203	990	70	21.8	48.40%	63.20%
DH	204	374	30	24	53.30%	68.30%
DH	236	394	30	28	62.20%	62.90%
DH	237	389	24	40.7	90.40%	79.50%
EC	116	3,373	200	33.6	74.60%	51.50%
EC	254	2,035	100	33.1	73.60%	62.90%
EC	275	1,333	50	31	68.90%	92.70%
EC	279	1,329	50	30	66.70%	68.70%
EC	281	1,350	50	30	66.80%	66.60%
EH	204	541	30	40	88.90%	46.00%
EH	206	523	30	41	91.10%	71.80%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	18.5	41.10%	78.60%
EH	210	683	40	32.2	71.60%	58.50%
EH	212	696	40	31.1	69.20%	79.80%
EH	214	902	48	32.4	72.00%	57.70%
EH	235	1,021	40	21.9	48.60%	85.60%
EH	237	1,026	40	28.9	64.10%	53.90%
EH	239	1,018	40	26.9	59.80%	80.60%
EH	242	1,561	60	36	80.00%	63.50%
HH	113	921	24	36	80.00%	69.90%
HH	123	777	36	35	77.80%	71.30%
HH	190	2,131	187	40.9	90.90%	64.50%
HH	195	2,068	187	35.6	79.00%	63.30%
HH	220	548	40	32	71.10%	52.80%
HH	225	422	30	20	44.40%	69.30%
HH	233	1,348	60	28	62.20%	62.90%
HHB	1005	1,828	80	23	51.10%	85.90%
HHB	1006	1,563	50	28.2	62.70%	48.50%
HHB	1031	729	25	24	53.30%	70.70%
HHB	1050	4,384	200	23.4	52.00%	61.40%
HHB	2023	1,442	50	23.6	52.40%	52.00%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	28.3	63.00%	47.50%
HHB	2086	1,307	60	34.9	77.60%	61.80%
HHB	4043	1,938	80	18.9	42.10%	51.10%
HHB	4050	2,695	112	19	42.20%	79.60%
HHB	5036	1,208	50	36.9	82.00%	66.20%
HHB	5037	1,967	80	21.9	48.60%	46.70%
HHB	5045	2,730	112	32.5	72.30%	78.90%
MSC	102	1,170	48	29.9	66.40%	51.50%
MSC	104	1,117	48	30	66.70%	57.00%
MSC	120	1,560	72	31	68.90%	68.70%
MSC	124	1,839	84	31.1	69.20%	64.30%
MSC	130	624	42	33	73.30%	55.80%
MSC	164	1,129	70	35.1	78.10%	78.60%
MSC	168	1,129	70	31	68.90%	70.90%
MSC	172	1,129	70	38.1	84.70%	75.00%
MSC	185	828	50	32	71.10%	80.00%
MSC	187	542	36	31	68.90%	57.60%
MSC	364	422	26	28.2	62.70%	66.90%
MSC	372	961	50	33.1	73.60%	60.60%
MSC	376	613	28	36	80.00%	57.10%
MSC	378	613	30	23	51.10%	74.20%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	33.9	75.40%	59.70%
MSC	386	606	40	36	80.00%	56.70%
MSC	388	605	30	40	88.90%	70.00%
MSC	93	574	35	32.4	72.10%	47.90%
NFH	156	1,757	157	34.1	75.80%	40.10%
ODH	202A	1,344	83	10.9	24.30%	52.80%
ODH	202B	1,848	111	22.3	49.50%	80.40%
ODH	202C	1,394	83	18.7	41.60%	53.30%
PH	302	1,660	72	21.8	48.30%	61.70%
PH	306	910	48	31	68.90%	69.10%
PH	307	938	49	19	42.20%	52.60%
PH	308	910	48	30.5	67.90%	39.70%
PH	309	930	49	18	40.10%	54.60%
PH	310	732	36	35.5	79.00%	60.20%
PH	312	738	36	28	62.20%	69.80%
PH	314	916	48	27.1	60.20%	49.40%
PH	316	918	48	18.9	42.10%	55.60%
PH	318	910	48	30.1	66.90%	38.10%
PH	320	735	36	30.1	66.90%	54.30%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	28	62.20%	77.40%
SFH	164	667	30	36	80.00%	53.00%
SFH	165	992	63	31	68.90%	75.90%
SFH	166	667	30	42	93.30%	52.70%
SFH	167	667	48	36	80.00%	55.30%
SFH	168	667	30	38	84.40%	33.20%
SFH	169	667	40	40	88.90%	56.30%
SFH	170	667	48	36	80.00%	46.50%
SFH	171	667	30	31	68.90%	17.50%
SFH	172	667	48	27	60.00%	53.90%
SFH	173	667	48	36	80.00%	50.20%
SFH	174	667	48	32	71.10%	44.80%
SFH	176	732	48	35	77.80%	41.40%
SFH	263	991	65	40	88.90%	79.20%
SFH	265	446	25	31	68.90%	26.00%
SFH	266	688	48	35	77.80%	37.10%
SFH	268	668	48	27	60.00%	42.80%
SFH	269	688	48	23	51.10%	41.40%
SFH	270	688	48	31	68.90%	48.50%
SFH	271	668	48	31	68.90%	43.20%
SFH	272	668	48	34	75.60%	40.70%
SFH	273	668	48	27	60.00%	42.40%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	23.4	52.10%	46.20%
SFH	276	733	48	26	57.80%	43.90%
SFH	363	896	70	23.8	52.90%	71.00%
SFH	364	668	48	38.8	86.10%	12.10%
SFH	365	992	75	18	40.00%	64.10%
SFH	366	668	36	31	68.90%	17.40%
SFH	367	668	48	27	60.00%	36.40%
SFH	368	668	48	28	62.20%	48.20%
SFH	369	668	48	23	51.10%	46.30%
SFH	370	688	48	35	77.80%	43.40%
SFH	371	668	38	31	68.90%	17.10%
SFH	372	668	48	29.9	66.50%	46.20%
SFH	373	668	48	32	71.10%	47.10%
SFH	374	668	48	37.9	84.30%	50.50%
SFH	376	732	50	28	62.20%	37.10%
VAR	205	1,151	85	24	53.30%	40.20%
VAR	206	1,184	85	15.6	34.60%	35.80%
VAR	479	998	30	32	71.10%	59.20%
WH	102	870	60	28	62.20%	58.80%
WH	105	856	60	24	53.30%	64.70%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062	85	19	42.20%	65.30%
WH	301	306	16	24	53.30%	71.90%
WH	313	500	30	31	68.90%	48.30%
WH	416	372	15	27	60.00%	49.10%
Totals	**123**	**125,759**	**7,194**	**3,640**		
Averages		**1,022**	**58**	**29.6**	**65.80%**	**57.80%**

O'Dowd Hall

Report 9: Prime Time Utilization - Winter 2018

- Prime Time Utilization 10 a.m. to 3 p.m.; Monday-Friday
- 25 Available Hours per Week

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741.00	92	25	100.00%	59.00%
DH	135	947	48	21.3	85.20%	83.30%
DH	136B	470	21	16	64.00%	82.10%
DH	200	1,126.00	95	17.5	70.20%	68.00%
DH	201	3,004.00	314	17.1	68.60%	40.70%
DH	202	702	52	18.7	74.70%	71.00%
DH	203	990	70	18.5	73.90%	68.00%
DH	204	374	30	21	84.00%	69.00%
DH	236	394	30	17	68.00%	68.20%
DH	237	389	24	22	88.00%	82.20%
EC	116	3,373.00	200	22.9	91.80%	50.40%
EC	254	2,035.00	100	18.1	72.40%	66.10%
EC	275	1,333.00	50	22	88.00%	94.20%
EC	279	1,329.00	50	22	88.00%	74.00%
EC	281	1,350.00	50	19.7	78.70%	62.40%
EH	204	541	30	23	92.00%	46.10%
EH	206	523	30	23	92.00%	75.10%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	10.6	42.40%	80.50%
EH	210	683	40	17.2	68.80%	74.00%
EH	212	696	40	15.3	61.10%	70.50%
EH	214	902	48	17.5	70.10%	64.80%
EH	235	1,021.00	40	14	56.00%	84.60%
EH	237	1,026.00	40	21.9	87.40%	54.90%
EH	239	1,018.00	40	16.6	66.60%	89.80%
EH	242	1,561.00	60	22	88.00%	62.00%
HH	113	921	24	19	76.00%	64.00%
HH	123	777	36	22	88.00%	71.50%
HH	190	2,131.00	187	23.9	95.60%	65.50%
HH	195	2,068.00	187	19.6	78.20%	63.70%
HH	220	548	40	22	88.00%	54.30%
HH	225	422	30	14	56.00%	80.50%
HH	233	1,348.00	60	21	84.00%	59.20%
HHB	1005	1,828.00	80	16	64.00%	85.00%
HHB	1006	1,563.00	50	20	80.00%	45.60%
HHB	1031	729	25	18	72.00%	73.80%
HHB	1050	4,384.00	200	16.3	65.00%	64.10%
HHB	2023	1,442.00	50	15.7	62.60%	46.80%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213.00	55	17.3	69.40%	48.00%
HHB	2086	1,307.00	60	23	92.00%	54.30%
HHB	4043	1,938.00	80	14	56.00%	51.40%
HHB	4050	2,695.00	112	12	48.00%	85.70%
HHB	5036	1,208.00	50	20.1	80.30%	66.90%
HHB	5037	1,967.00	80	12.9	51.70%	49.10%
HHB	5045	2,730.00	112	18.1	72.50%	75.40%
MSC	102	1,170.00	48	15.9	63.40%	64.60%
MSC	104	1,117.00	48	18	72.00%	63.20%
MSC	120	1,560.00	72	20	80.00%	67.80%
MSC	124	1,839.00	84	23.1	92.50%	62.50%
MSC	130	624	42	22	88.00%	62.80%
MSC	164	1,129.00	70	24.1	96.50%	72.20%
MSC	168	1,129.00	70	22	88.00%	65.70%
MSC	172	1,129.00	70	25	100.00%	78.20%
MSC	185	828	50	23	92.00%	86.30%
MSC	187	542	36	22	88.00%	60.10%
MSC	364	422	26	22.2	88.80%	65.70%
MSC	372	961	50	21.2	84.70%	60.40%
MSC	376	613	28	23	92.00%	45.20%
MSC	378	613	30	14	56.00%	81.90%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	22	88.00%	51.90%
MSC	386	606	40	23	92.00%	53.00%
MSC	388	605	30	23	92.00%	69.60%
MSC	93	574	35	21.8	87.20%	55.10%
NFH	156	1,757.00	157	23	92.00%	30.80%
ODH	202A	1,344.00	83	7.9	31.70%	52.70%
ODH	202B	1,848.00	111	17.5	70.10%	84.40%
ODH	202C	1,394.00	83	13	52.00%	54.70%
PH	302	1,660.00	72	15.3	61.30%	78.50%
PH	306	910	48	22	88.00%	63.60%
PH	307	938	49	12	48.00%	64.60%
PH	308	910	48	20	80.00%	36.70%
PH	309	930	49	12.1	48.20%	48.70%
PH	310	732	36	21	84.00%	70.00%
PH	312	738	36	17	68.00%	68.30%
PH	314	916	48	18	72.00%	47.00%
PH	316	918	48	14.9	59.70%	57.10%
PH	318	910	48	20.1	80.40%	42.20%
PH	320	735	36	17.1	68.40%	53.00%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	15	60.00%	76.70%
SFH	164	667	30	23	92.00%	39.40%
SFH	165	992	63	19	76.00%	86.20%
SFH	166	667	30	23	92.00%	50.90%
SFH	167	667	48	23	92.00%	57.50%
SFH	168	667	30	23	92.00%	37.70%
SFH	169	667	40	23	92.00%	47.80%
SFH	170	667	48	23	92.00%	54.70%
SFH	171	667	30	16.8	67.00%	19.30%
SFH	172	667	48	18	72.00%	50.20%
SFH	173	667	48	23	92.00%	49.90%
SFH	174	667	48	22	88.00%	43.60%
SFH	176	732	48	22	88.00%	40.50%
SFH	263	991	65	23	92.00%	76.80%
SFH	265	446	25	16.8	67.00%	14.40%
SFH	266	688	48	22	88.00%	28.60%
SFH	268	668	48	18	72.00%	42.40%
SFH	269	688	48	14	56.00%	42.90%
SFH	270	688	48	18	72.00%	43.10%
SFH	271	668	48	20	80.00%	42.10%
SFH	272	668	48	22	88.00%	39.80%
SFH	273	668	48	22	88.00%	41.30%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	14	56.00%	42.30%
SFH	276	733	48	16	64.00%	35.40%
SFH	363	896	70	17.4	69.70%	66.90%
SFH	364	668	48	24.5	98.00%	13.00%
SFH	365	992	75	12	48.00%	52.90%
SFH	366	668	36	21.2	84.70%	19.30%
SFH	367	668	48	20	80.00%	41.30%
SFH	368	668	48	20	80.00%	51.70%
SFH	369	668	48	18	72.00%	48.10%
SFH	370	688	48	22	88.00%	41.70%
SFH	371	668	38	24.5	98.00%	18.70%
SFH	372	668	48	16	64.00%	45.30%
SFH	373	668	48	19	76.00%	57.70%
SFH	374	668	48	22	88.00%	41.30%
SFH	376	732	50	22	88.00%	34.20%
VAR	205	1,151.00	85	16	64.00%	42.40%
VAR	206	1,184.00	85	13.7	54.70%	36.80%
VAR	479	998	30	22	88.00%	57.90%
WH	102	870	60	23	92.00%	67.30%
WH	105	856	60	20	80.00%	74.70%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062.00	85	16	64.00%	58.80%
WH	301	306	16	18	72.00%	71.50%
WH	313	500	30	17	68.00%	53.30%
WH	416	372	15	18	72.00%	45.90%
Totals	123	125,759	7,194	2,363		
Averages		1,022	58	19.2	76.80%	57.60%

Report 10: Off Peak Utilization - Winter 2018

- Off Peak Utilization 8-10 a.m; 3-5 p.m.; Monday-Friday
- 20 Available Hours per Week.

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	11.3	56.30%	71.50%
DH	135	947	48	13	65.00%	81.70%
DH	136B	470	21	8	40.00%	52.40%
DH	200	1,126	95	8	40.00%	52.00%
DH	201	3,004	314	10	50.00%	52.50%
DH	202	702	52	5.3	26.70%	63.00%
DH	203	990	70	3.3	16.60%	36.60%
DH	204	374	30	3	15.00%	63.30%
DH	236	394	30	11	55.00%	54.50%
DH	237	389	24	18.7	93.30%	76.30%
EC	116	3,373	200	10.6	53.20%	53.90%
EC	254	2,035	100	15	75.00%	58.90%
EC	275	1,333	50	9	45.00%	89.10%
EC	279	1,329	50	8	40.00%	54.00%
EC	281	1,350	50	10.4	51.90%	74.70%
EH	204	541	30	17	85.00%	45.90%
EH	206	523	30	18	90.00%	67.60%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	7.9	39.40%	76.10%
EH	210	683	40	15	75.00%	40.70%
EH	212	696	40	15.9	79.30%	88.80%
EH	214	902	48	14.9	74.40%	49.30%
EH	235	1,021	40	7.9	39.30%	87.20%
EH	237	1,026	40	7	35.00%	50.70%
EH	239	1,018	40	10.3	51.30%	65.60%
EH	242	1,561	60	14	70.00%	66.00%
HH	113	921	24	17	85.00%	76.50%
HH	123	777	36	13	65.00%	70.90%
HH	190	2,131	187	17	85.00%	63.00%
HH	195	2,068	187	16	80.00%	62.70%
HH	220	548	40	10	50.00%	49.50%
HH	225	422	30	6	30.00%	43.30%
HH	233	1,348	60	7	35.00%	73.80%
HHB	1005	1,828	80	7	35.00%	87.90%
HHB	1006	1,563	50	8.2	41.00%	55.40%
HHB	1031	729	25	6	30.00%	61.30%
HHB	1050	4,384	200	7.1	35.60%	55.20%
HHB	2023	1,442	50	7.9	39.60%	62.30%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	11	55.00%	46.80%
HHB	2086	1,307	60	11.9	59.70%	76.40%
HHB	4043	1,938	80	4.9	24.70%	50.00%
HHB	4050	2,695	112	7	35.00%	69.00%
HHB	5036	1,208	50	16.8	84.10%	65.30%
HHB	5037	1,967	80	8.9	44.70%	43.20%
HHB	5045	2,730	112	14.4	72.00%	83.40%
MSC	102	1,170	48	14	70.00%	36.60%
MSC	104	1,117	48	12	60.00%	47.70%
MSC	120	1,560	72	11	55.00%	70.50%
MSC	124	1,839	84	8	40.00%	69.60%
MSC	130	624	42	11	55.00%	41.80%
MSC	164	1,129	70	11	55.00%	92.60%
MSC	168	1,129	70	9	45.00%	83.70%
MSC	172	1,129	70	13.1	65.50%	68.90%
MSC	185	828	50	9	45.00%	63.80%
MSC	187	542	36	9	45.00%	51.50%
MSC	364	422	26	6	30.00%	71.20%
MSC	372	961	50	11.9	59.70%	60.90%
MSC	376	613	28	13	65.00%	78.30%
MSC	378	613	30	9	45.00%	62.20%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	11.9	59.70%	74.20%
MSC	386	606	40	13	65.00%	63.10%
MSC	388	605	30	17	85.00%	70.60%
MSC	93	574	35	10.6	53.20%	33.20%
NFH	156	1,757	157	11.1	55.50%	59.20%
ODH	202A	1,344	83	3	15.00%	53.00%
ODH	202B	1,848	111	4.8	23.80%	65.80%
ODH	202C	1,394	83	5.7	28.60%	50.20%
PH	302	1,660	72	6.4	32.20%	21.60%
PH	306	910	48	9	45.00%	82.40%
PH	307	938	49	7	35.00%	32.10%
PH	308	910	48	10.5	52.70%	45.50%
PH	309	930	49	6	29.90%	66.40%
PH	310	732	36	14.5	72.70%	46.10%
PH	312	738	36	11	55.00%	72.20%
PH	314	916	48	9.1	45.50%	54.20%
PH	316	918	48	4	20.00%	50.00%
PH	318	910	48	10	50.00%	30.00%
PH	320	735	36	13	65.00%	56.00%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	13	65.00%	78.10%
SFH	164	667	30	13	65.00%	76.90%
SFH	165	992	63	12	60.00%	59.50%
SFH	166	667	30	19	95.00%	54.90%
SFH	167	667	48	13	65.00%	51.40%
SFH	168	667	30	15	75.00%	26.20%
SFH	169	667	40	17	85.00%	67.60%
SFH	170	667	48	13	65.00%	32.10%
SFH	171	667	30	14.3	71.30%	15.40%
SFH	172	667	48	9	45.00%	61.30%
SFH	173	667	48	13	65.00%	50.80%
SFH	174	667	48	10	50.00%	47.50%
SFH	176	732	48	13	65.00%	42.90%
SFH	263	991	65	17	85.00%	82.50%
SFH	265	446	25	14.3	71.30%	39.60%
SFH	266	688	48	13	65.00%	51.60%
SFH	268	668	48	9	45.00%	43.80%
SFH	269	688	48	9	45.00%	39.10%
SFH	270	688	48	13	65.00%	56.10%
SFH	271	668	48	11	55.00%	45.30%
SFH	272	668	48	12	60.00%	42.40%
SFH	273	668	48	5	25.00%	47.50%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	9.4	47.20%	52.10%
SFH	276	733	48	10	50.00%	57.50%
SFH	363	896	70	6.4	31.90%	82.10%
SFH	364	668	48	14.3	71.30%	10.50%
SFH	365	992	75	6	30.00%	86.70%
SFH	366	668	36	9.8	49.10%	13.20%
SFH	367	668	48	7	35.00%	22.60%
SFH	368	668	48	8	40.00%	39.60%
SFH	369	668	48	5	25.00%	39.60%
SFH	370	688	48	13	65.00%	46.30%
SFH	371	668	38	6.5	32.50%	11.30%
SFH	372	668	48	13.9	69.70%	47.20%
SFH	373	668	48	13	65.00%	31.70%
SFH	374	668	48	15.9	79.70%	63.20%
SFH	376	732	50	6	30.00%	48.00%
VAR	205	1,151	85	8	40.00%	35.90%
VAR	206	1,184	85	1.9	9.40%	28.20%
VAR	479	998	30	10	50.00%	62.00%
WH	102	870	60	5	25.00%	19.70%
WH	105	856	60	4	20.00%	15.00%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062	85	3	15.00%	100.00%
WH	301	306	16	6	30.00%	72.90%
WH	313	500	30	14	70.00%	42.10%
WH	416	372	15	9	45.00%	55.60%
Totals	123	125,759	7,194	1,277		
Averages		1,022	58	10.4	51.90%	58.00%

Report 11: Evening Utilization - Winter 2018

- Evening Utilization 5-10 p.m.; Monday-Friday
- 25 Available Hours per Week

Dodge Hall (**DH**)	North Foundation Hall (**NFH**)
Engineering Center (**EC**)	O'Dowd Hall (**ODH**)
Elliott Hall (**EH**)	Pawley Hall (PH)
Hannah Hall (**HH**)	South Foundation Hall (**SFH**)
Human Health Building (**HHB**)	Varner Hall (**VH**)
Math & Science Center (**MSC**)	Wilson Hall (**WH**)

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
DH	127	1,741	92	3	12.00%	34.10%
DH	135	947	48	12	48.00%	41.00%
DH	136B	470	21	16	64.00%	35.70%
DH	200	1,126	95	6	24.00%	48.90%
DH	201	3,004	314	0	0.00%	
DH	202	702	52	8.1	32.20%	68.40%
DH	203	990	70	6.4	25.60%	56.40%
DH	204	374	30	16	64.00%	42.50%
DH	236	394	30	0	0.00%	
DH	237	389	24	12.9	51.50%	54.40%
EC	116	3,373	200	2	8.00%	47.00%
EC	254	2,035	100	12.2	48.90%	36.80%
EC	275	1,333	50	17	68.00%	45.10%
EC	279	1,329	50	11.6	46.20%	63.20%
EC	281	1,350	50	12.1	48.20%	71.70%
EH	204	541	30	11.1	44.40%	63.80%
EH	206	523	30	13.8	55.00%	63.00%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
EH	208	686	40	14.1	56.40%	44.20%
EH	210	683	40	15.6	62.50%	80.20%
EH	212	696	40	12.2	48.80%	61.30%
EH	214	902	48	14.2	56.80%	79.00%
EH	235	1,021	40	12.7	50.80%	85.40%
EH	237	1,026	40	14.2	56.80%	78.60%
EH	239	1,018	40	15.2	60.80%	66.60%
EH	242	1,561	60	12.2	48.80%	40.00%
HH	113	921	24	14.2	56.80%	46.90%
HH	123	777	36	16.1	64.40%	76.80%
HH	190	2,131	187	7.5	29.80%	57.30%
HH	195	2,068	187	6	24.00%	52.00%
HH	220	548	40	9.3	37.30%	52.30%
HH	225	422	30	7.6	30.20%	58.60%
HH	233	1,348	60	12	48.00%	61.70%
HHB	1005	1,828	80	16.2	64.70%	33.00%
HHB	1006	1,563	50	14.7	58.80%	80.10%
HHB	1031	729	25	10.2	40.90%	17.20%
HHB	1050	4,384	200	7.1	28.40%	42.50%
HHB	2023	1,442	50	15.2	60.80%	52.80%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
HHB	2085	1,213	55	8.6	34.20%	55.00%
HHB	2086	1,307	60	9.8	39.30%	55.60%
HHB	4043	1,938	80	5.8	23.10%	24.90%
HHB	4050	2,695	112	10.6	42.20%	60.20%
HHB	5036	1,208	50	12.5	50.20%	54.10%
HHB	5037	1,967	80	11.1	44.40%	35.40%
HHB	5045	2,730	112	4	16.00%	13.80%
MSC	102	1,170	48	18.5	74.00%	43.60%
MSC	104	1,117	48	17.1	68.40%	43.10%
MSC	120	1,560	72	12.6	50.20%	30.40%
MSC	124	1,839	84	5.6	22.20%	58.20%
MSC	130	624	42	11.1	44.40%	57.70%
MSC	164	1,129	70	16	64.00%	70.00%
MSC	168	1,129	70	16.1	64.40%	71.90%
MSC	172	1,129	70	15.1	60.40%	76.80%
MSC	185	828	50	15.1	60.40%	68.80%
MSC	187	542	36	14.2	56.80%	31.00%
MSC	364	422	26	13	52.00%	21.60%
MSC	372	961	50	11.1	44.40%	47.10%
MSC	376	613	28	11.6	46.20%	52.50%
MSC	378	613	30	9	36.00%	34.10%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
MSC	384	653	44	13.1	52.30%	66.40%
MSC	386	606	40	10.6	42.40%	64.80%
MSC	388	605	30	10.6	42.60%	44.40%
MSC	93	574	35	8	32.00%	60.00%
NFH	156	1,757	157	9.7	38.80%	47.90%
ODH	202A	1,344	83	6.6	26.40%	43.50%
ODH	202B	1,848	111	7.1	28.40%	28.40%
ODH	202C	1,394	83	5.4	21.80%	61.40%
PH	302	1,660	72	8.1	32.40%	31.90%
PH	306	910	48	11.7	46.60%	36.50%
PH	307	938	49	15.2	60.80%	22.50%
PH	308	910	48	11.2	44.60%	51.60%
PH	309	930	49	10.1	40.60%	57.30%
PH	310	732	36	10.6	42.60%	29.60%
PH	312	738	36	13.4	53.50%	43.30%
PH	314	916	48	10.6	42.60%	31.30%
PH	316	918	48	10.1	40.60%	43.40%
PH	318	910	48	11.7	46.60%	52.60%
PH	320	735	36	14.2	56.80%	81.10%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	163	985	65	8	32.00%	63.10%
SFH	164	667	30	12	48.00%	46.70%
SFH	165	992	63	12.1	48.40%	70.90%
SFH	166	667	30	9.1	36.40%	52.00%
SFH	167	667	48	10.6	42.60%	24.30%
SFH	168	667	30	12.7	50.60%	39.20%
SFH	169	667	40	13.7	54.80%	38.50%
SFH	170	667	48	9.1	36.40%	46.70%
SFH	171	667	30	11.1	44.40%	77.50%
SFH	172	667	48	15.2	60.80%	42.30%
SFH	173	667	48	12	48.10%	36.10%
SFH	174	667	48	10.1	40.60%	48.50%
SFH	176	732	48	11.2	44.60%	38.60%
SFH	263	991	65	8	32.00%	53.10%
SFH	265	446	25	7.1	28.20%	34.40%
SFH	266	688	48	8.1	32.40%	38.10%
SFH	268	668	48	11.7	46.60%	56.20%
SFH	269	688	48	8.1	32.40%	42.80%
SFH	270	688	48	12.1	48.40%	26.40%
SFH	271	668	48	11.7	46.60%	39.90%
SFH	272	668	48	9.6	38.20%	44.60%
SFH	273	668	48	12.1	48.40%	40.80%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
SFH	274	668	48	12.6	50.40%	41.60%
SFH	276	733	48	11.4	45.70%	56.30%
SFH	363	896	70	8	32.00%	55.00%
SFH	364	668	48	11	43.90%	49.10%
SFH	365	992	75	15.7	62.80%	53.90%
SFH	366	668	36	7.1	28.40%	70.80%
SFH	367	668	48	12.1	48.40%	38.40%
SFH	368	668	48	10.1	40.60%	59.40%
SFH	369	668	48	8.6	34.20%	56.70%
SFH	370	688	48	8.1	32.40%	33.10%
SFH	371	668	38	13.2	52.80%	67.90%
SFH	372	668	48	11.1	44.60%	73.00%
SFH	373	668	48	3.5	14.20%	31.30%
SFH	374	668	48	11.6	46.20%	56.30%
SFH	376	732	50	13.7	54.80%	45.10%
VAR	205	1,151	85	13.2	52.80%	36.80%
VAR	206	1,184	85	10.1	40.60%	33.50%
VAR	479	998	30	14.2	56.80%	62.50%
WH	102	870	60	7.1	28.40%	76.70%
WH	105	856	60	7.6	30.20%	33.90%

Building	Room Number	Square Feet	Number of Seats	WRH	WRH% of Available Hours	Station Occupancy %
WH	124	1,062	85	4.6	18.20%	33.00%
WH	301	306	16	14.2	56.80%	60.90%
WH	313	500	30	8.6	34.20%	62.00%
WH	416	372	15	1	4.00%	86.70%
Totals	123	125,759	7,194	1,326		
Averages		1,022	58	10.8	43.10%	50.50%

Wilson Hall

Report 12: Saturday Utilization - Winter 2018

- Saturday Utilization 8 a.m. to 5 p.m.
- 9 Available Hours per Week
- 12 rooms had a class meeting at least one week during the term. The following table lists these rooms, number of Saturdays scheduled, and the average hours used when the room was scheduled.

Building	Room	Square Feet	Seats	# of Saturdays Scheduled During Term	Avg WRH	WRH% of Available Hours	Station Occupancy %
EH	206	523	30	4	6.2	69%	37%
EH	208	686	40	4	6.2	69%	0%
EH	210	683	40	17	3.5	39%	28%
EH	214	902	48	17	3.5	39%	77%
EH	235	1,021	40	8	8.5	94%	40%
EH	239	1,018	40	1	3	34%	93%
HH	113	921	24	17	3.7	41%	21%
PH	310	732	36	17	3.5	39%	44%
PH	312	738	36	4	6.6	73%	28%
PH	320	735	36	3	6.2	69%	28%
SFH	166	667	30	17	7.2	80%	55%
Totals/ Averages	11	8,626	400	109	5.3	59%	33%

Facility Condition Assessment

Plant Renewal, Deferred Plant Renewal & Plant Adaptation Backlog

The Facilities management computerized Capital Asset Management (CAM) program is a relational database management system, containing over 1,500 projects; totaling over $210 million. In addition to this summary report, the database is capable of producing ad-hoc reports by priority rank, building system, completed and In-process projects in the current fiscal year, and backlog category.

The objective with this document, in addition to identifying our needs, is to raise awareness of the deferred plant renewal liability, and to serve broader facilities planning as well as to set priorities. These facility condition assessments identified needs, preliminary work scope, determined preliminary costs, and prioritized facility projects for the University.

Oakland University completed facility condition assessments in 2006 for 34 campus buildings and updates the assessments of four buildings each year.

Executive Summary of 2017 & 2018 Year Projects (Figures provided in millions)						
System Code	Projects Category	2017 Projects Total	Completed Projects	In-Process Projects	New Projects added	2018 Projects Backlog
AC	Accessibility	$4.96	-	$0.03	$0.16	$5.09
CN	Controls	$5.03	-	$0.16	$0.33	$5.20
EL	Electrical	$19.63	$0.08	$0.91	$1.80	$20.45
EN	Energy	$4.44	-	$1.23	$1.35	$4.56
ES	Exterior System	$14.00	$0.48	$0.12	$1.32	$14.72
FS	Fire/Life Safety	$17.58	-	$0.03	$0.51	$18.06
HE	Health	$0.98	$0.05	-	$0.03	$0.96
HT	High Temp/Hot Water	$10.03	$0.21	$1.08	$1.66	$10.40
HV	HVAC	$37.79	$0.32	$1.19	$2.50	$38.78
IS	Interior System	$35.86	$1.97	$8.53	$11.25	$36.61
IT	Information Technology	$20.31	$0.65	$0.69	$2.06	$21.03
PL	Plumbing	$8.44	-	$0.09	$0.26	$8.62
RF	Roofing	$4.56	$0.60	-	$0.66	$4.62
RW	Roads/Walks/ Parking Lots	$2.13	$1.12	$0.61	$1.34	$1.74
SI	Site	$1.06	$0.35	$0.64	$0.99	$1.06
SS	Security Systems	$1.35	$1.04	$0.12	$1.20	$1.39
SW	Storm Water	$18.22	-	$0.10	$0.70	$18.82
VT	Elevator	$3.71	-	$0.11	$0.23	$3.83
	Total	$210.11	$6.86	$15.63	$28.35	$215.97
	NET CHANGE FROM PREVIOUS YEAR					**$5.86**

Remarks: Facility Management continually checks the validity of projects in the database and eliminates those assessed as not viable. The total net change for the project backlog ($6.02 M) is due to the completion the projects.

* Elimination of non-viable projects under that category

DEFINITIONS

Capital Asset Management is a systematic approach to renewing the University's capital assets through planned:

Plant Renewal
Deferred Plant Renewal
Plant Adaptation

These terms have been formally defined by the National Association of College and University Business Officers (NACUBO) as follows:

Plant Renewal

"…a systematic approach to planning and budgeting for known future cyclical renewal and replacement requirements that extend the (present) life and retain the usable condition of campus facilities and (building) systems … not normally contained in the annual operating budget. …" (NACUBO).

Cyclical renewals typically exceed five year cycles and include such items as roof replacement, electrical switchgear, and HVAC system replacement. These expenditures keep the physical plant and related infrastructure in reliable operating condition for its present use.

Deferred Plant Renewal

"… encompasses measures that are not carried out because of underfunding in the budgeting process or perceived low priority…" (NACUBO).

This includes actual projects, from the prior or current years, not included in the routine maintenance work. These projects represent "Postponed Work" that was deferred because total costs exceed current budget, or projects that are of a "low priority" that present a minimal return on investment. Also included in the Deferred Plant Renewal project list are those projects that were shifted because funds were re-allocated to address emergencies that have no other funding source.

Plant Adaptation

"…improvements are driven by institutional program changes …" (NACUBO).

This involves a programmatic process to plan and fund for projects that will be required due to an evolving use of the institution (e.g., changes in academic disciplines, shifting expectations, supporting institutional mission, etc.), or changing standards (e.g., campus master plans, architectural standards, etc.). These expenditures are over and above normal maintenance, and are not typically contained in the annual operating budget.

FACILITY CONDITION ASSESSMENT RANKING

PRIORITY 1 **Current Critical (immediate or current year)**

Projects in this category require immediate action to:

- Return a facility to normal operation
- Stop accelerated deterioration
- Correct a cited safety hazard
- Any other funded projects requiring immediate action or construction

PRIORITY 2 **Potentially Critical (within one year)**

Projects in this category, if not corrected expeditiously, will become critical within a year. Situations in this category include:

- Intermittent interruptions
- Rapid deterioration
- Potential safety hazard

PRIORITY 3 **Necessary – Not Yet Critical (within years two – five)**

Projects in this category include conditions requiring prompt attention to preclude predictable deterioration or potential down time and associated higher costs if deferred further.

PRIORITY 4 **Recommended (within years six – ten)**

Projects in this category include items that represent a sensible improvement to existing

conditions. These are not required for the most basic function of a facility; however, Priority 4 projects will either improve overall usability and/or reduce long-term maintenance.

PRIORITY 5 **Recommended (beyond year ten)**
Projects in this category may not improve overall usability and/or reduce long-term maintenance; however, they provide an economic payback that would not otherwise be present. Projects in this category may represent to upgrade buildings with current codes during major renovation projects. They may also represent non-time based improvement, upgrade, or recommendation.

SOURCE: Association of Higher Education Facilities Officers (APPA)

ABBREVATIONS

CAMPUS SYSTEM

Accessibility (AC)
Controls (CN)
Electrical (EL)
Energy Management (EN)
Exterior Structure (ES)
Fire/Life Safety (FS)
Health (HE)
High Temperature / Heat Water (HT)
HVAC (HV)
Information Technology (IT)
Interior / Finish System (IS)
Plumbing (PL)
Roofing (RF)
Roads, Walks, Parking Lots (RW)
Site (SI)
Vertical Transportation (VT)
Security Systems (SS)
Storm Water (SW)

CATEGORY Plant Renewal (PR)
Deferred Plant Renewal (DPR)
Plant Adaptation (PA)

FACILITIES CONDITION NEEDS INDEX (FCNI)

Facility Condition Needs Index provides a relative measure for comparing one building (or group of buildings) to another. The index is a simple calculation, derived by dividing the total project costs (for the ten-year window) by the total facility replacement cost (FRC). When applying the index as an evaluation tool, the lower the number, the better the facility condition. It should also be noted that this is an index, not a percentage. It can (and often does in the case of historic facilities) exceed 1.00.

Facility Condition Needs Index

ndividual Building FCNI Range	Condition Description
0.01 – 0.05	Excellent condition, typically new construction
0.06 – 0.15	Good condition, renovations occur on schedule
0.16 – 0.30	Fair condition, in need of normal renovation
0.31 – 0.40	Below average condition, major renovation required
0.41 – 0.59	Poor condition, gut / renovation indicated
0.60 and above	Complete facility replacement indicated

FACILITIES REPLACEMENT COST (FRC)

Facilities Replacement Cost is reported as the total replacement cost for the building or structure and its contents or fixed assets. As an example, the FRC for student housing includes the replacement cost for the building and all the fixtures within each room. Likewise, the FRC for a central heating plant would include the cost of the structure and the boilers, generators and other equipment contained within.

Executive Summary

All Campus Buildings – Facility Condition Assessment

No.	Bldg. Code	Building Name	Use	Year Built	Square Feet	Facility Replacement Cost	Project Costs	FCNI Total	Benchmark Per APPA
1	AD	Athletic Dome	AUX	2014	110,800	$5,528,526	$225,011	0.04	Excellent
2	ANI	Anibal House	HS	1962	20,487	$4,405,848	$1,760,033	0.40	Below Average
3	AVN	Ann V. Nicholson Apartments	HS	1998	181,291	$24,672,985	$343,272	0.01	Excellent
4	BB	Belgian Barn	AUX	1935	9,324	$800,497	$253,233	0.32	Below Average
5	BGM	Building Grounds and Maintenance Bldg.	UNIV	1994	14,400	$1,542,128	$652,923	0.42	Poor Condition
6	BRS	Biomedical Research Support Facility	UNIV	1999	28,277	$5,701,412	$878,797	0.15	Good Condition
7	CAS	College of Arts & Science Annex	AD	1987	4,084	$328,633	$214,987	0.65	Complete Replacement
8	CCC	Chicken Coop Center*	AUX	1930	8,404	$813,324	$123,473	0.15	Good Condition
9	CHP	Central Heating Plant	UNIV	1974	16,833	$26,845,278	$2,031,392	0.08	Good Condition
10	DH	Dodge Hall	AD	1968	151,204	$49,823,911	$16,771,325	0.34	Below Average
11	EC	Engineering Center	AD	2014	134,286	$69,266,169	$11	0.00	Excellent
12	ECMB	East Campus & Misc. Buildings	AUX	N/A	86,664	$23,734,353	$3,765,422	0.16	Fair Condition
13	EH	Elliott Hall	AD	2000	74,582	$17,714,616	$2,878,981	0.16	Fair Condition
14	ET	Elliott Tower	UNIV	2014	950	$7,187,084	$11	0.00	Excellent
15	FM	Facilities Management	UNIV	2014	7,800	$1,934,984	$154,935	0.08	Good Condition
16	FTZ	Fitzgerald House	HS	1961	20,610	$4,432,299	$1,655,766	0.37	Below Average
17	GAT	Gatehouse at MBH	UNIV	1929	2,032	$1,035,677	$343,053	0.33	Below Average
18	GHC	Graham Health Center	UNIV	1970	13,161	$2,439,416	$917,237	0.38	Below Average

No.	Bldg. Code	Building Name	Use	Year Built	Square Feet	Facility Replacement Cost	Project Costs	FCNI Total	Benchmark Per APPA
19	GLC	Golf & Learning Center	AUX	1914	6,038	$1,203,676	$2,164,877	1.80	Complete Replacement
20	GLF	Golf Courses	AUX	N/A	0	$26,580,009	$9,509,403	0.36	Below Average
21	GP	Golf Pavilion	AUX	2014	5,450	$1,437,417	$10	0.00	Excellent
22	GRN	Greenhouse*	UNIV	1917	3,630	$723,641	$997,172	1.38	Complete Replacement
23	GTM	George T. Matthews Apartments	HS	1982	47,464	$8,406,542	$1,953,835	0.23	Fair Condition
24	HAM	Hamlin Hall	HS	1968	143,872	$38,591,679	$6,560,438	0.17	Fair Condition
25	HH	Hannah Hall	AD	1961	89,418	$38,992,412	$16,983,082	0.44	Below Average
26	HHB	Human Health Building	AD	2012	172,825	$66,195,891	$30,499	0.00	Excellent
27	HIL	Hill House	HS	1964	42,522	$11,405,940	$7,228,992	0.63	Complete Replacement
28	JDH	John Dodge House	AD	1880	10,696	$2,144,063	$653,608	0.30	Fair Condition
29	KL	Kresge Library	AD	1961	164,522	$32,301,546	$5,255,631	0.16	Fair Condition
30	MBH	Meadow Brook Hall	AUX	1929	78,002	$53,160,018	$10,503,749	0.20	Fair Condition
31	MC	Main Campus	UNIV	N/A	0	$132,900,045	$22,994,603	0.17	Fair Condition
32	MCMB	Main Campus Misc.	AUX	1960	25,978	$4,898,430	$222,998	0.05	Excellent
33	MSC	Mathematics & Science Center	AD	1997	165,494	$62,057,903	$6,304,646	0.10	Good Condition
34	NFH	North Foundation Hall	AD	1959	67,691	$24,544,309	$7,463,598	0.30	Fair Condition
35	OC	Oakland Center	AUX	1959	146,693	$28,308,907	$5,968,480	0.21	Fair Condition
36	ODH	O'Dowd Hall	AD	1982	105,000	$44,177,041	$9,886,557	0.22	Fair Condition
37	OIT	O'Dowd Hall IT Network Building	UNIV	2011	822	$2,406,812	$10	0.00	Excellent
38	OUI	O.U. INCubator Office	UNIV	1983	11,385	$2,141,494	$484,842	0.23	Fair Condition

No.	Bldg. Code	Building Name	Use	Year Built	Square Feet	Facility Replacement Cost	Project Costs	FCNI Total	Benchmark Per APPA
39	OVH	Oak View Hall	HS	2014	164,724	$33,115,870	$11	0.00	Excellent
40	P32	Parking Structure	UNIV	2014	381,782	$22,399,552	$11	0.00	Excellent
41	PH	Pawley Hall	AD	2002	132,406	$34,461,766	$4,073,117	0.12	Good Condition
42	PRY	Pryale Hall	AD	1963	20,829	$4,575,638	$2,058,864	0.45	Poor Condition
43	PS1	Parking Structure	UNIV	2002	179,820	$12,155,038	$80,610	0.01	Excellent
44	PSS	Police and Support Services	UNIV	1976	26,444	$5,015,127	$1,070,808	0.21	Fair Condition
45	RAC	Student Recreation and Athletic Center	UNIV	1998	253,494	$50,117,968	$3,371,829	0.07	Good Condition
46	SFH	South Foundation Hall	AD	1959	55,041	$12,091,205	$4,813,514	0.40	Below Average
47	SGP	O.U. INC. Shotwell Gustafson Pavilion*	AUX	1929	25,850	$5,153,199	$1,091,339	0.21	Fair Condition
48	SS	Spenser Substation	UNIV	2003	14,769	$2,944,201	$93,113	0.03	Excellent
49	SSC	Steve Sharf Clubhouse	AUX	2011	9,900	$4,073,425	$121,926	0.03	Excellent
50	SST	Sunset Terrace*	UNIV	1952	12,587	$3,024,291	$497,229	0.16	Fair Condition
51	UF	Upper Fields Support	AUX	2014	2,467	$503,110	$11	0.00	Excellent
52	VAR	Varner Hall	AD	1970	119,939	$41,168,374	$15,127,444	0.37	Below Average
53	VBH	Vandenberg Hall	HS	1967	178,321	$47,832,148	$7,850,767	0.16	Fair Condition
54	VWH	Van Wagner House	HS	1965	43,305	$11,615,969	$6,750,961	0.58	Poor Condition
55	WH	Wilson Hall and Meadow Brook Theatre	AD	1967	98,153	$37,118,413	$20,828,906	0.56	Poor Condition
			Grand Totals:		**3,892,522**	**$1,158,150,211**	**$215,967,352**	**0.19**	**Fair Condition**

NOTE: FRC exclude furnishing and furniture cost.

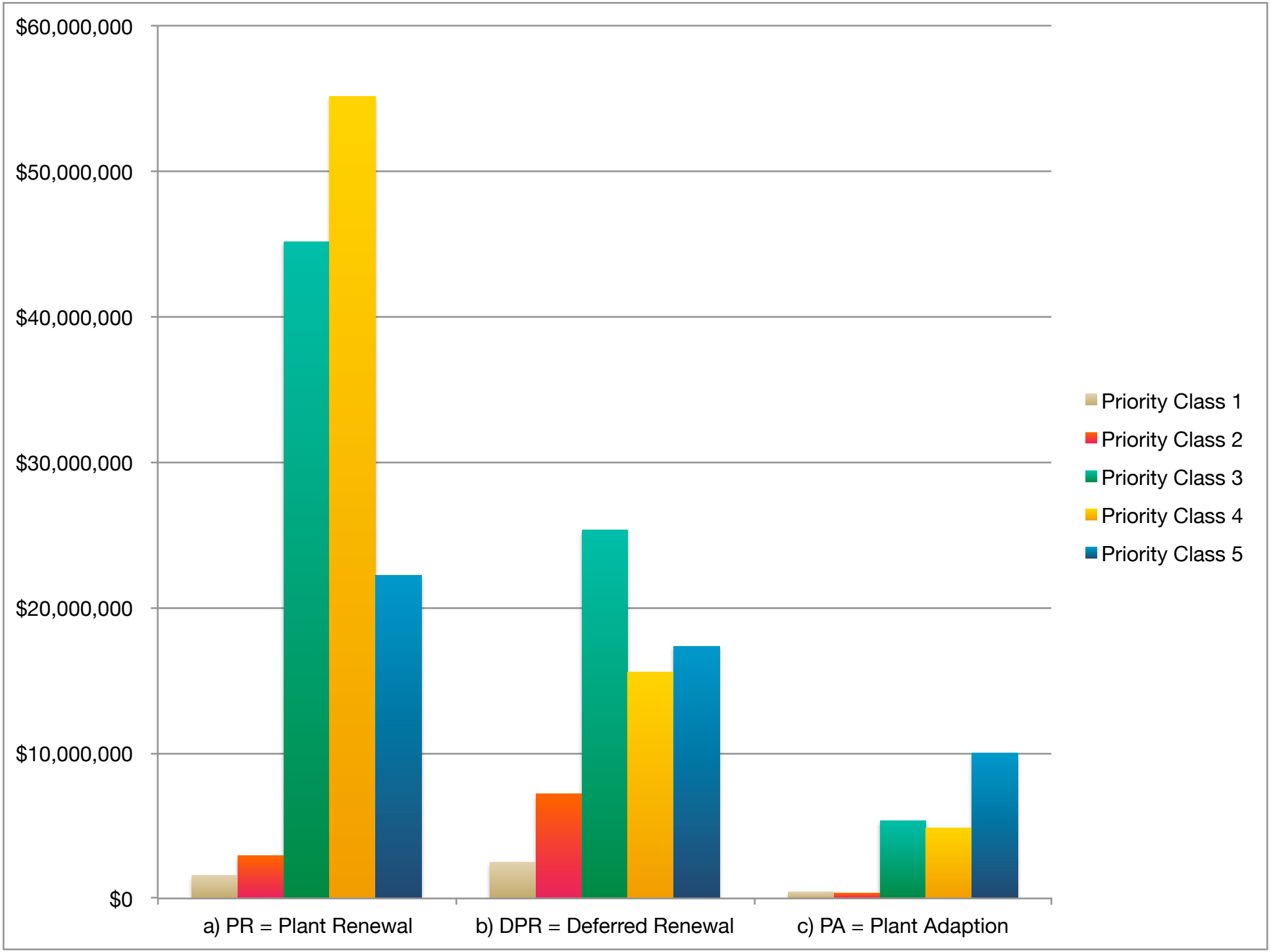
Total Cost Per Square Foot for all Campus Physical Assets	$297.53

Total Cost Per Square Foot for all Campus Projects	$55.48

Individual Building FCNI Range	Condition Description
0.01 – 0.05	Excellent condition, typically new construction
0.06 – 0.15	Good condition, renovations occur on schedule
0.16 – 0.30	Fair condition, in need of normal renovation
0.31 – 0.40	Below average condition, major renovation required
0.41 – 0.59	Poor condition, gut/renovation indicated
0.60 and above	Complete facility replacement indicate

Detailed Project Summary
Facility Condition Analysis
Project Class By Priority Class

Project Class	Priority Class					Subtotal
	1	2	3	4	5	
a) PR = Plant Renewal	$1,587,853	$2,924,258	$45,143,526	$55,121,986	$22,209,488	$126,987,111
b) DPR = Deferred Renewal	$2,486,041	$7,192,597	$25,333,496	$15,571,093	$17,342,799	$67,926,026
c) PA = Plant Adaption	$458,174	$371,095	$5,364,935	$4,845,850	$10,014,160	$21,054,214
TOTALS	**$4,532,069**	**$10,487,951**	**$75,841,956**	**$75,538,930$**	**$49,566,447**	**$215,967,352**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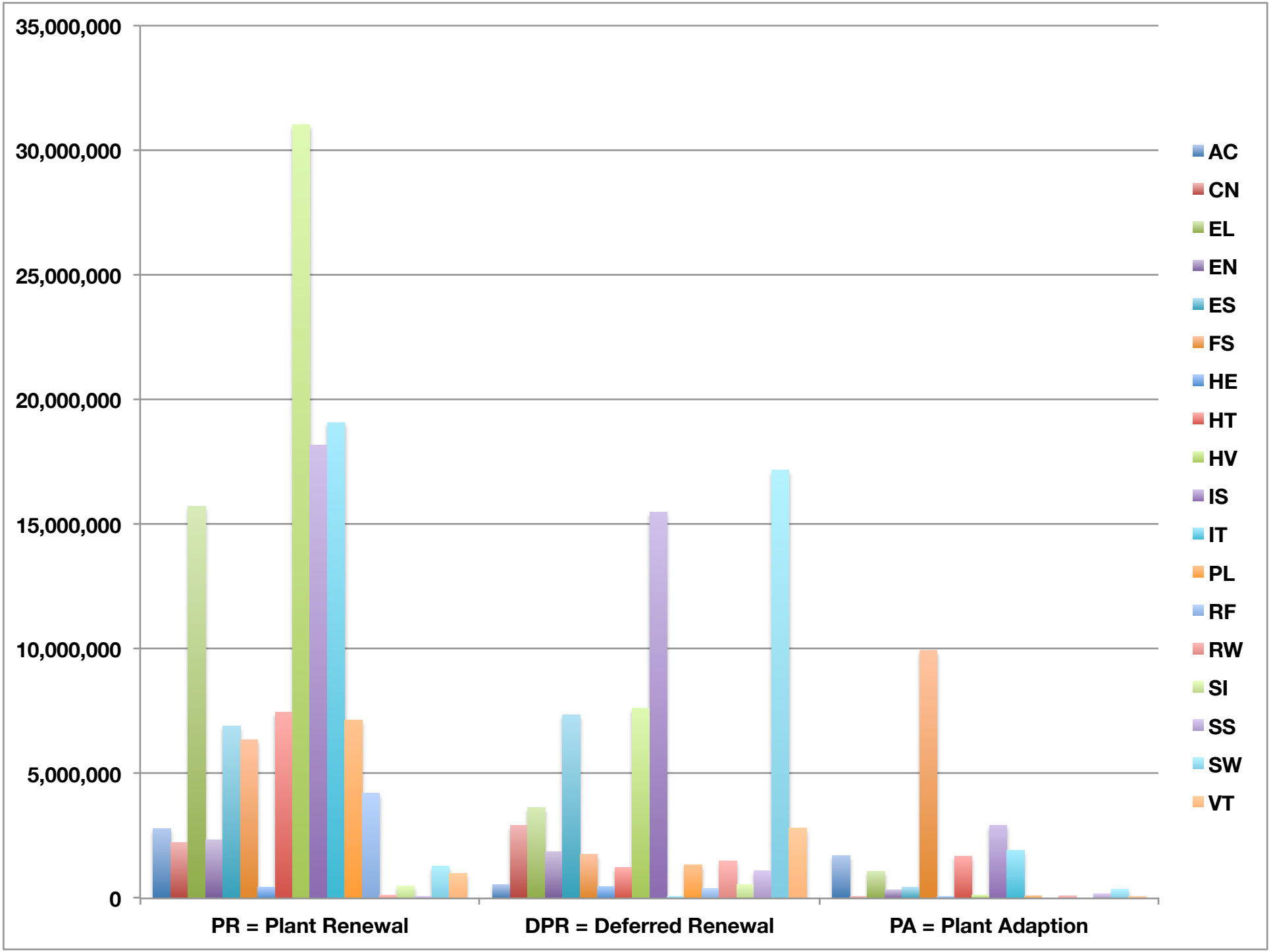
a) PR = Plant Renewal
b) DPR = Deferred Renewal
c) PA = Plant Adaption
Priority Class 1
Priority Class 2
Priority Class 3
Priority Class 4
Priority Class 5

Detailed Project Totals
Facility Condition Assessment
System Code by Project Class
All Buildings

System Code	System Description	Project Classes			Subtotal	%
		PR= Plant Renewal	DPR = Deferred Renewal	PA = Plant Adaption		
AC	ACCESSIBILITY	2,810,011	566,931	1,716,555	$5,093,497	2.36%
CN	CONTROLS	2,243,013	2,923,152	32,974	$5,199,139	2.41%
EL	ELECTRICAL	15,733,404	3,639,991	1,077,587	$20,450,983	9.47%
EN	ENERGY	2,341,913	1,876,739	339,590	$4,558,241	2.11%
ES	EXTERIOR	6,911,498	7,366,210	446,230	$14,723,939	6.82%
FS	FIRE/LIFE SAFETY	6,348,921	1,776,809	9,938,644	$18,064,374	8.36%
HE	HEALTH	459,446	490,022	10,921	$960,389	0.44%
HT	HIGH TEMP/HEAT WATER	7,465,448	1,236,768	1,702,226	$10,404,443	4.82%
HV	HVAC	31,018,634	7,614,892	148,119	$38,781,645	17.96%
IS	INTERIOR/FINISH SYS.	18,190,425	15,482,147	2,940,321	$36,612,893	16.95%
IT	INFORMATION TECHNOLOGY	19,078,242	24,104	1,926,378	$21,028,724	9.74%
PL	PLUMBING	7,148,636	1,352,473	116,384	$8,617,492	3.99%
RF	ROOFING	4,232,815	387,288	0	$4,620,103	2.14%
RW	ROAD/WALKS/ PARKING LOT	127,592	1,510,350	103,290	$1,741,232	0.81%
SI	SITE	493,455	570,656	0	$1,064,110	0.49%
SS	SECURITY SYSTEMS	82,928	1,123,990	184,877	$1,391,795	0.64%
SW	STORM WATER	1,292,729	17,167,790	363,208	$18,823,728	8.72%
VT	VERT. TRANSPORTATION	1,008,000	2,815,714	6,911	$3,830,625	1.77%
TOTALS		**$126,987,111**	**$67,926,026**	**$21,054,214**	**$215,967,352**	**100.00%**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PR = Plant Renewal
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AC
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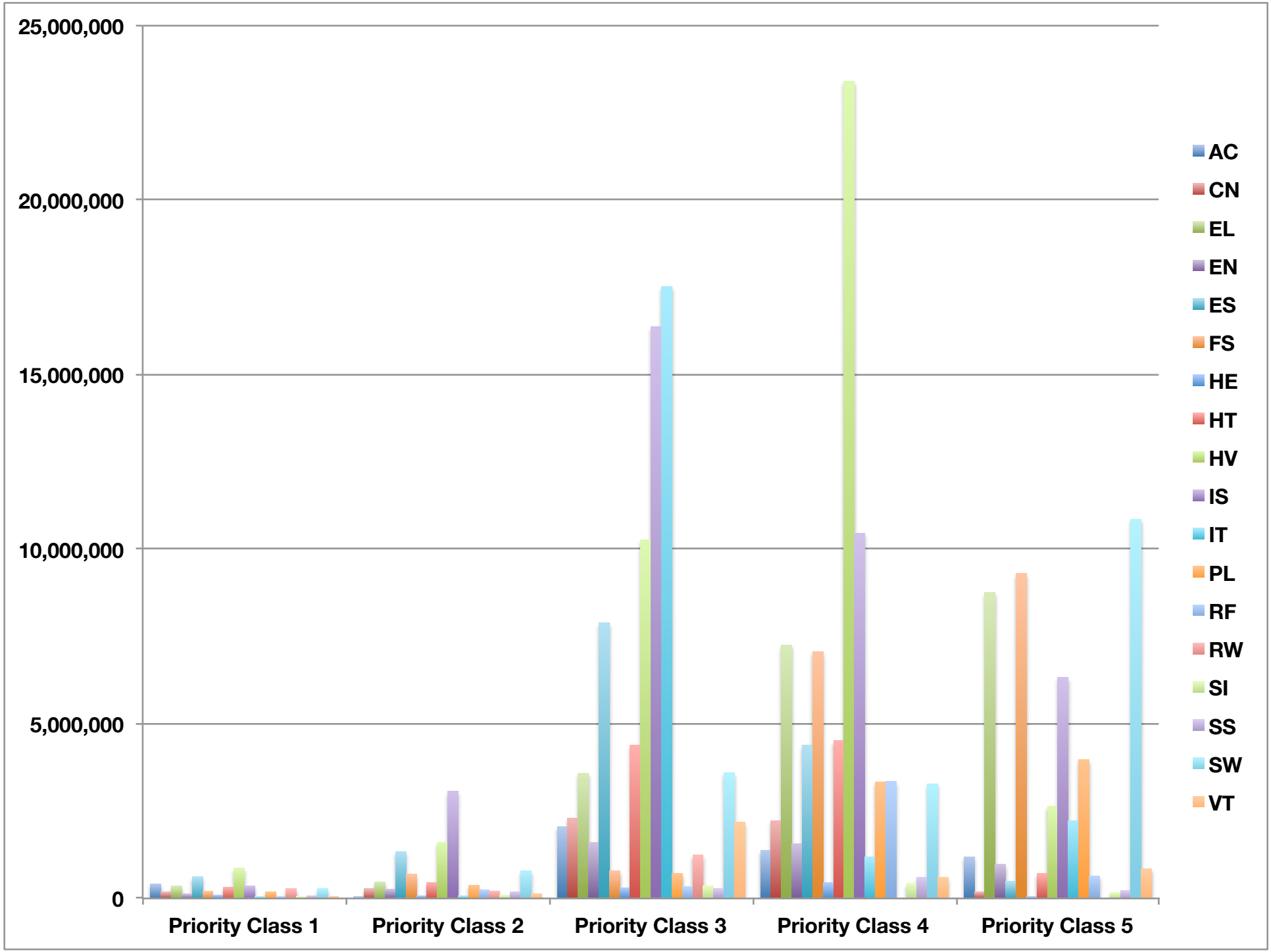
RF
RW
SI
SS
SW
VT

Detailed Project Totals
Facility Condition Assessment
System Code by Priority Class
All Buildings

System Code	System Description	Priority Classes					Subtotal
		1	2	3	4	5	
		FY 2017	FY 2018	FY 2019-22	FY 2023-26	FY2027+	
AC	ACCESSIBILITY	423,074	30,038	2,064,925	1,377,229	1,198,231	$5,093,497
CN	CONTROLS	190,573	283,161	2,302,967	2,231,243	191,195	$5,199,139
EL	ELECTRICAL	356,615	482,495	3,590,317	7,257,425	8,764,130	$20,450,983
EN	ENERGY	135,172	275,090	1,603,840	1,571,063	973,076	$4,558,241
ES	EXTERIOR	616,492	1,336,859	7,902,957	4,384,277	483,353	$14,723,939
FS	FIRE/LIFE SAFETY	208,276	695,000	788,801	7,062,665	9,309,632	$18,064,374
HE	HEALTH	104,805	83,697	311,385	449,581	10,921	$960,389
HT	HIGH TEMP/HEAT WATER	328,040	459,258	4,384,753	4,516,930	715,462	$10,404,443
HV	HVAC	864,058	1,607,798	10,274,690	23,401,955	2,633,144	$38,781,645
IS	INTERIOR/FINISH SYS.	363,600	3,071,565	16,381,631	10,469,110	6,326,989	$36,612,893
IT	INFORMATION TECHNOLOGY	5,606	76,926	17,529,052	1,191,520	2,225,620	$21,028,724
PL	PLUMBING	194,962	384,569	716,473	3,339,215	3,982,273	$8,617,492
RF	ROOFING	26,211	254,624	333,383	3,353,522	652,364	$4,620,103
RW	ROAD/WALKS/ PARKING LOT	277,575	214,012	1,249,645	0	0	$1,741,232
SI	SITE	14,826	98,380	356,040	429,612	165,251	$1,064,110
SS	SECURITY SYSTEMS	82,928	196,693	278,448	612,951	220,775	$1,391,795
SW	STORM WATER	280,280	802,906	3,593,346	3,288,930	10,858,265	$18,823,728
VT	VERT. TRANSPORTATION	58,974	134,879	2,179,303	601,703	855,765	$3,830,625
TOTALS		**$4,532,068**	**$10,487,951**	**$75,841,956**	**$75,538,930**	**$49,566,447**	**$215,967,352**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Priority Class 1
Priority Class 2
Priority Class 3
Priority Class 4
Priority Class 5
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Implementation Plan

State Funding Request

In the future, as additional state projects are considered, Oakland University has need for the following based on program growth, opportunity and State needs:

South Foundation Hall Classroom Building Renovation & Expansion for STEM Core Courses

Oakland University's Capital Outlay Project proposal for 2020 is the transformation of South Foundation Hall (SFH), from our original general classroom building into a modern building featuring the latest technology equipped teaching and learning classrooms and collaboration spaces, targeted for our growing Science, Technology, Engineering, and Math (STEM) and human health curriculum. South Foundation Hall, constructed in 1959, is one of the oldest building on campus, already overpassed the service life of the building systems and does not support modern styles of teaching and learning. As reflected in its name, this building has provided a destination for our students to acquire the "foundation" for their professional curriculum. This facility continues to house the core course work, which is foundation for our degrees that are in the highest demand, such as Engineering, Nursing and business.

University Funded Priorities

Wilson Hall Expansion (funded)

Wilson Hall currently houses administration, a small number of classrooms, and the Meadowbrook Theatre. The need for additional administration and faculty offices is great, as is the need to consolidate student service functions. This expansion will address these issues and will provide an enhanced environment for students and staff.

Elliott School of Business Administration Expansion and Renovation

The expansion and renovation of the School of Business Administration Building will double the square footage of the current facility (Elliott Hall). Funded through design only.

Undergraduate Student Housing (funded)

The Southern Campus Housing Project construction is complete and ready for occupancy for the Fall 2018 semester. The project consists of 750 additional beds, a new dining facility and classrooms to support the growing demand for on campus student housing. Expanding housing is in keeping with the campus master plan goal of over 4,000 residential students.

Oakland Center Expansion (funded)

Expansion of the Oakland Center to accommodate additional dining facilities, student study areas, conference rooms, and other needed upgrades is nearing completion and will re-open for the Fall 2018 semester.

Galloway Creek Ecosystem Restoration Project (externally funded)

Improvements to the regional drainage system, which traverses the campus.

Future Projects Under Consideration

Our Comprehensive Campus Master Plan has identified short, midterm and long range opportunities for internal initiatives as well as external development opportunities. These include additional student housing, classroom and administrative facilities, athletics and recreation facilities, and performing arts center, among others. An update to the plan is underway and will consider development opportunities to campus edge districts. It will also address in greater detail the Meadowbrook Estate, its historic assets, and their important relationship to the main campus.

Plant Renewal / Deferred Plant Renewal

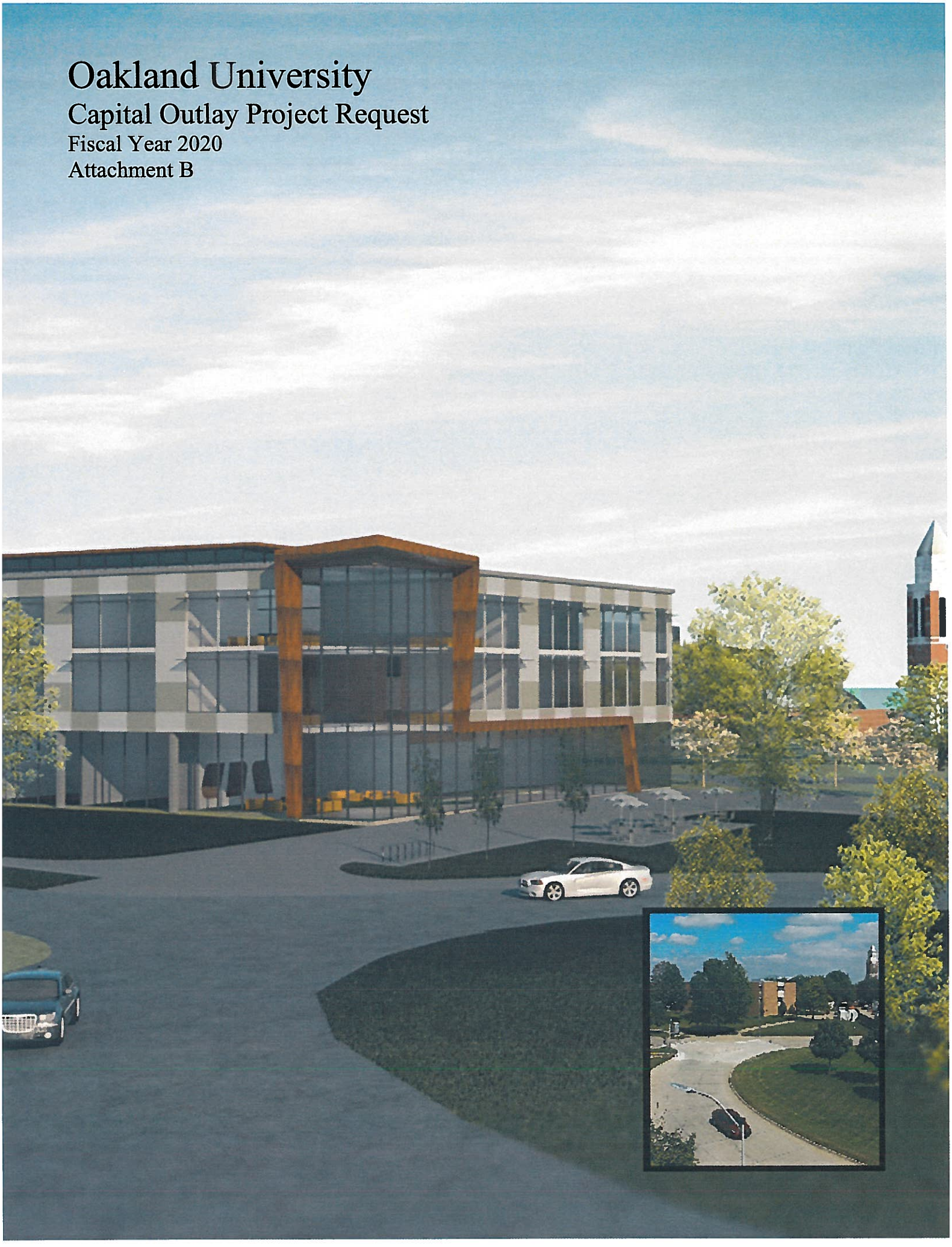
As previously noted, Plant Renewal and Deferred Plant Renewal projects total $194 million of the $216 million Facility Condition Analysis. The current average annual investment is approximately $1.6 million from General Fund budgets and maintenance endowments; approximately $3.5 million from Auxiliaries Maintenance Reserves; and $0.9 million from University Technology Services budgets.

Oakland University

Capital Outlay Project Request

Fiscal Year 2020

Attachment B



FISCAL YEAR 2020

CAPITAL OUTLAY PROJECT REQUEST

Institution Name: Oakland University

Project Title: South Foundation Hall Classroom Building Renovation & Expansion for STEM Core Courses

Project Focus: ☒ Academic ☐ Research ☐ Administrative/Support

Type of Project: ☒ Renovation ☒ Addition ☐ New Construction

Program Focus of Occupants: Classroom upgrade & addition for Core STEM classes

Approximate Square Footage: 55,041 sf of renovation and a 25,000 sf building addition

Total Estimated Cost: $40,000,000

Estimated Start/Completion Dates: Immediate design, construction will start one year after approval

Is the Five-Year Plan posted on the institution's public internet site? ☒ Yes ☐ No

Is the requested project the top priority in the Five-Year Capital Outlay Plan? ☒ Yes ☐ No

Is the requested project focused on a single, stand-alone facility? ☒ Yes ☐ No

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Describe the project purpose.

Oakland University's Capital Outlay Project proposal for 2020 is the transformation of South Foundation Hall (SFH), from our original general-purpose classroom building into a modern building featuring the latest technology equipped teaching and learning classrooms and collaboration spaces, targeted for our growing Science, Technology, Engineering, and Math (STEM), human health and business curriculum. South Foundation Hall, constructed in 1959, is one of the oldest buildings on campus, and has surpassed the service life of the building systems. This proposal will enhance the University's ability to support modern styles of teaching and learning. As reflected in its name, this building has provided a destination for our students to acquire the "foundation" for their professional curriculum. The facility continues to house the core coursework, which is foundation for our degrees that are in the highest demand, such as engineering, health sciences, nursing and business among others.

To date, less than 10% of the existing classrooms have been upgraded to the state-of-the-art style for teaching and learning. The old form of the "sage on the stage" and teacher focused lecture learning has evolved to the much more interactive and successful "guide on the side" and student focused style. The active learning approach is considered critical to student success because it requires that students actively engage with the material and instructor as opposed to passively taking notes. It is becoming an expected pedagogy in Higher Education and has also been widely adopted in K-12 thus incoming students are anticipating a collaborative and interactive style of modern teaching and learning. Incoming students are anticipating a collaborative and blended style of modern teaching and active learning which has been shown repeatedly to enhance student success.

The requested project would completely renovate the existing building and construct a 25,000 square foot addition to house classrooms for freshman and sophomore foundational coursework to provide them a rich educational learning experience. All classrooms and learning spaces would be configured to facilitate engaged learning with flexible layouts, right-size classrooms and spaces, equipped with advanced digital technologies and network communications, to bring multiple forms of media into the learning environment as well as collaborative style furniture. We seek to focus on creating active learning classrooms with immediate interactive communications to enhance student success in critical courses fundamental to progressing successfully into major classes.

However, the classroom experience is not the only determinant of student success. Engagement with support staff when students experience difficulty is another equally important variable. Students in the STEM, health and business fields all have to take courses that are challenging and, if not successfully completed, can derail their educational goals. Research suggests that providing strong support both inside and outside the classroom improves the likelihood of classroom success and ultimately graduation. The South Foundation Hall renovation will include academic support services for first- and second-year students and encourage maximal engagement between students and faculty, especially for teaching and learning foundational courses of STEM. We will include open collaboration areas where students can continue their work and where faculty and advisors can hold open sessions or simply engage with students. Students would be able to receive supplemental assistance, advising, and consultation with faculty and support staff in the same building. Making such services easily accessible, convenient and connected to the STEM, human health and business foundation courses will create a supportive community approach to student learning in

the critical first and second year, leading toward their success in a Bachelor's degree professional program and ultimately their transition into the workforce.

Goal 1 of our strategic plan is student success and we have established aggressive targets for student retention and graduation. To achieve this goal, we must provide the learning environments proven to enhance student success. We have been doing this on a classroom by classroom basis but South Foundation Hall requires more focused and reconstructive attention.

Renovation and expansion to South Foundation Hall is our top priority because:

- **It is transformational** – We can transform the learning environment for thousands of students across the STEM, human health and business curriculums taking required foundational courses critical to their ultimate academic success.
- **It benefits all OU students** since this is our primary classroom building. During the 2015-2016 academic year, almost 12,000 students (or one out of two Oakland University students) had at least one course in South Foundation Hall. This is the most active and occupied building on campus with 16.5% of all course registrations in a course taught in South Foundation Hall (24,879 registrations). As far as 'students in seats', it is the most used building on campus.
- **It will benefit first- and second-year students most**. For example, in 2015-2016, 71% of our freshman enrolled in at least one writing course per university requirements and many of these courses are offered in South Foundation Hall. This class is critical as a prerequisite for upper division courses across campus including writing intensive courses in STEM, human health and business.
- **It will improve efficiency** – The building is at maximum capacity for course scheduling but not seat scheduling; we need to right size the classrooms for the current use as well as make them flexible enough to accommodate changing learning methodologies. Course enrollments have not changed in South Foundation Hall since 2013-2014, because the building is at maximum capacity.
- **It will help us exceed retention and graduation goals** for the STEM, human health and business curriculums by providing onsite support services as well as collaboration space for students to work on team projects and to solve problems. In addition, study areas with appropriate technology will create a synergy among students and motivate them to be on a track leading to success.

The United States Center on Education and the Workforce projected that the United States will fall short by 3 million workers with postsecondary education by 2020 (Carnevale, Smith, Strohl 2013). By intentionally designing this building for

foundational courses, student success services and faculty interaction, we will be able to transform the learning environment to engage students at a critical stage of their transition to higher education, increase retention and ultimately shorten the path to graduation.

Describe the scope of the project.

This project is comprised of a renovation and expansion to South Foundation Hall, originally built as a general classroom building in 1958. The expansion will provide additional classroom spaces, which are crucial to addressing the current severe space shortages as well as to sustain the anticipated growth in enrollment in the STEM and human health areas.

Renovation: The renovation includes complete architectural and infrastructure transformation of the 55,041 square foot South Foundation Hall. Academic space improvements include transformation of existing classrooms and lecture rooms equipped with chairs with one arm that is broadened to serve as a writing surface (tablet-arm), to active-learning classrooms, including updates of furniture, finishes, technology and network communications to improve capacity utilization and flexibility. Classrooms will be "right sized" for smaller and more interactive class sizes and allow us to utilize this important building more efficiently and effectively.

Infrastructure improvements will include replacing original and obsolete building systems such as inefficient HVAC systems, building controls, electrical, lighting, network communications wiring and electronics, plumbing to improve systems reliability, health and safety, the learning environment, air quality, energy efficiency as well as water use reduction. Hazardous building materials, such as asbestos-containing insulation and floor tile, will be properly removed and disposed. Building accessibility and exterior envelope will be addressed to ensure SFH meets current building standards and ADA standards and will function efficiently well into the 21st century.

The building is located in the student center area of campus. The adaptive re-use of the spaces demonstrates Oakland University's commitment to the success of our students and the continued stewardship of campus assets and funds. In fact, as the building name suggests, this building use will enhance the delivery of courses that build the "foundation" for students to succeed in all curriculum and especially the STEM and human health areas.

Expansion: The proposed 25,000 square foot building expansion will provide a variety of technology-enabled learning environments, including active teaching and learning classrooms and seminar rooms; student support services, collaboration and project space; workspace for both full-time and adjunct faculty. Proposed major spaces include

breakout/seminar rooms, study areas and collaboration space, active learning classrooms, instructional labs, and faculty workspace. Classroom services will be located in the building to improve the operational efficiency of the technology infrastructure and support.

The addition of classrooms will help to satisfy the need for properly sized and configured spaces. Students' schedules can be more easily satisfied to allow the coordination of classes that are required for graduation. This will enhance the potential for academic student success and minimize the frustration of needing class overrides to taking classes that fit into the schedule.

The expansion extends the building towards the main entrance to the campus, making it the welcoming "front door". The current visual presence of the building is showing its age and the project will highlight the entrance during the design of the expansion. University branding will be used to further define the entrance.

Program focus of occupants.

In all of the campus educational offerings, including STEM, human health and business, freshman and sophomore students start their educational pursuits by completing foundational prerequisites. These courses provide the foundation for pursuing professional occupations that will enhance our state and national economy. Successful completion of the prerequisite courses is the first step students must complete in order to enter their chosen field. For example, a student in Health Sciences will complete 60% of their credits in the College of Arts and Sciences. Students in the School of Engineering and Computer Science take nearly 50% of their credits in the College. Introductory courses in writing, math, philosophy (ethics) and science lay the groundwork for success in engineering, healthcare and business. In fact, all students at Oakland University are required to take courses in writing, formal reasoning, science and western civilization delivered by faculty in our departments of Writing and Rhetoric, Mathematics and Statistics, Biology, Chemistry, Physics and Philosophy. This project will truly have a university-wide impact.

The recent-research commissioned by AAC&U, Carol Geary Schneider discovered that employers themselves are asking for greater emphasis on traditional outcomes such as "communications, analytic reasoning, quantitative literacy, broad knowledge of science and society, in addition to field-specific knowledge and skills." They are also asking for graduates with high levels of "global knowledge and competence; intercultural knowledge and skills; creativity and innovation; teamwork and problem-solving skills in diverse settings; information literacy and fluency; and ethical reasoning and decision

making". The modernization of SFH is imperative to achieve the student's success in these academic areas.

Oakland University is dedicated to furthering the success of all of our students. The renovated and expanded South Foundation Hall will house the core prerequisite courses. Students will be able to have a cohort of familiar students and faculty to ease their transition from high school to college and significantly improve their chances for successfully completing their Bachelor's degree studies.

1. **How does the project enhance Michigan's talent enhancement, job creation and economic growth initiatives on a local, regional and/or statewide basis?**

Approximately 70% of Oakland University undergraduates immediately enter the workforce upon graduation while 30% are admitted to graduate school or commit to military service. Oakland University is proud that nearly 100% of our students who enter the workforce choose to stay in Michigan to live and work.

Oakland University maintains close communication with employers to target student skills that meet employer needs and expectations. Over the last five years the number of students graduating in critical disciplines has increased by 36% overall. Students graduating with degrees in engineering have increased by 116% since 2011. In a recent study conducted by our Career Services department, we learned that the average annual salary of an Oakland graduate is $49,447. Oakland University is graduating students with a skill set needed to fill state, regional and local high paying jobs.

Whether students strive to be an engineer, a teacher or a doctor, recent surveys of CEOs and business leaders have stated that they are looking for employees who are skilled in written, oral and digital communication and have an in-depth knowledge of their specific field or major. By creating an environment that nurtures first- and second-year students, we lay the foundation for success in their intended majors. By modernizing the facility and its infrastructure to support up-to-date teaching and learning methodologies both in the classrooms and in the collaborative spaces, we will provide our students with the technical and soft skills knowledge demanded by business and industry.

In addition, the South Foundation Hall Renovation and Expansion Project will provide economic benefit to Oakland County as well as surrounding counties through the creation of new construction and skilled labor jobs over three years. It is estimated that

this project will support over 250 jobs in next three years for estimated wages of over $10,000,000 in the region.

2. How does the project enhance the core academic and/or research mission of the institution?

The core academic and research efforts at Oakland University are supported by funding through DOD, DOE, NIH, and NSF, as well as by many corporations and philanthropic organizations. This project will create learning spaces that will provide students the comfortable environment conducive for learning. By having the modernized facility, we will prepare our students to actively participate in research programs and enterprises in STEM, human health, and business.

The renovation of existing classroom spaces will create flexible, movable, interactive and engaged classrooms and lab spaces with student support services in the same area. In engaged classrooms, students learn to collaborate in teams, to think critically, and to solve problems at the same time they are learning course content. This type of learning also increases student engagement, course success, enhanced retention and ultimately increased graduation rates. Foundational courses can be barriers to students increasing time to degree or leading students to drop out altogether. Our goal is to improve our first-year retention rate from an average of 77% to 83%, and the six-year graduation rate from about 47% to 55% by 2025. This project, with its focus on classrooms and services that focus on student success, will provide the right environment for the students, faculty and staff to work together.

The 2025 Oakland University Strategic Plan first strategic goal is to "Foster student success through a robust teaching and learning environment and comprehensive student services". Student success indicators include retention and persistence, graduation, and successful career placement. As an institution we have embraced this goal and have provided opportunities for faculty to enhance their teaching skills, created an Office of Student Success, examined our processes to remove barriers to student success, participated with peer institutions from around the nation on efforts to focus on the First-Year Experience, Guided Pathways and Gateways to Completion programs and created our own Second-Year Experience program. We have also made many changes to our core teaching facilities. The renovation of South Foundation Hall to create an academic facility that focuses on the core classes will accelerate our efforts to provide high quality learning environments and other experiences for our students in the STEM, human health and business curriculum. It will also help the university achieve its goals of increasing our retention and graduation rates. Supporting students

through the first two years of their degree studies will enhance their academic confidence, and the successful entrance into their chosen field of study and subsequent graduation.

This building will become a space where students and faculty can join together to provide a culture of belonging. Research shows that a sense of belonging is integral for student success especially for first generation students and students from disadvantaged backgrounds (educationally and socioeconomically).

Oakland University is committed to having a sustainable campus environment. Resource management goals include the efficient use of existing spaces. In the Oakland University Master Plan, developed by Hanbury, Evans, Wright and Vlattas (Hanbury), the classroom utilization analyst noted that our classroom spaces are efficiently scheduled but they are occupied at less than capacity because we do not have the right mix of classroom sizes. The suggestion from our consultants was that we renovate South Foundation Hall, our "ground zero" classroom building, with the goal of improving seat occupancy. When students are overly crowded or when they have too much space, learning suffers. The project will enhance student learning and provide properly configured areas for academic and research pursuits.

3. Is the requested project focused on a single, stand-alone facility?

Yes. This project is focused on a single, stand-alone facility comprised of the renovation of the oldest academic building on campus and a 25,000 square foot building expansion. The existing space would be embedded with state-of-the-art technologies, more efficient fixtures, modern learning environment and finishes that enhance the learning spaces. To help students succeed in their prerequisite classes, spaces and functions would be aligned to create a better synergy for students and faculty, providing better access for collaboration, interaction, and modern active learning.

4. How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?

South Foundation Hall was constructed in 1959 and was the original location for classrooms to serve the small campus. As the campus grew and diversified we updated classrooms and buildings to accommodate the growth. This building has served the campus well over the years but is in need of more extensive work beyond a typical classroom upgrade. Furthermore, to meet the needs of today's higher education

standards, we must upgrade the building envelope and infrastructure systems, as well as optimize existing spaces for instructional and support use.

Initially, the projected cost for the construction of a new building was carefully considered. Based on current state and institutional fiscal constraints, it was determined that new construction standalone project was not a viable alternative. Renovation of an existing classroom facility with an expansion is a more cost-effective solution and more environmentally friendly. The renovation work will include installation of an adequately zoned energy efficient heating and cooling system in a space that currently has a 50-year old system with limited zones. Energy savings and occupant comfort will be gained with the installation of high-performance systems throughout.

Utilizing existing square footage by upgrading and repurposing a building is critical to the growth of the campus and demonstrates Oakland's commitment to efficient operations and sustainability. We believe, when possible, existing buildings that are structurally sound should be renovated and modernized to accommodate current academic programs.

5. **Does the project address or mitigate any current health/safety deficiencies relative to existing facilities?**

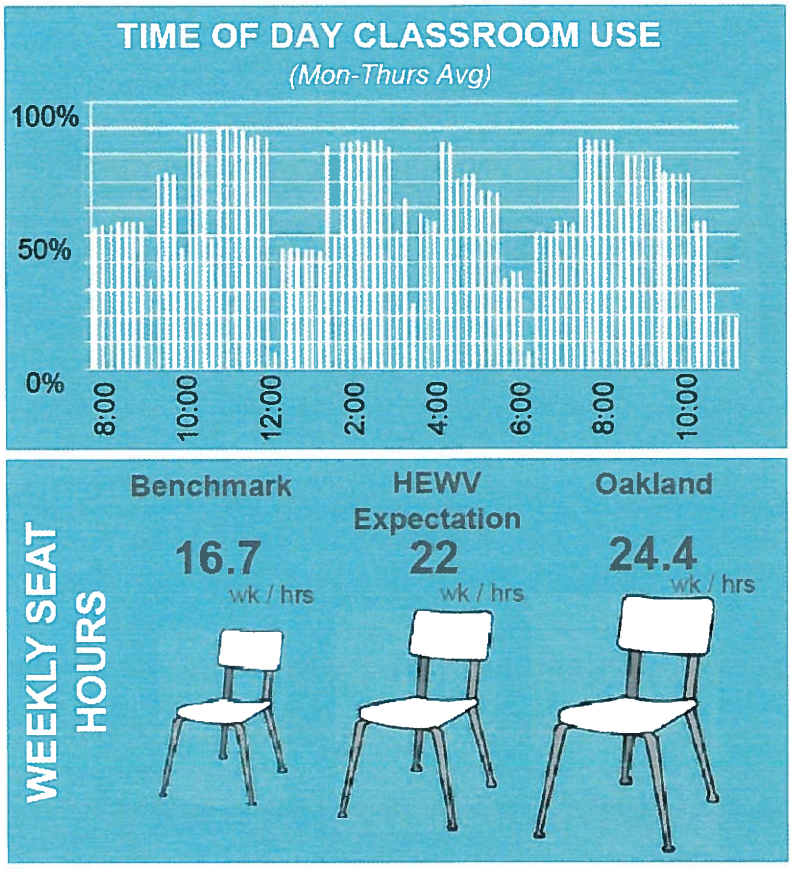
Yes, a primary focus of this capital outlay project is to address all life/safety issues identified in the current facility assessment including removal of asbestos-containing material, improved ventilation for health, updated fire suppression, ADA compliance, and updated exit and emergency lighting, etc. The project will address over $4 million of deferred maintenance including updates of grandfathered deficiencies that are still in use. This project will reduce the risk of failures for the existing components related to these systems.

One of the high priorities for this project is to make the building friendlier for students and others with disabilities. The building currently has only one service elevator that does break down making upper floors inaccessible to our students in wheelchairs or with mobility challenges. We have heard stories of students carrying a classmate up the stairs when the elevator is not functioning, which is a serious safety concern for both the disabled student and those trying to help him or her.

6. **How does the institution measure utilization of its existing facilities, and how does it compare relative to established benchmarks for educational facilities? How does the project help to improve the utilization for existing space and infrastructure, or conversely how does current utilization support the need for additional space and infrastructure?**

For the recently approved Oakland University Campus Master Plan, (https://wwwp.oakland.edu/facilities/campus-master-plan) classrooms and class laboratories were studied by Hanbury to show the level of use. With an average of 50 hours per week of usage per classroom, there is a current shortage of properly sized and configured classrooms, especially during the high demand class times.

The factors illustrated in the utilization study included the average hours per week of scheduled instructional use for each room, the average hours of scheduled use for each student seat, the percentage of student stations or seats filled when the rooms are scheduled, and the average square feet allocated to the student stations in the rooms. The 124 classrooms that were analyzed averaged 47 hours of scheduled use per week. The classrooms average 18 assignable square feet (ASF) per student station. The average for weekly seat hours of use was 24.4 hours.



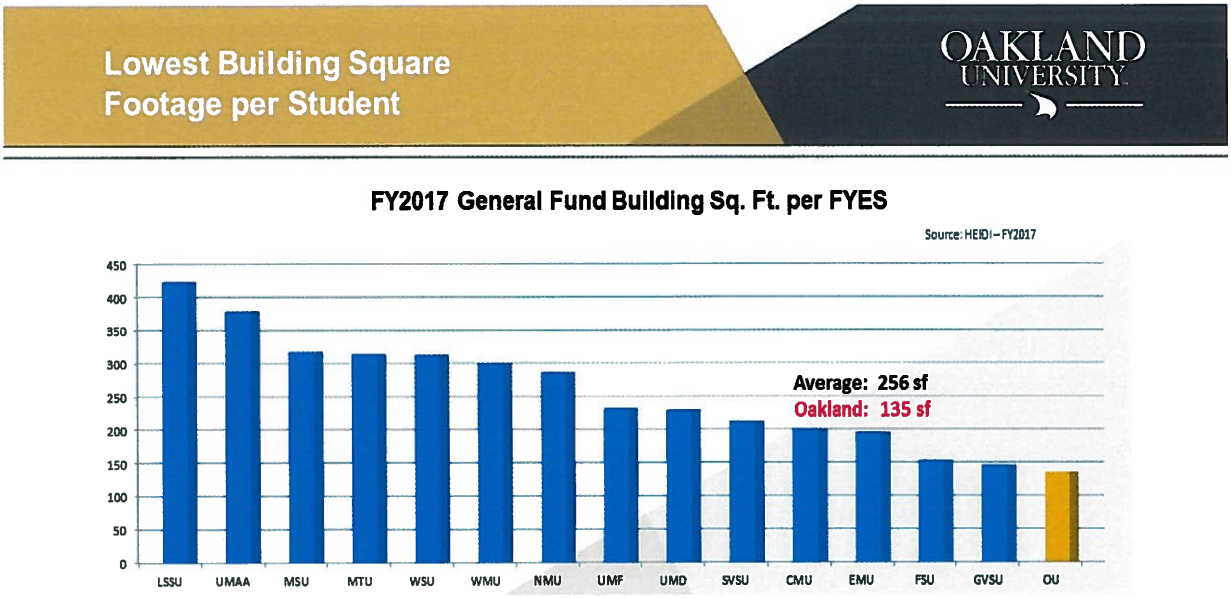
Benchmark data averaging the utilization finding from over a dozen public universities for which the consultant has previously done studies showed the average scheduled hours per week to average 29 weekly room hours (WRH). The average for weekly seat hours is 16.7 weekly seat hours. The benchmark average for percentage of seats occupied is 63%. The average of the benchmarked universities for classrooms is 20 ASF per student station. The expectation for average weekly room hours for similar institutions is in the range of 30 to 35 hours per week. The expectation for weekly seat hours is between 20 and 24. A common expected average for the percentage of seats filled is 65% to 70%. The expected average size of the student stations in classrooms is 18 to 22 ASF.

These findings show that both the average room hours per week of scheduled use for classrooms and the average weekly seat hours at Oakland University is considerably above the benchmarked average. Thus, there is a need for this expansion, which will house new classrooms, collaborative and support spaces and classroom laboratories.

The project will address two major issues. The first issue is addressing our critical need for additional classrooms. We have waitlists to add courses especially at the times our students most want to be in class. If we cannot add the courses students need, they cannot progress in their course of study leading to delays in graduation. The second issue is assuring that we have the appropriate classrooms for the activities in them. With more and more of our faculty and students demanding active learning and the research that says such learning is beneficial, static classrooms holding 75-80 students are not desirable. Our classroom consultant has suggested turning two classrooms into three in order to utilize South Foundation Hall more efficiently.

Without the additional space provided by this project, the University as a whole, will be highly challenged to meet student needs. Oakland has a significant shortage of full-time and part-time faculty offices and instructional areas. We understand that we have received significant support from the state in the past but due to many years of growth we are still trying to catch up so we can serve our students better. Compared to other similar universities and based on the space needs calculations, the University has a long term need for a significant increase of assignable square footage. This project will help relieve our classroom shortage and create collaboration space and faculty offices. The addition of some faculty offices contiguous to classrooms provides students easier access to faculty and improves their success rates.

The following chart compares the area per student for General Fund buildings at all state universities (source FY2017 HEIDI data). At 139 square feet per First Year Equivalent Student (FYES), Oakland University has the lowest value in the State of Michigan.



7. How does the institution intend to integrate sustainable design principles to enhance the efficiency and operations of the facility?

The integration of sustainable design principles to enhance the efficiency and operation of this building include saving energy and conserving resources, potable water use reduction, indoor environment, usage of recycled material, reduction of carbon footprint, and green environment, waste reduction and recycling are the primary objectives for all the construction projects of the university. LEED® Green Building principles (Leadership in Energy and Environmental Design) will be adhered to throughout the design and construction process as well as in post occupancy operation of the facility. Construction specifications will include reduction, reuse, and recycling of construction and packaging materials. Highlights of Oakland University's sustainability efforts include:

- Human Health Building: Our first LEED certified Platinum building as well as the first LEED certified Platinum building in Michigan, located on a university campus. The project was partially funded by the state.

- The Engineering Center: Our second LEED certified Gold building, and another state Capital Outlay funded project, implemented sustainable design principles and an innovative Trigeneration system to not only save and produce energy via two micro-turbines housed inside the building.
- Oak View Residence Hall: Our third LEED certified Gold building and the first LEED dormitory, implemented sustainable design principles and energy reduction strategies, and resulted in a sustainable campus living environment for our students.
- Hillcrest Hall: Oakland's most recently completed residence hall is also LEED certified Gold.
- Energy Performance Contracts: Oakland University completed various projects under the agreement of "Guaranteed Minimum Savings" in the last several years, including optimization of three chilled water plants and replacement of lighting for energy savings in various buildings.
- Sustainable Best Practices: Oakland University implemented sustainable best practices in the daily operation and maintenance of the facilities including green cleaning as well as landscaping.
- Replacement of older building equipment and systems, some dating from the 1950s. Upgrades include high-efficiency HVAC, lighting and plumbing systems and reducing the load on the older campus-wide heating and cooling infrastructure.
- Update to University standard occupancy-based controls to reduce heating, cooling, ventilation and lighting needs on a room-by-room level.
- Design the building envelope to minimize energy use and take advantage of passive energy reduction strategies.
- Exploit energy savings from newly installed co-generation system at the central heating plant. The co-generation system is currently saving the University more than $1.2 million annually.

The above actions and commitments demonstrate Oakland University's philosophy to adhere with sustainable design principles. Oakland will continue its sustainable design practices commitment for the proposed Capital Outlay project. We will transform an energy inefficient building into an energy efficient building meeting at least LEED Silver standards. These include but are not limited to an efficient HVAC system, LED light fixtures, improve on indoor air quality, low Volatile Organic Chemicals (VOC) paint and finishes, recycled content in flooring materials and other interior finishes,

integration of natural day lighting, high efficiency equipment, digital automatic building controls, waste reduction and recycling, low flow plumbing fixtures, etc.

The following projects are intended to be implemented during a major rehabilitation of the building:

Building Structure/Envelope:

1. Replacement of roof
2. Structural repair
3. Replace sealant
4. Replace building envelope

Interior/Accessibility:

5. Replace ceilings
6. Replace floor panels and tiles
7. Upgrade toilet rooms accessories

HVAC/Controls/Energy:

8. Replace pneumatic controls with Direct Digital Controls (DDC)
9. Replace enthalpy control for air-side economizer
10. Add interlock Building Management System (BMS) with space thermostats
11. Add CO2 sensors and demand-controlled ventilation
12. Replace supply air diffusers
13. Add control system router
14. Replace outdoor air monitoring station
15. Replace airflow measurement devices
16. Add airflow-measuring stations
17. Provide return air system to classrooms
18. Replace Thermafuser system with Variable Air Volume (VAV) boxes
19. Install new mixing box at each Air Handling Unit (AHU)
20. Replace split system for elevator machine room

Piping/Plumbing:

21. Replace heating hot water heat exchanger
22. Replace High Temperature Hot Water (HTHW) valve
23. Convert secondary heating hot water system to variable volume
24. Radiant ceiling heating system
25. Replace hot water recirculating pumps
26. Upgrade to low flow fixtures
27. Convert to automatic devices
28. Replace backflow preventer

Fire/Life Safety/Health:

29. New fire sprinkler system
30. Update fire alarm system
31. Upgrade toilet room ventilation

Electrical/Lighting:

32. Replace bus
33. Replace distribution power panel
34. Replace wiring
35. Replace receptacle panels
36. Replace lighting panels
37. Replace lighting with LED light fixtures
38. Replace transformers

Information Technology:

39. Upgrade information technology systems

Elevator:

40. Modernize elevator cab

8. **Are matching resources currently available for the project? If yes, what is the source of the match resources? If no, identify the intended source and the estimated timeline for securing said resources.**

Yes. Upon receiving the State funding approval, Oakland University plans are in place to immediately issue bonds to provide the required match. Oakland University has **existing** budget available to service the debt for the University's portion of the project at no incremental cost to students.

9. **If authorized for construction, the state typically provides a maximum of 75% of the total cost for university projects. Does the institution intend to commit additional resources?**

Yes. Oakland University is committed to providing the 25% required match, $10 million, to the total estimated project cost of $40 million and all operating costs.

10. **Will the completed project increase operating costs to the institution? If yes, provide an estimated cost (annually, and over a five-year period) and indicate whether the institution has identified available funds to support the additional cost.**

The South Foundation Hall Renovation Project is **expected to reduce operating costs of the existing spaces** due to significant infrastructure improvements and energy efficient upgrades. Based on collected and projected data, the utility costs for the current square feet will lower from $2.55 per square foot to $1.73 per square foot (see chart below) for South Foundation Hall. Meanwhile, upgrades to the existing mechanical systems will resolve deferred maintenance concerns for equipment dating nearly 50-years old.

South Foundation Hall			**55,041 SF**		
	Current $ per SF	**Current Amount**	**Future $ per SF**	**Future Amount**	**Estimated Savings**
Electric	$1.44	$79,038	$1.00	$55,041	$23,997
HTHW	$0.75	$41,215	$0.40	$22,016	$19,199
Water	$0.37	$20,365	$0.33	$18,164	$2,202
Total	**$2.55**	**$140,618**	**$1.73**	**$95,221**	**$45,397**

Operating costs for the enlarged building will increase due to an increased building area. Operating costs will be funded by a combination of campus wide cost containment initiatives, and reallocation of existing budgetary resources.

Project Annual and 5-Year Operating Budget (25,000 sf)

	$ /sf	Cost
Plant Engineering	0.04	$1,000
Custodial Cleaning	1.40	$35,000
Bldgs. & Grounds	1.00	$25,000
Plant Maintenance	0.21	$5,250
FM Administration	0.02	$500
Skilled Trades (persons)	2	$195,000
Purchase Utilities	1.73	$43,300
Security		$15,000
Insurance		$10,000
Annual Service Contacts		$80,000
Year 1 Total		$432,000
Year 2 (2% increase)		$440,640
Year 3 (2% increase)		$449,450
Year 4 (3% increase)		$462,900
Year 5 (3% increase)		$476,700
Total for 5 Years		**$2,261,690**

11. What impact, if any, will the project have on tuition costs?

None. This project would NOT cause a tuition increase. As stated in No. 8, budget exists to cover Oakland University's costs of this proposal.

12. If this project is not authorized, what are the impacts to the institution and its students?

The consequences related to not providing state support for this facility will result in a diminished quantity and quality of instructional space as well as collaborative learning spaces, which will be impacting directly on retention, development and success. We are currently struggling to meet the demand for classrooms for the entire University, including the School of Engineering and Computer Science, where we are experiencing explosive growth. Our ability to serve these and other students at the university will be greatly challenged if we are unable to complete this project. Current findings show a need for 41,000 ASF of classroom space. Despite good maintenance practices, the condition of South Foundation Hall would continue to deteriorate and require increased investment to resolve deferred maintenance without improvement in academic spaces. Most of the spaces would provide much less of an active learning environment than prospective students have experienced at the local high schools resulting in Oakland University being much less competitive in recruiting students, especially in the STEM, human health and business disciplines.

The lack of state funding will require Oakland University to continue to use the limited deferred maintenance funding to address the current maintenance issues. Currently, there is a deferred maintenance backlog of over $4 million. It is anticipated that the work will need to be conducted in smaller increments over a ten-year period. Consequently, a greater amount of the repair projects will need to be financed by increasing tuition and there is an increased possibility of costly emergency repairs.

13. What alternatives to this project were considered? Why is the requested project preferable to those alternatives?

Oakland University recently completed and approved a 10-year campus master plan to address growing enrollment, increasing on-campus residents, changing teaching, learning and research needs and how the only public four-year university in Oakland County would respond to those needs. The master plan evaluated ideal building locations and prioritized projects to meet critical needs.

The top priorities listed were to increase academic space on campus and to provide relevant 21st century active learning environments. Several locations for the academic spaces were proposed, including the selected site. Subsequent to the master plan, several alternatives were evaluated and abandoned in favor of this proposed renovation/expansion project.

A new facility, located at the northeast corner of campus was considered and was rejected due to high construction costs, utility costs and remoteness from the majority of students. A new standalone facility adjacent to South Foundation Hall would have been compromised due to space limitations. An addition to Varner Hall, the largest classroom building on campus, was considered in the past but was cost prohibitive at approximately three times the cost of this proposal.

This renovation/expansion project is preferable for multiple reasons – building condition and classroom space being the two most important. South Foundation Hall is the original classroom building, a primary instructional facility designed for a different era and different academic needs. While improving academic program space, this project resolves much needed building system upgrades and over $4 million of deferred capital renewal. Regardless of any approach the University selects to meet academic space needs, the mission-critical South Foundation Hall will need renovation to remain functioning.

South Foundation Hall is centrally located near the library, student union and admission office building, with vehicle parking and easy access for students, faculty and visitors. The campus master plan proposes to recast this part of campus as a more pedestrian-friendly, community-focused space, increasing the importance of this building for both academics and community engagement.