

**Agendum
Oakland University
Board of Trustees Formal Session
November 9, 2009**

**FISCAL YEAR 2011 FIVE-YEAR CAPITAL OUTLAY PLAN AND
FISCAL YEAR 2011 CAPITAL OUTLAY PROJECT REQUEST**

A Recommendation

1. **Division and Department:** Finance and Administration, Facilities Management, and Capital Planning and Design

2. **Introduction:** Annually, Oakland University (University) is required to submit its Five-Year Capital Outlay Plan (Plan) and top priority Capital Outlay Project Request (Project Request) to the Michigan Department of Management and Budget. 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 as its top priority a project to construct an Engineering Center and renovate vacated space in Hannah Hall. Attachment A is the proposed Plan. Attachment B is the proposed Project Request.

3. **Previous Board Action:** On October 30, 2008 the Board of Trustees (Board) approved the Fiscal Year 2010 Five-Year Capital Outlay Plan and Fiscal Year 2010 Capital Project Request.

4. **Budget Implications:** Funding to address a portion of the plant renewal items identified in the Plan is budgeted annually. Funding for the University's Project Request would be provided through capital appropriations (maximum of 75% of project costs), fund raising, reserves, and/or debt.

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.

6. **Personnel Implications:** None.

7. **University Reviews/Approvals:** The Plan is prepared and updated by Capital Planning and Design and reviewed by Facilities Management and the Vice President for Finance and Administration prior to submission to the President. The Project Request followed the same process and was also reviewed and endorsed by Academic Affairs leadership.

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Fiscal Year 2011 Capital Outlay Project Request
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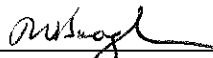
8. Recommendation:

RESOLVED, that the Board of Trustees approve the submission of the attached Fiscal Year 2011 Five-Year Capital Outlay Plan and Fiscal Year 2011 Capital Outlay Project Request to the State of Michigan, Office of the State Budget, as representative of Oakland University's capital budget needs.

9. Attachments:

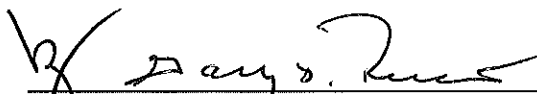
- A. Fiscal Year 2011 Five-Year Capital Outlay Plan
- B. Fiscal Year 2011 Capital Outlay Project Request

Submitted to the President
on 11/4, 2009 by



John W. Beaghan
Vice President for Finance and Administration
and Treasurer to the Board of Trustees

Recommended on 11/5, 2009
to the Board of Trustees for Approval



Gary D. Russi
President

ATTACHMENT A

OAKLAND UNIVERSITY

**Fiscal Year 2011
Five-Year Capital Outlay Plan**

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I. Mission Statement

“Oakland University has a three-fold mission. It offers instructional programs of high quality that lead to degrees at the baccalaureate, master’s, and doctoral levels as well as programs in continuing education; it advances knowledge and promotes the arts, through research, scholarship, and creative activity; and it renders significant public service. In all its activities, the University strives to exemplify educational leadership.”

II. Instructional Programming

Oakland University (Oakland, University or OU) 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 83 doctoral/research universities by the Carnegie Foundation for the Advancement of Teaching, the University offers students opportunities to work directly on research projects 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 efforts and commercialization opportunities in the region.

Oakland, in partnership with William Beaumont Hospitals, will bring the first M.D. granting medical school to Oakland County and the first new medical school started in Michigan in a generation. It has the potential to generate thousands of jobs and an economic impact of up to \$1 billion annually in the region, once it is fully operational.

The medical school will train physicians to practice 21st century medicine with an emphasis on research, technology, preventive and pre-symptom medicine, treatment and management of chronic disease, and teamwork. It will promote applied research “from the bench to the bedside,” assuring that scientific discoveries and new technologies are able to directly benefit patients in the most rapid timeframe possible.

Oakland has a strong undergraduate program in the basic sciences with an over 70 percent acceptance rate for pre-med students to medical school (much higher than the national average of 40.5 percent). Oakland is widely recognized for excellence in the biomedical

sciences and other health care related programs. It has a School of Nursing, a School of Health Sciences, a renowned Eye Research Institute, and highly regarded programs in bioengineering, informatics and nanotechnology as well as chemical toxicology, health and environmental chemistry, medical physics and biological communication.

Oakland University's other professional schools, including the Schools of Business Administration, Education and Human Services, Engineering and Computer Science, and the College of Arts and Sciences have been recognized nationally for various accomplishments.

A Leading University

Oakland is committed to providing undergraduate and graduate education marked by academic excellence, unique opportunities, and beyond-the-classroom experiences in preparing future leaders, advancing research frontiers and engaging with business, educational and community partners for the benefit of the region and beyond.

Through the dedication of inspired faculty, Oakland prepares students to make meaningful and substantial contributions to society and the workplace by producing graduates who can think critically and creatively, communicate effectively, navigate and use information technology, and interact well with others.

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 is among the fastest growing public universities in the state with student enrollment projections through 2020 including:

- continued enrollment growth to 25,000 students
- increased enrollment of minority students
- a significant increase in graduate students, responding to new program development, greater outreach activities and advanced technology-assisted education delivery

Over the last 12 years, the University has realized a 32 percent increase in enrollment and has added more than 59 new degree programs since 1995 to strengthen educational offerings.

Oakland's first-ever comprehensive campaign, officially launched in the spring of 2005, reached its goal of \$110 by raising \$111.8 million one year ahead of schedule. Funds will be used to support student scholarships, faculty chairs and professorships, research endowments, academic programming and capital enhancements..

Oakland has continued to keep pace with growth by providing new and advanced academic, research and support facilities, such as the:

- Science and Engineering Building
- renovated Hannah Hall
- Elliott Hall of Business and Information Technology
- Pawley Hall of Education and Human Services
- renovation and expansion of the Oakland Center
- renovation of O'Dowd Hall to provide additional classrooms and space for the Oakland University William Beaumont School of Medicine
- Recreation Center
- renovation and restoration at Meadow Brook Hall
- renovation and technology upgrades of South Foundation Hall
- Student Apartments
- The Honors College
- Parking structure
- Student Technology Center
- OU Writing Center
- Human Health Building, which will be located on the northwest corner of campus and is targeted for completion in 2012.

A Campus Master Plan accounts for expected growth and includes:

- recommendations for additional parking
- infrastructure improvements
- the identification of potential building sites
- a research and development park
- a new humanities facility
- possible future phases of student housing

Several upgrades, renovations and technological improvements were recently accomplished to various classrooms, laboratories and common areas. Primary laboratories to receive complete renovation were in Chemistry, Biology and Physics, including labs in Nursing, Art and Art History and Physical Therapy – all programs which have experienced large increases in student enrollment or are key components of Oakland 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. The University is committed to assisting start-ups and spin-outs to locate and secure technology development, business planning and capital acquisition as well as

providing opportunities for the licensing of Oakland University's intellectual assets. To foster emerging discoveries, the University features several noted research centers, including the:

- OU SmartZone Business Incubator
- Fastening and Joining Research Institute (FAJRI)
- Center for Robotics and Advanced Automation
- Eye Research Institute (ERI)
- Center for Integrated Business Research and Education (CIBRE)
- Center for Biomedical Research
- Prevention Research Center
- Center for Autism Research, Education and Support (OUCARES)

OU SmartZone Business Incubator: A collaboration with Automation Alley, the Great Lakes Interchange, the Michigan Economic Development Corporation, Oakland County and the City of Rochester Hills, OU INC provides the expertise and skills of faculty, students and corporate partners to area businesses in a variety of capacities, including entrepreneurial resources and business solutions to develop intellectual property.

Nine emerging companies are current clients with OU INC. Three of the nine have founders who came from the School of Engineering and Computer Science faculty. Six of the nine companies have retained 70 employees, and created 17 new jobs in 2007. Twelve OU students have joined OU INC and client companies as paid interns or employees. In 2007, OU INC received \$424,000 in external grant awards and corporate sponsorship gifts to make important commercialization and capital investment services support available to client companies.

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 Chrysler Corporation, 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: metals, composites, polymers, and bio materials. Due to its success and unique area of technical competence, FAJRI has been recently awarded a long-term research status as Army-funded National Center of Excellence (NCE) beginning in 2010. This NCE distinction will ensure a sustained level of long-term research collaboration with the army and industry, including automotive, aerospace, nuclear power and transportation.

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 William Beaumont Hospital Ophthalmology Department on research and provides a joint Ophthalmology residency and fellowship program. Since 1968, ERI scientists have received more than \$50 million 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 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 from Southeastern Michigan to 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.

Macomb 2 Oakland: Oakland University and Macomb Community College implemented the state's first joint admission, concurrent enrollment program called M20. One application coordinated advising and financial aid, and expanded course selection make it easy for those who live or work in Macomb County to seamlessly complete their associate and bachelor's degrees.

Eugene Applebaum College of Pharmacy and Health Sciences: An alliance between Oakland University's School of Health Sciences and Wayne State University provides Oakland's undergraduates a unique opportunity to earn a doctorate in pharmacy. Students can earn their bachelor's degree at OU while taking pharmacy classes at WSU and have the opportunity to complete the doctorate program in seven years, instead of eight, saving time and money.

Crittenton Hospital Medical Center:

Crittenton Hospital Medical Center has funded a \$2 million endowed professorship in Oakland University's School of Nursing that will change the clinical education and training of nursing students. The nursing professorship will conduct patient-focused research on the science and best practices of nursing, an area that has not received much attention to date. Using the Relationship Based Care Model (RBC), a cohort of 24 students began training and a second cohort of equal number will begin this fall. Students in the new program will conduct all of their clinical rotations at Crittenton Hospital Medical Center using the RBC Model. Relationship Based Care moves from an individual expert dynamic to one of engaging the patient, identifying options, relaying experiences and empowering the patient and his/her family to make the best treatment decisions.

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. Two UB-sponsored doctoral students are studying at Oakland University and three OU students have attended UB.

Israel's Max Stern Academic College: Oakland University offers global experiences for students and faculty through myriad overseas programs including a new 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.

Cooley Law School: Oakland University and Cooley Law School have enjoyed a successful partnership since 2002, when Cooley first offered its Jurist Doctor (JD) law program on Oakland's campus. Since then, several other Cooley programs have been offered at OU, including Master of Laws degrees in Taxation and Intellectual Property Law and a degree-sharing program that allows students to obtain both a JD and MBA or MPA degree. The recently opened Thomas M. Cooley Law School-Auburn Hills campus is the exclusive educational partner law school of Oakland University.

The Pawley Learning Institute: Established through a gift from Dennis Pawley, 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.

Applied Technology in Business: This program combines a rigorous education with hands-on training in the application of information technology in business. Students earn a scholarship along with a minor degree in Applied Technology in Business while tackling projects on-site at sponsoring organizations over the course of two years.

St. John Health System at Conner Creek: Oakland continues to find new ways to fill Michigan's severe nursing shortage. Through this partnership, students in the Accelerated Second Degree Nursing program take clinical laboratory courses at Conner Creek, the former Holy Cross Hospital in Detroit.

Undergraduate research opportunities:

More than 100 undergraduate students have earned Undergraduate Student Research Awards, working closely with faculty mentors to gain valuable hands-on research experience. The awards provide up to \$1,500 and travel opportunities to present student research results at regional, national or international conferences.

Instructional Technology

Instructional technology enhancements in the classrooms have become 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 features.

Enhanced technology classrooms are equipped with the following features:

- Multimedia workstation containing: a rack mounted computer hardwired to

- campus network; a digital document camera; an electronic whiteboard; a rack mounted VCR/DVD combination player; an interface to plug in a user provided laptop computer, an interface to plug in an accessory analog audio/video device; speaker system; and an electronic push button control system
- Ceiling mounted video/data projection system connected to the multimedia workstation
 - Wireless network access

Oakland continues to offer courses via distance education. The three modes of delivery include live interactive video, synchronous and asynchronous web-based learning opportunities.

The Internet is the current transmission vehicle for the University's live two-way compressed video course offerings. The ongoing development and interest in online learning courses and programs has reduced the need to utilize the more expensive live interactive video distance learning model and thus there is less of a need to maintain high cost video conferencing systems and resources. However, the growth in web based learning models will continue to expand in the foreseeable future.

Oakland University supports a web-based Course Management System (CMS) solution utilizing Moodle. 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 student. Moodle offers online activities such as discussion boards, chat, quizzes, gradebook, file storage and display, RSS feeds, wikis, journals, workshops, automated lessons. We also support another separate instance of Moodle that is our e-Portfolio. It includes digital space for student career portfolios, department assessment activities, student organizations, and other administrative and academic areas for any requested online meetings.

lluminate is a new web-based synchronous learning, video-conferencing solution Oakland is offering where students are able to participate in live class meetings from any computer connected to the Internet. Another teaching tool is Second Life, an experimental island where several faculty meet their classes.

During the Winter 08 semester, Oakland offered 86 course sections that are fully online and approximately one third of all course sections are providing some level of web supplemented activity. Oakland also offers three online programs, RN/BSN degree, (a completion degree of a Bachelor of Science in Nursing for registered nurses), the Autism Collaborative Endorsement (ACE), and the Education Specialist Degree (Ed.S.). In addition, there are approximately 14 partially online programs.

Scantron machines and software are also supported centrally for grading exams and processing course evaluations.

Technological 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.
- On-line registration.
- Extensive wired and wireless network to all classroom buildings and surroundings.
- Elliott Hall of Business and Information Technology, a \$17.5-million, 74,000-square foot, technology-rich facility.
- The Pawley Hall of Education & Human Services Building with 24 enhanced technology classrooms and an all digital video recording, playback and archive system in the School's Counseling Center.
- Significant interactive television and video conferencing capability to supplement instruction and administrative program activity.
- On-line web-based course offerings to students utilizing Moodle.
- Other teaching and learning software, such as CourseWeb, Scantron, Turnitin, Second Life, Camtasia, I-clicker, and Visual Communicator.
- Major classroom renovation projects that included significant technology enhancement in older campus buildings continue to be a priority objective.

Helpdesk Operations

Oakland University provides a central helpdesk operation which supports all instructional and information technology service needs throughout the Institution.

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 Department of Music, Theatre and Dance offers more than 100 student and faculty performances throughout the school 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 fourth 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.

The Oakland University Art Gallery (OUAG), housed in the Department of Art and Art History, continues to garner critical acclaim for the quality and scope of its exhibitions. From September to May, the OUAG presents six different exhibitions – anything from Russian icons to Native American art to cutting-edge art produced by breakthrough Michigan artists. The gallery also offers lectures, performances, tours, special events and more. More than 20,000 visit OUAG each year to experience art and cultural programs.

Outdoor summer amphitheatre, Meadow Brook Music Festival, hosts today's top concerts including rock, alternative, adult contemporary, pop, country, the Detroit Symphony Orchestra, rhythm and blues, and family entertainment.

Community Outreach

In the nearly six 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. Oakland considers Rochester its "hometown community" based on its long history with the city dating to the University's founding.

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.

Oakland proudly partners with its other neighboring communities including Auburn Hills, Pontiac, and Rochester Hills. Students are involved in downtown Rochester events including an annual holiday parade, attracting more than 100,000 spectators. 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.

OU and the City of Pontiac have a long history together through programs such as GEAR UP, which helps students in the Oak Park as well as Pontiac school districts; Project Upward Bound, which helps thousands of Pontiac students 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.

Oakland University-Macomb is involved in various community service efforts including sponsorship of Turning Point's annual fundraising event and Tara Grant Memorial Run Walk. This past holiday season, OU-Macomb staff and students made donations to Turning Point and its resale shop, Second Hand Rose. In addition, students in the Future Educators club donated over 100 books to Mt. Clemens King Academy.

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.

The Advising Resource Center connects new students with OU 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.

Oakland's Trustee Academic Success scholarship program (OUTAS) 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.

Oakland's OU Writing Center in Kresge Library, established through a leadership gift from OU professor emeriti of English, Joan Rosen, assists hundreds of students each year. The writing center provides assistance to students to develop and incorporate effective writing and communications skills in all subject areas.

Oakland's Honors College offers highly motivated students seeking a rich, valuable and challenging undergraduate education an intimate, intellectually friendly and challenging atmosphere. Small classes average 10 to 20 students and allow for more interaction between the professor and other students. The program offers a specially designed core of general education courses in art, literature, western civilization, international studies, social science, mathematics, logic, computer science, natural science and technology.

Oakland's Student Technology Center serves as a digital hub for the promotion, instruction and support of technology literacy. Through the center, professional system specialists, combined with undergraduate student technology mentors, provide training and support in one-on-one or group sessions to students. This support helps students become proficient in technology, complete coursework in various disciplines, conduct University-related business transactions and work-related tasks, and improve personal growth skills.

OU has more than 170 student organizations that encourage student involvement and social opportunities.

The Recreation Center hosts a number of activities throughout the academic year in which students may get involved, including self-defense and other safety classes, scuba diving courses and many others. This state-of-the-art facility draws more than 5,000 participants a week for recreation and swimming, and record crowds at men's basketball games.

Oakland University Degree Programs

UNDERGRADUATE DEGREE PROGRAMS (132)

College of Arts and Sciences (98)

Bachelor of Arts - CASBA (56)

- 1045 Independent Major
- 1450 Cinema Studies
- 1055 Art History
- 1070 Studio Art
- 1075 Studio Art - Spec in Drawing
- 1080 Studio Art - Spec in Painting
- 1085 Studio Art - Spec in Photography
- 1090 Studio Art – Spec in Media Mail
- 1105 Biology
- 1230 Chemistry
- 1405 English
- 1410 English w/Concentration in Linguistics
- 1505 History
- 1605 African African-Amer Studies
- 1610 East Asian Studies - China
- 1615 East Asian Studies - Japan
- 1620 South Asian Studies
- 1625 Latin American Studies
- 1630 Slavic Studies
- 1705 Linguistics
- 1710 Linguistics - Modified
- 1805 Mathematics
- 1980 French Language and Literature
- 1985 French - Modified
- 2010 German Language and Literature
- 2015 German w/Concentration in German Studies
- 2020 German – Modified
- 2040 Japanese Languages and Literatures
- 2060 Latin American Language and Civilization
- 2100 Spanish Language and Literature
- 2110 Spanish - Modified
- 2130 Two Modern Languages
- 2205 Music
- 2290 Dance
- 2294 Theatre
- 2375 Philosophy
- 2380 Philosophy - Modified
- 2385 Philosophy - Modified w/Concentration in Linguistics
- 2405 Physics
- 2510 International Relations
- 2515 Political Science
- 2605 Psychology
- 2615 Psychology - Modified w/Concentration in Linguistics
- 2705 Communication

2715 Communication - Modified w/Concentration in Linguistics
2735 Journalism
2805 Sociology/Anthropology
2810 Anthropology
2815 Anthro - Modified w/Concentration in Linguistics
2820 Sociology
2825 Sociology - Modified w/Concentration in Linguistics
2830 Sociology w/Specialization in Criminal Justice (2 + 2)
2865 Women and Gender Studies
2870 Writing and Rhetoric
3700 Economics

Bachelor of Fine Arts – BFA (4)

2283 Acting
2285 Music Theatre
2290 Dance
2296 Theatre Design & Technology

Bachelor of Music - BM (8)

2240 Music - Vocal Performance
2245 Music - Piano Performance
2250 Music - Composition
2265 Music - Instrumental Performance
2270 Choral/General Music Education
2272 Instrumental/General Music Education
2278 Instrumental/General Music Education/Performance
2279 Choral/General Music Education/Performance

Bachelor of Science - CASBS (12)

1105 Biology
1110 Modified Major in Biology with Concentration in Applied Statistics
1120 Biology w/Spec in Cell-Molecular Biology
1125 Biology w/Spec in Anatomy
1130 Biology w/Spec in Microbiology
1225 Biochemistry
1230 Chemistry
1805 Mathematics
1835 Applied Statistics
2405 Physics
2420 Medical Physics
2530 Public Admin and Public Policy

Bachelor of Science – ENVSCI (4)

1246 Env Hlth Spec Public Health
1251 Env Health Spec Env/Res Mgt
1256 Env Hlth Spec Occ Hlth Safety
1261 Env Hlth Spec Toxic Subs Cntrl

Bachelor of Social Work – BSW (1)

2860 Social Work

K-12 Education Programs (8)

- 1070 Studio Art
- 1075 Studio Art – w/Specialization in Drawing
- 1080 Studio Art – w/Specialization in Painting
- 1085 Studio Art – w/Specialization in Photography
- 1090 Studio Art – w/Specialization in New Media
- 1992 French w/K-12 Certification
- 2027 German w/K-12 Certification
- 2122 Spanish w/K-12 Certification

Secondary Education Programs (5)

- 1140 Biology w/Secondary Cert
- 1240 Chemistry w/Secondary Cert
- 1430 English w/Secondary Cert
- 1515 History w/Secondary Cert
- 1825 Mathematics w/Secondary Cert

School of Business Administration (9)

Bachelor of Science - SBABS (9)

- 3100 Accounting
- 3200 Finance
- 3300 General Management
- 3400 Human Resource Management
- 3500 Management Information Systems
- 3600 Marketing
- 3700 Economics
- 3705 Business Economics
- 3806 Operations 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 (6)

Bachelor of Science (2)

- 5020 Computer Science
- 5070 Information Technology

Bachelor of Science in Engineering (4)

- 5120 Computer Engineering
- 5140 Electrical Engineering
- 5160 Mechanical Engineering
- 5185 Industrial & Systems Engineering

School of Health Sciences (11)

Bachelor of Science (11)

- 6020 Health Sciences

- 6041 Occupational Safety and Health
- 6050 Wellness, Health Promotion, and Injury Prevention
- 6061 Medical Laboratory Science
- 6062 MLS: Cytotechnology
- 6063 MLS: Histotechnology
- 6065 MLS: Nuclear Medical Technology
- 6066 MLS: Radiation Therapy
- 6067 MLS: Clinical Lab Science
- 6068 MLS: Radiologic Technology
- 6070 Applied Health Sciences

School of Nursing (2)

Bachelor of Science in Nursing (2)

- 7020 Nursing
- 7040 Nursing (Completion Sequence)

University Programs (1)

Bachelor of Integrative Studies (1)

- 7605 Integrative Studies

**Bachelor of Science Offered Jointly between the College of Arts and Sciences
and School of Engineering and Computer Science (3)**

- 5040 Engineering Chemistry
- 5050 Engineering Biology
- 5060 Engineering Physics

UNDERGRADUATE CONCENTRATIONS AND MINORS

Undergraduate Concentrations (22)

1435 American Studies
2850 Archeology
2858 Criminal Justice
1270 Environmental Studies
1437 Film Aesthetics and History
1995 French Studies
2016 German Studies
6015 Pre-Physical Therapy
6021 Pre-Health Professional Studies
6022 Pre-Pharmacy
6023 Integrative Holistic Medicine
6240 Exercise Science
6030 Health Behavioral Sciences
6071 Medical Assistant Studies
6072 Respiratory Therapy
6073 Health Information Technology
6074 Surgical Technology
6075 Occupational Therapy Assistant
6076 Physical Therapist Assistant
1152 Pre-Medical Studies in Med/Den/Opt/Vet
2856 Religious Studies
2855 Urban Studies

Undergraduate Minors (72)

3100 Accounting
2740 Advertising
1605 African American Studies
2810 Anthropology
1810 Applied Mathematics
4355 Applied Leadership Skills
1835 Applied Statistics
3810 Applied Technology in Business
1055 Art History
1105 Biology
1230 Chemistry
1956 Chinese Language
1955 Chinese Language and Civilization
2841 Christianity Studies
2705 Communication
5020 Computer Science
5021 Computing
2290 Dance
1611 East Asian Studies
3700 Economics
1405 English

3850 Entrepreneurship
1266 Environmental Science
6240 Exercise Science
3200 Finance
1981 French Language
1980 French Language and Literature
3315 General Business
2011 German Language
2010 German Language and Literature
2016 German Studies
1095 Graphic Design
1505 History
4320 Human Resource Development
3400 Human Resource Management
3302 International Management
2510 International Relations
5070 Information Technology
2842 Islamic Studies
2035 Japanese Lang and Civ
2735 Journalism
2843 Judaic Studies
4350 Labor and Employment Studies
1625 Latin American Studies
1705 Linguistics
3500 Management Information Systems
3600 Marketing
1805 Mathematics
2205 Music
6055 Nutrition and Health
6041 Occupational Safety and Health
2375 Philosophy
2405 Physics
2515 Political Science
3805 Production/Operations Mgt
2605 Psychology
2742 Public Relations
2530 Public Administration and Public Policy
3800 Quantitative Methods
1630 Slavic Studies
2820 Sociology
1620 South Asian Studies
2101 Spanish Language
2100 Spanish Language and Lit
1070 Studio Art
2294 Theatre
1147 Three Science
4900 Training & Development

**OAKLAND UNIVERSITY
GRADUATE PROGRAM REPORT (117)**

Doctor of Philosophy (13)

PH1900 Sciences Applied Mathematical
PH1115 Biomedical Sciences: Biological Communication
PH1350 Biomedical Sciences: Health and Environmental Chemistry
PH2490 Biomedical Sciences: Medical Physics
PH5030 Computer Science and Informatics
PH4951 Education: Educational Leadership
PH4950 Education: Counseling
PH4952 Education: Early Childhood Education
PH5540 Electrical and Computer Engineering
PH5160 Mechanical Engineering
PH2305 Music Education
PH4940 Reading Education
PH5180 Systems Engineering

Doctor of Physical Therapy (2)

DP6220
DT6221

Doctor of Science in Physical Therapy (1)

DS6220

Doctor of Nursing Practice (1)

DN7400

Education Specialist (1)

ED4651 Leadership

Master of Arts (6)

MA1105 Biology
MA4400 Counseling
MA1405 English
MA1505 History
MA1705 Linguistics
MA1805 Mathematics

Master of Arts in Liberal Studies (1)

MA1700

Master of Accounting (1)

MA3100

Master of Arts in Teaching (3)

MT4120 Elementary Education
MT4500 Reading and Language Arts

MT4220 Secondary Education

Master of Business Administration (1)

MB3900

Master of Education (5)

ME4700 Early Childhood Education

ME4610 Educational Leadership

ME4620 Educational Studies

ME4800 Special Education

ME4615 Teacher Leadership

Master of Music (8)

MM2335 Conducting

MM2340 Instrumental Pedagogy

MM2345 Instrumental Performance

MM2305 Music Education

MM2320 Piano Pedagogy

MM2325 Piano Performance

MM2310 Vocal Pedagogy

MM2315 Vocal Performance

Master of Public Administration (1)

MP2560

Master of Science (17)

MS1835 Applied Statistics

MS1105 Biology

MS1230 Chemistry

MS5020 Computer Science

MS5540 Electrical and Computer Engineering

MS5620 Embedded Systems

MS5560 Engineering Management

MS6240 Exercise Science

MS5185 Industrial and Systems Engineering

MS1860 Industrial Applied Mathematics

MS3550 Information Technology Management

MS5160 Mechanical Engineering

MS6220 Physical Therapy

MS2405 Physics

MS6045 Safety Management

MS5590 Software Engineering and Information Technology

MS5180 Systems Engineering

Master of Science in Nursing (6)

MS7270 Adult Gerontological Nurse Practitioner
MS7265 Adult/Acute Clinical Nurse Specialist
MS7280 Family Nurse Practitioner
MS7220 Nurse Anesthesia
MS7285 Nursing Education
MS7290 RN to MSN

Master of Training and Development (1)

MD4900

Graduate Certificate (23)

GC4551 Advanced Microcomputer Applications
GC6245 Clinical Exercise Science 18
GC6248 Complementary Medicine and Wellness
GC2335 Conducting
GC6246 Corporate and Worksite Wellness
GC4660 Educational Administration
GC6240 Exercise Science
GC2345 Instrumental Performance
GC4625 International Education
GC4550 Microcomputer Applications
GC2305 Music Education
GC6233 Neurological Rehabilitation
GC7285 Nursing Education
GC6230 Orthopedic Manual Physical Therapy
GC6232 Orthopedics
GC6231 Pediatric Rehabilitation
GC2320 Piano Pedagogy
GC2325 Piano Performance
GC1880 Statistical Methods
GC6234 Teaching and Learning for Rehabilitation Professionals
GC1720 Teaching English as Second Language
GC2310 Vocal Pedagogy
GC2315 Vocal Performance

Post Masters Graduate Certificate (26)

PM3100 Accounting
PM7270 Adult Gerontological Nurse Practitioner
PM4561 Advanced Reading, Language Arts and Literature
PM3705 Business Economics
PM2335 Conducting
PM3850 Entrepreneurship
PM7280 Family Nurse Practitioner
PM3200 Finance
PM3300 General Management
PM4670 Higher Education
PM3400 Human Resources Management
PM2345 Instrumental Performance
PM3305 International Business
PM2568 Local Government Management

PM3500 Management Information Systems
PM3600 Marketing
PM2305 Music Education
PM2567 Nonprofit Organization & Management
PM7220 Nurse Anesthesia
PM7285 Nursing Education
PM2320 Piano Pedagogy
PM2325 Piano Performance
PM3805 Production/Operations Management
PM4560 Reading, Language Arts and Literature
PM2310 Vocal Pedagogy
PM2315 Vocal Performance

III. Staffing and Enrollment

The following tables and graphs are provided:

Figure 1 - Faculty and Staff Full Time Equivalent (FTE) by Program, FY 2007-08

This chart shows the FTE for faculty, administration and clerical/service for both instructional disciplines and non-instructional program classes.

| | | FACULTY | ADMINISTRATION | CLERICAL AND SERVICE |
|-------|----------------------------|----------------|-----------------------|-----------------------------|
| 5 | AREA STUDIES | 13.03 | 0.00 | 0.76 |
| 9 | COMMUNICATION | 38.19 | 0.00 | 0.49 |
| 11 | COMPUTERS | 15.60 | 3.58 | 1.62 |
| 13 | EDUCATION | 112.70 | 10.72 | 23.62 |
| 14 | ENGINEERING | 35.42 | 8.31 | 6.33 |
| 16 | FOREIGN LANGUAGES | 44.99 | 0.42 | 3.20 |
| 23 | ENGLISH & LETTERS | 69.45 | 0.96 | 3.61 |
| 24 | LIBERAL ARTS | 4.39 | 0.00 | 0.34 |
| 26 | BIOLOGY | 23.66 | 4.73 | 3.80 |
| 27 | MATH | 35.83 | 1.48 | 3.22 |
| 30 | MULTI/INTERDISCIPLINARY | 0.61 | 0.00 | 0.00 |
| 31 | PARKS RECREATION & FITNESS | 6.38 | 0.00 | 0.00 |
| 38 | PHILOSOPHY | 14.42 | 0.09 | 0.75 |
| 40 | PHYSICAL SCIENCES | 28.08 | 12.17 | 5.19 |
| 42 | PSYCHOLOGY | 17.72 | 0.09 | 1.80 |
| 44 | PUBLIC ADMINISTRATION | 3.60 | 0.00 | 0.00 |
| 45 | SOCIAL SCIENCES | 42.61 | 0.92 | 2.46 |
| 50 | VISUAL & PERFORMING ARTS | 54.60 | 5.92 | 9.36 |
| 51 | HEALTH PROFESSIONS | 3.66 | 0.00 | 0.00 |
| 51.16 | NURSING | 37.67 | 1.44 | 0.42 |
| 51.22 | PUBLIC HEALTH | 5.51 | 0.00 | 0.00 |
| 51.99 | OTHER HEALTH PROFESSIONALS | 20.50 | 3.26 | 2.73 |
| 52 | BUSINESS | 75.98 | 6.64 | 9.95 |
| 54 | HISTORY | 19.60 | 0.41 | 1.90 |
| | TOTAL INSTRUCTION | 724.20 | 61.14 | 81.55 |
| | RESEARCH | | 10.85 | 1.06 |
| | PUBLIC SUPPORT | | 1.36 | 0.00 |
| | ACADEMIC SUPPORT | | 151.69 | 106.64 |
| | STUDENT SERVICES | | 64.94 | 73.24 |
| | INSTITUTIONAL SUPPORT | | 109.96 | 77.86 |
| | PLANT OPERATION & MAINT | | 12.21 | 100.28 |
| | AUXILIARY ENTERPRISES | | 25.31 | 2.66 |
| | TOTAL FTEs | 707.70 | 437.46 | 443.29 |

Figure 2 - Student Credit Hours by Level and by Program, FY 2008-09
 This chart shows credit hours awarded by instructional discipline.

| CIP | | Lower | Upper | Masters | Doctoral | Total |
|--------------|-----------------------------------|----------------|----------------|----------------|-----------------|----------------|
| 05 | Area Studies | 10,056 | 1,008 | | | 11,064 |
| 09 | Communication | 8,568 | 11,231 | | | 19,799 |
| 11 | Computer Science | 4,598 | 2,072 | 1,040 | 30 | 7,740 |
| 13 | Education | 968 | 16,078 | 22,820 | 4,723 | 44,589 |
| 14 | Engineering | 3,221 | 4,769 | 3,356 | 488 | 11,834 |
| 16 | Modern Languages | 18,288 | 4,106 | 490 | | 22,884 |
| 23 | English | 30,161 | 10,128 | 546 | | 40,835 |
| 24 | Liberal Arts | 1,496 | 53 | 136 | | 1,685 |
| 26 | Biology | 42 | | | | 42 |
| 27 | Math | 18,868 | 7,836 | 598 | 8 | 27,310 |
| 30 | Multi/Interdisciplin. Sciences | 21,332 | 1,272 | 970 | 84 | 23,658 |
| 31 | Parks, Recreation & Fitness | | 514 | | | 514 |
| 38 | Philosophy | 2,254 | 1,334 | 1,051 | | 4,639 |
| 40 | Physical Sciences | 8,296 | 1,292 | | | 9,588 |
| 42 | Psychology | 21,176 | 1,455 | 603 | 224 | 23,458 |
| 44 | Public Administration | 14,116 | 3,638 | 4 | | 17,758 |
| 45 | Social Science | 196 | 1,114 | 1,030 | | 2,340 |
| 50 | Fine Arts | 19,650 | 11,020 | 361 | | 31,031 |
| 51.16 | Nursing | 17,460 | 6,117 | 434 | 128 | 24,139 |
| 51.22 | Public Health | 7,641 | 15,314 | 2,585 | 867 | 26,407 |
| 51.99 | Other Health Professions | 418 | 1,684 | 91 | | 2,193 |
| 52 | Business | 4,454 | 6,150 | 3,124 | 1,612 | 15,340 |
| 54 | History | 12,030 | 28,458 | 7,749 | | 48,237 |
| Total | | 234,237 | 140,573 | 47,262 | 8,164 | 430,236 |

Figure 3 - Degrees Awarded by Program, FY 2007-08
 This chart shows the degrees awarded by program.

| CIP | | Bachelor's | Post Bachelor's | Master's | Post Master's | Doctoral | Total |
|------|-----------------------------|--------------|--------------------|------------|------------------|-----------|--------------|
| 05 | Area Studies | 20 | 0 | 0 | 0 | 0 | 20 |
| 09 | Communication | 258 | 0 | 0 | 0 | 0 | 258 |
| 11 | Computer Science | 23 | 0 | 40 | 0 | 0 | 63 |
| 13 | Education | 223 | 46 | 431 | 90 | 14 | 804 |
| 14 | Engineering | 119 | 0 | 98 | 0 | 13 | 230 |
| 15 | Engineering Management | 0 | 0 | 11 | 0 | 0 | 11 |
| 16 | Modern Languages | 45 | 0 | 3 | 0 | 0 | 48 |
| 23 | English | 103 | 0 | 16 | 0 | 0 | 119 |
| 24 | Liberal Arts | 119 | 0 | 2 | 0 | 0 | 121 |
| 26 | Biology | 94 | 0 | 4 | 0 | 2 | 100 |
| 27 | Math | 20 | 1 | 8 | 0 | 4 | 33 |
| 31 | Parks, Recreation & Fitness | 0 | 0 | 5 | 0 | 0 | 5 |
| 38 | Philosophy | 11 | 0 | 0 | 0 | 0 | 11 |
| 40 | Physical Sciences | 14 | 0 | 10 | 0 | 1 | 25 |
| 42 | Psychology | 122 | 0 | 0 | 0 | 0 | 122 |
| 44 | Public Administration | 8 | 0 | 23 | 0 | 0 | 31 |
| 45 | Social Science | 146 | 0 | 0 | 0 | 0 | 146 |
| 50 | Fine Arts | 58 | 0 | 15 | 0 | 0 | 73 |
| 51.2 | Nursing | 270 | 0 | 39 | 1 | 22 | 332 |
| 51.2 | Public Health | 14 | 0 | 0 | 0 | 0 | 14 |
| 52 | Other Health Professions | 90 | 0 | 7 | 0 | 38 | 135 |
| 52 | Business | 429 | 0 | 202 | 0 | 0 | 631 |
| 54 | History | 55 | 0 | 1 | 0 | 0 | 56 |
| | Total | 2,241 | 47 | 915 | 91 | 94 | 3,388 |

Figure 4 - Enrollment Trends from Fall 1998 to Fall 2009

This graphic shows the growth over the last eleven years in undergraduate and graduate resident students and undergraduate and graduate non-resident students. During this period Oakland University's enrollment increased from 14,289 to 18,920, an increase of 32%.

| Fall Term | Undergraduate | | | Graduate | | | Total | | |
|-------------|---------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|---------------|
| | In-State | Out of State | Total | In-State | Out of State | Total | In-State | Out of State | Total |
| 1998 | 10,963 | 148 | 11,111 | 3,061 | 117 | 3,178 | 14,024 | 265 | 14,289 |
| 1999 | 11,473 | 181 | 11,654 | 2,989 | 83 | 3,072 | 14,462 | 264 | 14,726 |
| 2000 | 11,797 | 205 | 12,002 | 3,132 | 101 | 3,233 | 14,929 | 306 | 15,235 |
| 2001 | 12,311 | 218 | 12,529 | 3,236 | 110 | 3,346 | 15,547 | 328 | 15,875 |
| 2002 | 12,418 | 216 | 12,634 | 3,310 | 115 | 3,425 | 15,728 | 331 | 16,059 |
| 2003 | 12,731 | 228 | 12,959 | 3,515 | 102 | 3,617 | 16,246 | 330 | 16,576 |
| 2004 | 12,894 | 221 | 13,115 | 3,580 | 207 | 3,787 | 16,474 | 428 | 16,902 |
| 2005 | 13,233 | 215 | 13,448 | 3,787 | 104 | 3,891 | 17,020 | 319 | 17,339 |
| 2006 | 13,484 | 217 | 13,701 | 3,936 | 100 | 4,036 | 17,420 | 317 | 17,737 |
| 2007 | 13,907 | 183 | 14,090 | 3,879 | 113 | 3,992 | 17,786 | 296 | 18,082 |
| 2008 | 14,233 | 164 | 14,397 | 3,646 | 126 | 3,772 | 17,879 | 290 | 18,169 |
| 2009 | 15,009 | 266 | 15,275 | 3,339 | 306 | 3,645 | 18,348 | 572 | 18,920 |

Figure 5 – Enrollment Projections by School/College and Level, Fall 2009 – Fall 2014
 Oakland University continues to experience increases in enrollments.

| Enrollment Projections by School/College and Level Fall 2009 - Fall 2014 | | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------|
| Undergraduate | Actual | Projections | | | | | % Change 2009 - 2014 |
| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | |
| CAS | 5,270 | 5,442 | 5,570 | 5,670 | 5,737 | 5,770 | 9% |
| SBA | 2,155 | 2,239 | 2,292 | 2,333 | 2,361 | 2,374 | 10% |
| SEHS | 1,414 | 1,446 | 1,480 | 1,506 | 1,524 | 1,533 | 8% |
| SECS | 968 | 996 | 1,019 | 1,037 | 1,050 | 1,056 | 9% |
| SHS | 1,503 | 1,549 | 1,586 | 1,614 | 1,633 | 1,643 | 9% |
| SON | 2,178 | 2,247 | 2,300 | 2,341 | 2,369 | 2,383 | 9% |
| UP/None | 1,787 | 1,805 | 1,848 | 1,881 | 1,903 | 1,914 | 7% |
| Total | 15,275 | 15,723 | 16,093 | 16,382 | 16,577 | 16,672 | 9% |
| Graduate | | | | | | | |
| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | |
| CAS | 410 | 392 | 387 | 384 | 393 | 409 | 0% |
| SBA | 506 | 492 | 486 | 483 | 494 | 514 | 2% |
| SEHS | 1,728 | 1,675 | 1,654 | 1,644 | 1,682 | 1,751 | 1% |
| SECS | 416 | 416 | 411 | 408 | 418 | 435 | 5% |
| SHS | 284 | 280 | 276 | 275 | 281 | 292 | 3% |
| SON | 301 | 301 | 297 | 295 | 302 | 315 | 5% |
| Medical School | | | 50 | 125 | 200 | 300 | |
| Total | 3,645 | 3,556 | 3,511 | 3,589 | 3,770 | 4,433 | 22% |
| Total | | | | | | | |
| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | |
| CAS | 5,680 | 5,833 | 5,957 | 6,054 | 6,131 | 6,180 | 9% |
| SBA | 2,661 | 2,731 | 2,777 | 2,815 | 2,854 | 2,888 | 9% |
| SEHS | 3,142 | 3,121 | 3,134 | 3,150 | 3,206 | 3,284 | 5% |
| SECS | 1,384 | 1,412 | 1,430 | 1,446 | 1,467 | 1,491 | 8% |
| SHS | 1,787 | 1,829 | 1,862 | 1,888 | 1,914 | 1,935 | 8% |
| SON | 2,479 | 2,548 | 2,597 | 2,636 | 2,671 | 2,697 | 9% |
| Medical School | | | 50 | 125 | 200 | 300 | |
| University Programs | 1,787 | 1,805 | 1,848 | 1,881 | 1,903 | 1,914 | 7% |
| Total | 18,920 | 19,279 | 19,654 | 19,996 | 20,347 | 20,689 | 9% |

Figure 6 – General Fund Square Feet per Student in Michigan, FY 2007-2008

This chart shows that Oakland University is last in general fund square footage per student of the 15 Michigan institutions. Source: Heidi Data Base

| Rank by SQ FT | |
|----------------------|------------------|
| UNIV | SQFT/FYES |
| UM-AA | 342.09 |
| LSSU | 341.41 |
| MSU | 319.89 |
| MTU | 319.08 |
| WMU | 270.72 |
| UM-F | 242.05 |
| WSU | 240.75 |
| NMU | 236.04 |
| UM-D | 208.60 |
| EMU | 172.77 |
| SVSU | 168.23 |
| CMU | 162.73 |
| FSU | 152.96 |
| GVSU | 114.84 |
| OU | 105.71 |

Future Staffing Needs

Oakland University currently employs 3,119 full and part-time faculty and staff and 2,868 student employees. In addition, there are over 100 employees of contract service providers for food service, bookstore, and custodial services. Faculty and staff will grow with increased enrollment.

Average Class Size

Average class size for undergraduate instruction in fall 2007 was 31.64 students. Graduate class size in fall 2007 was 17.89 and PhD classes averaged 14.28 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.

IV. Facility Assessment

Utilization Rates

Oakland University has the lowest building square footage per student (figure 6) of any of the 15 public universities. However, a comparison of its programmatic mix with its doctoral programs and the relatively large number of engineering and science programs would lead to the conclusion that it should at least be near the overall average in total space. Program by program comparisons to national norms for disciplines indicates that all programs, even the School of Business with its new facility, fall short in space.

Classroom utilization is also very high, especially in the evenings. Oakland's enrollment includes a large number of non-traditional students. Demand for evening classes exceeds available facilities. A large number of evening classes are offered at area high schools.

Mandated Standards

Mandated standards for animal research are met to the best of our ability.

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, Engineering and the Performing Arts. Recent facilities additions for the sciences, 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, and is primarily a student services building, but also includes two classrooms. The building is receiving a general facelift and significant improvements to the air distribution system.
- South Foundation Hall - Completed in 1959, this building is primarily a classroom building. The University has been adding technology to the classrooms over the past several years. This building is used by nearly all academic disciplines.

- Hannah Hall of Science - 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 several administrative offices.
- Dodge Hall of Engineering - 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. The School of Engineering and Computer Science has a significant space deficit compared to national standards. This deficit would be significantly reduced by the construction of the proposed Engineering 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 School of Nursing, 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. O'Dowd Hall will be the home for much of the School of Medicine. The building continues to suffer from leaks along the curtain wall that have been a problem for a number of years.
- 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. This state of the art facility is adequate to meet the needs of the school's planned growth program.

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 nearly 3 million square feet, including Meadow Brook Hall is estimated at \$670 million.

Utility Systems Condition

The utility systems in facilities (i.e., heating, ventilation, air conditioning (HVAC), water, sewage, and electrical) are in varying degrees of condition, depending on facility age. All are fully functional, with those in the 20 to 30 year age group needing upgrades to increase efficiency and effectiveness of operation.

The existing water/sewage infrastructure is adequate to serve the projected programming needs for at least 10 years, due to a recently installed water source. An upgrade to the electrical substation was completed, which included cabling, switchgear, and a new substation. This upgrade will meet projected electrical needs for at least 15 years. Additional upgrades to infrastructure throughout campus will be required as campus facilities age and enrollment grows.

Facility Infrastructure Condition

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

Land

Oakland University's campus includes 1,441 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 April 2001, has identified future uses for all of the undeveloped property.

Buildings Obligated to the State Building Authority

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

- Science and Engineering Building – lease expiration in 2034
- Elliott Hall – lease expiration in 2040
- Pawley Hall – lease expiration in 2042

The following facilities are bonded through the University:

- Golf course - final payment in 2026
- Recreation and Athletic Center - final payment in 2026
- Student Apartments – final payment in 2031
- Electrical Power Upgrade – final payment in 2031
- Parking Structure – final payment in 2031
- Oakland Center Expansion – final payment in 2031

Oakland University Classroom Utilization Reports

Classroom Utilization Report

Peak - 10 AM to 3 PM
Fall 2007 Data

**25 Available Weekly Room Hours
- WRH**

Room Type 110 - Classrooms

| Bldg Num | Room Num | ASF | Capacity | WRH | WRH% | Station Occupancy |
|----------|----------|-------|----------|------|-------|-------------------|
| DHE | 200 | 1,126 | 108 | 15.1 | 60.5% | 63.6% |
| DHE | 201 | 3,004 | 314 | 20.4 | 81.8% | 18.9% |
| DHE | 202 | 702 | 52 | 16.1 | 64.4% | 74.8% |
| DHE | 203 | 990 | 77 | 15.7 | 62.7% | 55.8% |
| DHE | 204 | 374 | 25 | 16.0 | 64.0% | 72.0% |
| DHE | 236 | 394 | 25 | 18.0 | 72.0% | 66.7% |
| DHE | 237 | 389 | 25 | 8.4 | 33.7% | 82.0% |
| EH | 204 | 541 | 35 | 23.0 | 92.0% | 51.7% |
| EH | 206 | 523 | 35 | 22.0 | 88.0% | 63.4% |
| EH | 208 | 686 | 45 | 20.3 | 81.2% | 63.7% |
| EH | 210 | 683 | 45 | 23.0 | 92.0% | 62.9% |
| EH | 212 | 696 | 45 | 16.9 | 67.7% | 63.5% |
| EH | 214 | 902 | 44 | 21.9 | 87.7% | 68.2% |
| EH | 235 | 1,021 | 40 | 18.9 | 75.4% | 68.0% |
| EH | 237 | 1,026 | 40 | 22.0 | 88.0% | 58.4% |
| EH | 239 | 1,018 | 40 | 19.0 | 76.0% | 62.8% |
| HHS | 190 | 2,131 | 187 | 23.0 | 92.0% | 57.1% |
| HHS | 195 | 2,068 | 187 | 22.0 | 88.0% | 49.8% |
| HHS | 220 | 548 | 40 | 12.1 | 48.5% | 67.9% |
| HHS | 225 | 422 | 30 | 6.0 | 24.0% | 63.3% |
| HHS | 350 | 498 | 40 | 15.8 | 63.3% | 40.9% |
| NFH | 156 | 1,757 | 157 | 16.1 | 64.4% | 91.5% |
| NFH | 159 | 1,757 | 90 | 22.0 | 88.0% | 76.8% |
| ODH | 108 | 424 | 60 | 20.0 | 80.0% | 74.7% |
| ODH | 110 | 1,548 | 60 | 16.0 | 64.0% | 85.8% |
| ODH | 202B | 2,391 | 100 | 4.0 | 16.0% | 84.0% |
| ODH | 203 | 2,460 | 229 | 18.5 | 74.0% | 41.2% |
| ODH | 204 | 2,426 | 178 | 14.0 | 56.0% | 56.0% |
| PH | 302 | 1,660 | 72 | 18.9 | 75.7% | 71.3% |
| PH | 306 | 910 | 48 | 23.0 | 92.0% | 47.6% |
| PH | 307 | 938 | 48 | 22.7 | 90.7% | 46.3% |
| PH | 308 | 910 | 48 | 21.3 | 85.4% | 46.6% |
| PH | 309 | 930 | 48 | 18.0 | 72.0% | 43.5% |
| PH | 310 | 732 | 36 | 17.7 | 70.7% | 62.9% |
| PH | 312 | 738 | 36 | 23.0 | 92.0% | 72.2% |
| PH | 314 | 916 | 48 | 23.0 | 92.0% | 72.3% |
| PH | 316 | 918 | 48 | 19.0 | 76.0% | 67.9% |
| PH | 318 | 910 | 48 | 16.0 | 64.0% | 60.4% |
| PH | 320 | 735 | 36 | 12.2 | 48.9% | 56.6% |
| SEB | 093 | 574 | 38 | 17.4 | 69.7% | 49.4% |
| SEB | 130 | 673 | 42 | 8.0 | 32.0% | 75.0% |
| SEB | 164 | 1,131 | 64 | 14.9 | 59.7% | 70.1% |
| SEB | 168 | 1,112 | 64 | 22.0 | 88.0% | 82.7% |
| SEB | 172 | 1,130 | 64 | 21.3 | 85.3% | 68.4% |

| | | | | | | |
|-----|-----|-------|----|------|-------|-------|
| SEB | 185 | 883 | 50 | 22.0 | 88.0% | 67.3% |
| SEB | 187 | 543 | 36 | 12.0 | 48.0% | 44.4% |
| SEB | 364 | 428 | 30 | 17.1 | 68.5% | 44.4% |
| SEB | 372 | 1,043 | 50 | 2.1 | 8.4% | 15.4% |
| SEB | 376 | 669 | 30 | 16.0 | 64.0% | 57.9% |
| SEB | 378 | 618 | 30 | 18.1 | 72.5% | 71.0% |
| SEB | 384 | 654 | 44 | 18.0 | 72.0% | 63.9% |
| SEB | 386 | 607 | 40 | 22.0 | 88.0% | 48.9% |
| SEB | 388 | 607 | 30 | 12.0 | 48.0% | 46.7% |
| SFH | 163 | 985 | 70 | 23.0 | 92.0% | 65.3% |
| SFH | 164 | 667 | 48 | 18.4 | 73.7% | 64.7% |
| SFH | 165 | 992 | 75 | 18.0 | 72.0% | 66.8% |
| SFH | 166 | 667 | 48 | 23.0 | 92.0% | 46.2% |
| SFH | 167 | 667 | 30 | 23.0 | 92.0% | 77.1% |
| SFH | 168 | 667 | 48 | 23.0 | 92.0% | 54.6% |
| SFH | 169 | 667 | 40 | 23.0 | 92.0% | 65.0% |
| SFH | 170 | 667 | 48 | 22.0 | 88.0% | 49.2% |
| SFH | 171 | 667 | 40 | 22.0 | 88.0% | 48.9% |
| SFH | 172 | 667 | 48 | 23.0 | 92.0% | 50.0% |
| SFH | 173 | 667 | 48 | 23.0 | 92.0% | 45.8% |
| SFH | 174 | 667 | 48 | 23.0 | 92.0% | 39.4% |
| SFH | 176 | 732 | 48 | 23.0 | 92.0% | 60.2% |
| SFH | 263 | 991 | 75 | 18.0 | 72.0% | 74.8% |
| SFH | 265 | 446 | 25 | 23.0 | 92.0% | 54.4% |
| SFH | 266 | 688 | 48 | 23.0 | 92.0% | 56.1% |
| SFH | 268 | 668 | 48 | 22.0 | 88.0% | 58.3% |
| SFH | 269 | 688 | 48 | 19.0 | 76.0% | 47.8% |
| SFH | 270 | 688 | 48 | 23.0 | 92.0% | 63.0% |
| SFH | 271 | 668 | 48 | 21.9 | 87.7% | 43.3% |
| SFH | 272 | 668 | 48 | 23.0 | 92.0% | 56.5% |
| SFH | 273 | 668 | 48 | 22.0 | 88.1% | 51.7% |
| SFH | 274 | 668 | 48 | 19.0 | 76.0% | 55.6% |
| SFH | 276 | 733 | 48 | 23.0 | 92.0% | 45.4% |
| SFH | 363 | 896 | 70 | 19.0 | 76.0% | 75.1% |
| SFH | 364 | 668 | 48 | 22.0 | 88.0% | 42.6% |
| SFH | 365 | 992 | 75 | 22.0 | 88.0% | 57.6% |
| SFH | 366 | 668 | 48 | 22.0 | 88.0% | 65.7% |
| SFH | 367 | 668 | 48 | 22.0 | 88.0% | 51.9% |
| SFH | 368 | 668 | 48 | 22.0 | 88.0% | 40.0% |
| SFH | 369 | 668 | 48 | 23.0 | 92.0% | 35.7% |
| SFH | 370 | 688 | 48 | 22.0 | 88.0% | 40.2% |
| SFH | 371 | 668 | 48 | 22.0 | 88.0% | 47.2% |
| SFH | 372 | 668 | 48 | 20.9 | 83.7% | 47.5% |
| SFH | 373 | 668 | 48 | 23.0 | 92.0% | 45.7% |
| SFH | 374 | 668 | 48 | 19.0 | 76.0% | 51.2% |
| SFH | 376 | 732 | 48 | 18.0 | 72.0% | 46.3% |
| VAR | 205 | 1,151 | 90 | 23.0 | 92.0% | 84.3% |
| VAR | 206 | 1,184 | 90 | 18.0 | 72.0% | 83.3% |
| VAR | 229 | 371 | 25 | 0.0 | 0.0% | n/a |
| VAR | 479 | 998 | 60 | 17.1 | 68.6% | 64.3% |
| WH | 102 | 870 | 60 | 18.0 | 72.0% | 81.7% |
| WH | 105 | 856 | 60 | 22.0 | 88.0% | 82.6% |
| WH | 124 | 1,062 | 90 | 22.0 | 88.0% | 74.5% |
| WH | 301 | 306 | 20 | 8.0 | 32.0% | 42.5% |
| WH | 313 | 500 | 25 | 16.0 | 64.0% | 73.0% |

| | | | | | |
|--------|--------|-------|---------|-------|-------|
| Totals | 87,045 | 5,845 | 1,869.7 | 75.7% | 58.5% |
|--------|--------|-------|---------|-------|-------|

Classroom Utilization Report

Off Peak - 8 AM to 10 am and 3pm to 5 pm
 Fall 2007 Data

20 Available Weekly
 Room Hours - WRH
 Room Type 110 - Classrooms

| Bldg Num | Room Num | ASF | Capacity | WRH | WRH% | Station Occupancy |
|----------|----------|---------|----------|------|--------|-------------------|
| DHE | 200 | 1,126.0 | 108.0 | 9.0 | 45.0% | 51.7% |
| DHE | 201 | 3,004.0 | 314.0 | 22.0 | 110.2% | 19.7% |
| DHE | 202 | 702.0 | 52.0 | 13.0 | 65.0% | 60.4% |
| DHE | 203 | 990.0 | 77.0 | 9.3 | 46.7% | 79.0% |
| DHE | 204 | 374.0 | 25.0 | 6.0 | 30.0% | 28.0% |
| DHE | 236 | 394.0 | 25.0 | 11.0 | 55.0% | 65.5% |
| DHE | 237 | 389.0 | 25.0 | 0.0 | 0.0% | N/a |
| EH | 204 | 541.0 | 35.0 | 17.0 | 85.0% | 53.8% |
| EH | 206 | 523.0 | 35.0 | 14.0 | 70.0% | 70.2% |
| EH | 208 | 686.0 | 45.0 | 15.0 | 75.0% | 68.3% |
| EH | 210 | 683.0 | 45.0 | 11.9 | 59.7% | 72.1% |
| EH | 212 | 696.0 | 45.0 | 5.0 | 25.0% | 43.1% |
| EH | 214 | 902.0 | 44.0 | 13.0 | 65.0% | 57.0% |
| EH | 235 | 1,021.0 | 40.0 | 3.0 | 15.0% | 25.0% |
| EH | 237 | 1,026.0 | 40.0 | 16.0 | 80.0% | 50.9% |
| EH | 239 | 1,018.0 | 40.0 | 8.0 | 40.0% | 60.0% |
| HHS | 190 | 2,131.0 | 187.0 | 17.0 | 85.0% | 57.9% |
| HHS | 195 | 2,068.0 | 187.0 | 17.0 | 85.0% | 68.0% |
| HHS | 220 | 548.0 | 40.0 | 8.0 | 40.0% | 69.4% |
| HHS | 225 | 422.0 | 30.0 | 2.5 | 12.5% | 53.3% |
| HHS | 350 | 498.0 | 40.0 | 6.5 | 32.5% | 92.3% |
| NFH | 156 | 1,757.0 | 157.0 | 17.0 | 85.0% | 70.4% |
| NFH | 159 | 1,757.0 | 90.0 | 17.0 | 85.0% | 71.2% |
| ODH | 108 | 424.0 | 60.0 | 10.9 | 54.7% | 79.9% |
| ODH | 110 | 1,548.0 | 60.0 | 12.0 | 60.0% | 87.2% |
| ODH | 202B | 2,391.0 | 100.0 | 3.0 | 15.0% | 58.0% |
| ODH | 203 | 2,460.0 | 229.0 | 4.1 | 20.7% | 28.5% |
| ODH | 204 | 2,426.0 | 178.0 | 17.0 | 85.0% | 47.3% |
| PH | 302 | 1,660.0 | 72.0 | 6.9 | 34.7% | 66.7% |
| PH | 306 | 910.0 | 48.0 | 14.6 | 72.8% | 52.8% |
| PH | 307 | 938.0 | 48.0 | 12.4 | 62.2% | 61.9% |
| PH | 308 | 910.0 | 48.0 | 13.8 | 68.8% | 46.2% |
| PH | 309 | 930.0 | 48.0 | 11.9 | 59.7% | 57.8% |
| PH | 310 | 732.0 | 36.0 | 3.9 | 19.4% | 52.1% |
| PH | 312 | 738.0 | 36.0 | 9.0 | 45.0% | 82.1% |
| PH | 314 | 916.0 | 48.0 | 9.0 | 45.0% | 46.8% |
| PH | 316 | 918.0 | 48.0 | 8.0 | 40.0% | 64.1% |
| PH | 318 | 910.0 | 48.0 | 8.0 | 40.0% | 44.8% |
| PH | 320 | 735.0 | 36.0 | 6.0 | 29.9% | 63.9% |
| SEB | 093 | 574.0 | 38.0 | 12.4 | 62.2% | 44.1% |
| SEB | 130 | 673.0 | 42.0 | 15.0 | 75.0% | 62.2% |
| SEB | 164 | 1,131.0 | 64.0 | 14.0 | 70.0% | 46.9% |
| SEB | 168 | 1,112.0 | 64.0 | 14.0 | 70.0% | 39.7% |

| | | | | | | |
|-----|-----|---------|------|------|-------|--------|
| SEB | 172 | 1,130.0 | 64.0 | 12.2 | 60.9% | 63.8% |
| SEB | 185 | 883.0 | 50.0 | 13.0 | 65.0% | 40.0% |
| SEB | 187 | 543.0 | 36.0 | 11.4 | 57.2% | 26.5% |
| SEB | 364 | 428.0 | 30.0 | 3.0 | 15.0% | 50.0% |
| SEB | 372 | 1,043.0 | 50.0 | 0.0 | 0.0% | N/a |
| SEB | 376 | 669.0 | 30.0 | 8.7 | 43.6% | 105.3% |
| SEB | 378 | 618.0 | 30.0 | 7.0 | 35.0% | 55.7% |
| SEB | 384 | 654.0 | 44.0 | 12.0 | 60.0% | 44.7% |
| SEB | 386 | 607.0 | 40.0 | 16.0 | 80.0% | 45.6% |
| SEB | 388 | 607.0 | 30.0 | 6.0 | 30.0% | 25.0% |
| SFH | 163 | 985.0 | 70.0 | 16.5 | 82.5% | 64.5% |
| SFH | 164 | 667.0 | 48.0 | 16.0 | 80.0% | 54.9% |
| SFH | 165 | 992.0 | 75.0 | 16.0 | 80.0% | 54.8% |
| SFH | 166 | 667.0 | 48.0 | 11.0 | 55.0% | 56.8% |
| SFH | 167 | 667.0 | 30.0 | 11.0 | 55.0% | 67.3% |
| SFH | 168 | 667.0 | 48.0 | 13.0 | 65.0% | 48.9% |
| SFH | 169 | 667.0 | 40.0 | 17.0 | 85.0% | 62.6% |
| SFH | 170 | 667.0 | 48.0 | 9.0 | 45.0% | 41.4% |
| SFH | 171 | 667.0 | 40.0 | 10.0 | 50.0% | 50.5% |
| SFH | 172 | 667.0 | 48.0 | 19.0 | 95.0% | 46.5% |
| SFH | 173 | 667.0 | 48.0 | 12.0 | 60.0% | 43.8% |
| SFH | 174 | 667.0 | 48.0 | 13.0 | 65.0% | 52.7% |
| SFH | 176 | 732.0 | 48.0 | 9.0 | 45.0% | 55.3% |
| SFH | 263 | 991.0 | 75.0 | 14.0 | 70.0% | 72.2% |
| SFH | 265 | 446.0 | 25.0 | 9.0 | 45.0% | 35.1% |
| SFH | 266 | 688.0 | 48.0 | 12.0 | 60.0% | 56.6% |
| SFH | 268 | 668.0 | 48.0 | 13.1 | 65.5% | 52.7% |
| SFH | 269 | 688.0 | 48.0 | 13.0 | 65.0% | 55.8% |
| SFH | 270 | 688.0 | 48.0 | 13.0 | 65.0% | 50.8% |
| SFH | 271 | 668.0 | 48.0 | 9.0 | 45.0% | 41.7% |
| SFH | 272 | 668.0 | 48.0 | 9.0 | 45.0% | 43.5% |
| SFH | 273 | 668.0 | 48.0 | 12.0 | 60.0% | 55.4% |
| SFH | 274 | 668.0 | 48.0 | 13.0 | 65.0% | 41.2% |
| SFH | 276 | 733.0 | 48.0 | 13.0 | 65.0% | 51.8% |
| SFH | 363 | 896.0 | 70.0 | 11.0 | 55.0% | 63.0% |
| SFH | 364 | 668.0 | 48.0 | 12.0 | 60.0% | 35.8% |
| SFH | 365 | 992.0 | 75.0 | 13.0 | 65.0% | 58.3% |
| SFH | 366 | 668.0 | 48.0 | 13.0 | 65.0% | 51.6% |
| SFH | 367 | 668.0 | 48.0 | 9.0 | 45.0% | 40.0% |
| SFH | 368 | 668.0 | 48.0 | 9.0 | 45.0% | 24.1% |
| SFH | 369 | 668.0 | 48.0 | 9.0 | 45.0% | 42.1% |
| SFH | 370 | 688.0 | 48.0 | 6.0 | 30.0% | 36.1% |
| SFH | 371 | 668.0 | 48.0 | 10.0 | 50.0% | 55.4% |
| SFH | 372 | 668.0 | 48.0 | 10.0 | 50.0% | 49.6% |
| SFH | 373 | 668.0 | 48.0 | 5.0 | 25.0% | 29.6% |
| SFH | 374 | 668.0 | 48.0 | 12.0 | 60.0% | 50.7% |
| SFH | 376 | 732.0 | 48.0 | 6.0 | 30.0% | 36.1% |
| VAR | 205 | 1,151.0 | 90.0 | 18.0 | 90.0% | 56.4% |
| VAR | 206 | 1,184.0 | 90.0 | 12.9 | 64.7% | 67.2% |
| VAR | 229 | 371.0 | 25.0 | 0.0 | 0.0% | N/a |
| VAR | 479 | 998.0 | 60.0 | 14.0 | 70.0% | 42.4% |
| WH | 102 | 870.0 | 60.0 | 9.0 | 45.0% | 67.0% |
| WH | 105 | 856.0 | 60.0 | 17.0 | 85.0% | 77.2% |
| WH | 124 | 1,062.0 | 90.0 | 14.0 | 70.0% | 70.2% |
| WH | 301 | 306.0 | 20.0 | 8.2 | 41.1% | 75.6% |

| | | | | | | |
|--------|-----|----------|---------|---------|-------|-------|
| WH | 313 | 500.0 | 25.0 | 8.0 | 40.0% | 76.0% |
| Totals | | 87,045.0 | 5,845.0 | 1,082.4 | 54.7% | 59.0% |

Classroom Utilization Report

Evening 5 PM - 10 PM

Fall 2007 Data

25 Available Weekly
Room Hours - WRH

Room Type 110 - Classrooms

| Bldg Num | Room Num | ASF | Capacity | WRH | WRH% | Station Occupancy |
|----------|----------|-------|----------|------|-------|-------------------|
| DHE | 200 | 1,126 | 108 | 5.0 | 20.0% | 80.9% |
| DHE | 201 | 3,004 | 314 | 10.6 | 42.6% | 37.0% |
| DHE | 202 | 702 | 52 | 9.0 | 36.0% | 34.2% |
| DHE | 203 | 990 | 77 | 16.7 | 66.9% | 56.0% |
| DHE | 204 | 374 | 25 | 18.0 | 72.0% | 65.3% |
| DHE | 236 | 394 | 25 | 9.0 | 36.0% | 67.6% |
| DHE | 237 | 389 | 25 | 12.0 | 48.0% | 44.0% |
| EH | 204 | 541 | 35 | 13.2 | 52.8% | 63.2% |
| EH | 206 | 523 | 35 | 13.7 | 54.8% | 40.5% |
| EH | 208 | 686 | 45 | 13.7 | 54.8% | 63.0% |
| EH | 210 | 683 | 45 | 14.2 | 56.8% | 61.4% |
| EH | 212 | 696 | 45 | 14.7 | 58.8% | 65.7% |
| EH | 214 | 902 | 44 | 12.2 | 48.8% | 71.8% |
| EH | 235 | 1,021 | 40 | 12.2 | 48.8% | 66.4% |
| EH | 237 | 1,026 | 40 | 13.7 | 54.8% | 65.9% |
| EH | 239 | 1,018 | 40 | 11.1 | 44.6% | 51.1% |
| HHS | 190 | 2,131 | 187 | 12.0 | 48.0% | 36.4% |
| HHS | 195 | 2,068 | 187 | 17.0 | 68.0% | 23.3% |
| HHS | 220 | 548 | 40 | 11.0 | 44.2% | 57.7% |
| HHS | 225 | 422 | 30 | 12.8 | 51.0% | 79.8% |
| HHS | 350 | 498 | 40 | 13.2 | 52.8% | 66.3% |
| NFH | 156 | 1,757 | 157 | 12.2 | 48.8% | 42.1% |
| NFH | 159 | 1,757 | 90 | 11.7 | 46.6% | 51.0% |
| ODH | 108 | 424 | 60 | 14.2 | 56.8% | 56.9% |
| ODH | 110 | 1,548 | 60 | 7.1 | 28.4% | 79.1% |
| ODH | 202B | 2,391 | 100 | 11.7 | 46.6% | 64.5% |
| ODH | 203 | 2,460 | 229 | 4.5 | 18.0% | 11.5% |
| ODH | 204 | 2,426 | 178 | 12.6 | 50.2% | 37.8% |
| PH | 302 | 1,660 | 72 | 13.7 | 54.8% | 67.3% |
| PH | 306 | 910 | 48 | 13.2 | 52.8% | 59.8% |
| PH | 307 | 938 | 48 | 7.1 | 28.4% | 85.6% |
| PH | 308 | 910 | 48 | 14.2 | 56.8% | 57.1% |
| PH | 309 | 930 | 48 | 14.7 | 58.8% | 53.0% |
| PH | 310 | 732 | 36 | 12.2 | 48.8% | 28.4% |
| PH | 312 | 738 | 36 | 13.7 | 54.8% | 37.0% |
| PH | 314 | 916 | 48 | 14.2 | 56.8% | 80.9% |
| PH | 316 | 918 | 48 | 14.2 | 56.8% | 62.4% |
| PH | 318 | 910 | 48 | 10.1 | 40.6% | 45.5% |
| PH | 320 | 735 | 36 | 10.6 | 42.6% | 63.8% |
| SEB | 093 | 574 | 38 | 8.6 | 34.2% | 18.5% |
| SEB | 130 | 673 | 42 | 15.4 | 61.7% | 44.3% |
| SEB | 164 | 1,131 | 64 | 18.0 | 72.0% | 23.6% |
| SEB | 168 | 1,112 | 64 | 16.0 | 64.0% | 57.0% |

| | | | | | | |
|-----|-----|-------|----|------|-------|-------|
| SEB | 172 | 1,130 | 64 | 16.5 | 66.0% | 46.7% |
| SEB | 185 | 883 | 50 | 17.0 | 68.0% | 29.2% |
| SEB | 187 | 543 | 36 | 11.2 | 44.9% | 40.1% |
| SEB | 364 | 428 | 30 | 3.2 | 12.9% | 10.3% |
| SEB | 372 | 1,043 | 50 | 12.0 | 48.0% | 28.0% |
| SEB | 376 | 669 | 30 | 11.1 | 44.4% | 74.2% |
| SEB | 378 | 618 | 30 | 16.0 | 64.0% | 73.3% |
| SEB | 384 | 654 | 44 | 14.0 | 56.0% | 22.4% |
| SEB | 386 | 607 | 40 | 18.0 | 72.0% | 48.6% |
| SEB | 388 | 607 | 30 | 11.2 | 44.9% | 16.6% |
| SFH | 163 | 985 | 70 | 13.7 | 54.8% | 60.0% |
| SFH | 164 | 667 | 48 | 15.8 | 63.2% | 44.0% |
| SFH | 165 | 992 | 75 | 13.1 | 52.4% | 43.8% |
| SFH | 166 | 667 | 48 | 15.8 | 63.2% | 43.7% |
| SFH | 167 | 667 | 30 | 14.0 | 55.9% | 78.8% |
| SFH | 168 | 667 | 48 | 13.7 | 54.8% | 62.0% |
| SFH | 169 | 667 | 40 | 11.1 | 44.4% | 34.2% |
| SFH | 170 | 667 | 48 | 15.2 | 60.8% | 43.3% |
| SFH | 171 | 667 | 40 | 12.0 | 48.0% | 21.7% |
| SFH | 172 | 667 | 48 | 17.3 | 69.2% | 48.7% |
| SFH | 173 | 667 | 48 | 12.1 | 48.2% | 54.7% |
| SFH | 174 | 667 | 48 | 12.7 | 50.8% | 46.2% |
| SFH | 176 | 732 | 48 | 14.2 | 56.8% | 43.2% |
| SFH | 263 | 991 | 75 | 15.1 | 60.4% | 45.9% |
| SFH | 265 | 446 | 25 | 10.6 | 42.6% | 57.3% |
| SFH | 266 | 688 | 48 | 11.2 | 44.6% | 46.6% |
| SFH | 268 | 668 | 48 | 9.1 | 36.4% | 20.2% |
| SFH | 269 | 688 | 48 | 15.1 | 60.4% | 55.7% |
| SFH | 270 | 688 | 48 | 14.2 | 56.8% | 51.8% |
| SFH | 271 | 668 | 48 | 10.6 | 42.4% | 34.6% |
| SFH | 272 | 668 | 48 | 10.6 | 42.6% | 61.2% |
| SFH | 273 | 668 | 48 | 10.6 | 42.6% | 56.3% |
| SFH | 274 | 668 | 48 | 11.1 | 44.4% | 70.1% |
| SFH | 276 | 733 | 48 | 10.6 | 42.6% | 47.3% |
| SFH | 363 | 896 | 70 | 15.7 | 62.8% | 67.1% |
| SFH | 364 | 668 | 48 | 9.1 | 36.4% | 32.3% |
| SFH | 365 | 992 | 75 | 11.6 | 46.4% | 37.5% |
| SFH | 366 | 668 | 48 | 11.6 | 46.4% | 44.4% |
| SFH | 367 | 668 | 48 | 8.1 | 32.4% | 39.7% |
| SFH | 368 | 668 | 48 | 15.2 | 60.8% | 55.4% |
| SFH | 369 | 668 | 48 | 11.1 | 44.4% | 38.9% |
| SFH | 370 | 688 | 48 | 10.6 | 42.6% | 46.7% |
| SFH | 371 | 668 | 48 | 7.1 | 28.4% | 58.2% |
| SFH | 372 | 668 | 48 | 3.5 | 14.2% | 52.4% |
| SFH | 373 | 668 | 48 | 5.6 | 22.2% | 20.7% |
| SFH | 374 | 668 | 48 | 13.9 | 55.5% | 33.8% |
| SFH | 376 | 732 | 48 | 12.0 | 48.0% | 45.1% |
| VAR | 205 | 1,151 | 90 | 16.2 | 64.8% | 54.8% |
| VAR | 206 | 1,184 | 90 | 10.1 | 40.6% | 57.5% |
| VAR | 229 | 371 | 25 | 3.5 | 14.2% | 20.2% |
| VAR | 479 | 998 | 60 | 4.0 | 16.0% | 38.3% |
| WH | 102 | 870 | 60 | 11.7 | 46.6% | 42.3% |
| WH | 105 | 856 | 60 | 8.1 | 32.4% | 82.7% |
| WH | 124 | 1,062 | 90 | 10.1 | 40.6% | 40.7% |
| WH | 301 | 306 | 20 | 10.6 | 42.2% | 69.2% |

| | | | | | | |
|--------|-----|--------|-------|---------|-------|-------|
| WH | 313 | 500 | 25 | 14.2 | 56.8% | 57.9% |
| Totals | | 87,045 | 5,845 | 1,198.4 | 48.4% | 47.1% |

**Oakland University
Classroom Utilization Report**

Saturday - 8 AM to 5 pm
Fall 2006 Data

**9 Available Weekly Room Hours
- WRH**
Room Type 110 - Classrooms

| Bldg Num | Room Num | ASF | Capacity | WRH | WRH% | Station Occupancy |
|----------|----------|--------|----------|------|-------|-------------------|
| DHE | 202 | 702 | 52 | 3.5 | 39.4% | 25.0% |
| EH | 204 | 541 | 35 | 3.5 | 39.4% | 34.3% |
| EH | 210 | 683 | 45 | 3.5 | 39.4% | 17.8% |
| EH | 235 | 1,021 | 40 | 3.0 | 33.9% | 27.5% |
| HHS | 220 | 548 | 40 | 2.0 | 22.8% | 37.5% |
| HHS | 350 | 498 | 40 | 8.2 | 91.3% | 47.5% |
| PH | 306 | 910 | 48 | 6.7 | 74.7% | 45.8% |
| PH | 307 | 938 | 48 | 7.0 | 77.4% | 37.5% |
| PH | 310 | 732 | 36 | 4.2 | 46.9% | 61.1% |
| PH | 312 | 738 | 36 | 3.2 | 35.8% | 22.2% |
| PH | 314 | 916 | 48 | 3.7 | 41.3% | 37.5% |
| PH | 320 | 735 | 36 | 3.5 | 39.4% | 30.6% |
| SEB | 164 | 1,131 | 64 | 3.5 | 39.4% | 14.1% |
| SEB | 187 | 543 | 36 | 3.7 | 41.3% | 11.1% |
| SEB | 378 | 618 | 30 | 3.7 | 41.3% | 10.0% |
| SEB | 384 | 654 | 44 | 3.5 | 39.4% | 27.3% |
| SEB | 386 | 607 | 40 | 3.7 | 41.3% | 25.0% |
| SFH | 172 | 667 | 48 | 3.5 | 39.4% | 54.2% |
| VAR | 205 | 1,151 | 90 | 3.5 | 39.4% | 11.1% |
| WH | 313 | 500 | 25 | 3.2 | 35.8% | 76.0% |
| Totals | | 14,833 | 881 | 80.9 | 45.0% | 33.0% |

OAKLAND UNIVERSITY

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 approximately 1944 line items – totaling over \$190.28 million. The present list has been updated by Oakland University Facilities Management. In addition to this summary report, the database is capable of producing ad-hoc reports by priority rank, building system, 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 as a point of departure for broader facilities planning.

The original Facilities Condition Assessment was completed in 2006 and was updated in 2008. This assessment identified needs, established scope, determined preliminary costs, and prioritized facility projects for the University.

MAJOR CHANGES FROM LAST YEAR'S REPORT INCLUDE:

\$13.24M net added for items addressed in the 2009 updated Facility Condition Assessment:

| System Code | System Description | Million Dollar | | | 2009 Totals |
|-------------|------------------------------|----------------|-----------------|--------------|-------------|
| | | 2008 Reported | Closed Projects | New Projects | |
| AC | Accessibility | \$1.60 | \$0.04 | \$0.26 | \$1.82 |
| EL | Electrical | \$14.97 | \$0.82 | \$0.14 | \$14.29 |
| EN | Energy | \$0.86 | \$0.00 | \$0.54 | \$1.40 |
| ES | Exterior System | \$11.57 | \$1.66 | \$5.98 | \$15.89 |
| FS | Fire/Life Safety | \$9.78 | \$0.00 | \$0.33 | \$10.11 |
| HE | Health | \$0.46 | \$0.00 | \$0.22 | \$0.68 |
| HT | High Temp / Hot Water | \$15.21 | \$1.90 | \$8.44 | \$21.74 |
| HV | HVAC | \$26.78 | \$0.08 | \$1.05 | \$27.76 |
| IS | Interior System | \$35.31 | \$5.25 | \$2.43 | \$32.49 |
| IT | Information Technology | \$21.58 | \$0.69 | \$0.75 | \$21.65 |
| PL | Plumbing | \$4.39 | \$0.08 | \$0.23 | \$4.54 |
| RW | Roads / Walks / Parking Lots | \$13.63 | \$0.50 | \$5.26 | \$18.39 |
| SI | Site | \$17.07 | \$1.27 | \$0.35 | \$16.15 |
| VT | Elevator | \$3.83 | \$0.62 | \$0.17 | \$3.39 |
| | | \$177.04 | | | \$190.28 |
| | NET CHANGE FROM PREVIOUS | | \$12.91 | \$26.15 | \$13.24 |

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, 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 under funding 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 ASSESMENT 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

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 – nine)

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.

SOURCE: Association of Higher Education Facilities Officers (APPA)

ABBREVIATIONS

CAMPUS SYSTEM - Accessibility (AC)
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)
Roads, Walks, Parking Lots (RW)
Site (SI)
Vertical Transportation (VT)

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. (This will always be higher than a related facility condition index (FCI) which only recognizes deferred plant renewal needs, rather than the total needs to meet current standards).

Facility Condition Needs Index

| 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 indicated |

FACILITIES REPLACEMENT COST FRC 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.

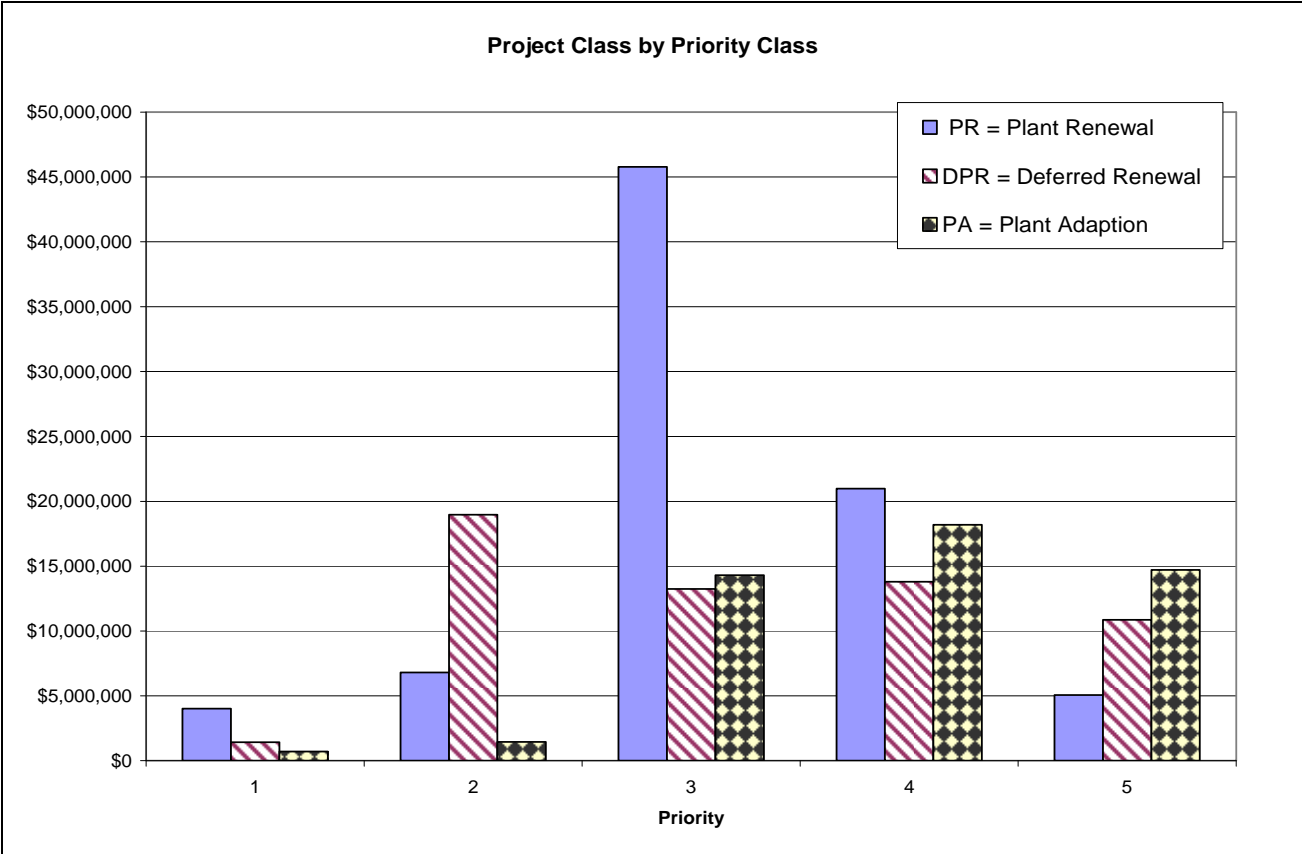
**Executive Summary
Facility Condition Analysis
Totals by Building**

| Asset Code | Name | Use | Square Feet | FRC | Project Costs | FCNI Total | Benchmark Per APPA |
|----------------------|--|-------------|--------------------|----------------------|----------------------|-------------------|-------------------------------|
| ANI | Anibal House | HS | 20,487 | \$3,457,711 | \$1,053,533 | 0.30 | Fair Condition |
| ASD | Athletic Sports Dome | UNIV | 30,557 | \$4,780,643 | \$2,194,616 | 0.46 | Poor Condition |
| BB | Belgian Barn | AUX | 9,324 | \$628,230 | \$300,765 | 0.48 | Poor Condition |
| BGM | Building Grounds & Maintenance Bldg | UNIV | 14,400 | \$1,210,263 | \$497,010 | 0.41 | Poor Condition |
| BRS | Biomedical Research Support Facility | UNIV | 14,300 | \$4,474,470 | \$1,207,818 | 0.27 | Fair Condition |
| CCC | Chicken Coop Center | AUX | 7,322 | \$638,297 | \$184,820 | 0.29 | Fair Condition |
| CHP | Central Heating Plant | UNIV | 16,833 | \$21,068,183 | \$5,212,699 | 0.25 | Fair Condition |
| DHE | Dodge Hall of Engineering | AD | 151,204 | \$39,101,822 | \$12,293,213 | 0.31 | Below Average |
| EC | East Campus | AUX | 31,357 | \$31,290,000 | \$2,336,340 | 0.07 | Good Condition |
| EH | Elliott Hall | AD | 74,582 | \$13,902,437 | \$1,534,305 | 0.11 | Good Condition |
| FM | Facilities Management Building | AD | 3,300 | \$257,911 | \$184,475 | 0.72 | Complete Facility Replacement |
| FTZ | Fitzgerald House | HS | 20,610 | \$3,478,470 | \$1,314,071 | 0.38 | Below Average |
| GAT | Gatehouse at MBH | UNIV | 2,032 | \$812,800 | \$671,942 | 0.83 | Historical |
| GHC | Graham Health Center | UNIV | 13,161 | \$1,914,455 | \$463,999 | 0.24 | Fair Condition |
| GLF | Golf Courses | AUX | 12,331 | \$20,860,000 | \$4,841,040 | 0.23 | Fair Condition |
| GRN | Greenhouse | UNIV | 3,630 | \$567,914 | \$706,399 | 1.24 | Historical |
| HAM | Hamlin Hall | HS | 143,872 | \$30,286,762 | \$11,915,972 | 0.39 | Below Average |
| HHS | Hannah Hall of Science | AD | 89,418 | \$23,123,771 | \$6,266,504 | 0.27 | Fair Condition |
| HIL | Hill House | HS | 42,522 | \$8,951,386 | \$2,922,499 | 0.33 | Below Average |
| JDH | John Dodge House | AD | 10,696 | \$1,682,661 | \$769,483 | 0.46 | Poor Condition |
| KCC | Katke-Cousins Club House | AUX | 6,038 | \$944,645 | \$214,848 | 0.23 | Fair Condition |
| KL | Kresge Library | AD | 164,522 | \$25,350,264 | \$4,655,455 | 0.18 | Fair Condition |
| MBH | Meadow Brook Hall | AUX | 78,002 | \$41,720,000 | \$8,861,422 | 0.21 | Fair Condition |
| MC | Main Campus | UNIV | 460 | \$104,300,000 | \$53,078,423 | | N/A |
| Misc | Miscellaneous small structures | AUX | 216,232 | \$1 | \$3,434,129 | | N/A |
| MSH | Married Student Housing | HS | 47,464 | \$6,597,457 | \$465,431 | 0.07 | Good Condition |
| NFH | North Foundation Hall | AD | 67,691 | \$12,034,758 | \$5,912,789 | 0.49 | Poor Condition |
| OC | Oakland Center | AD | 146,693 | \$22,216,840 | \$4,748,234 | 0.21 | Fair Condition |
| ODH | O Dowd Hall | AD | 105,000 | \$18,629,465 | \$8,714,142 | 0.47 | Poor Condition |
| OUInc.1 | O.U. INCubator (Health Enhancement Bldg) | UNIV | 11,385 | \$1,680,645 | \$527,709 | 0.31 | Below Average |
| OUInc.2 | O.U. INCubator (Shotwell Gustafson) | AUX | 25,850 | \$4,044,233 | \$2,113,831 | 0.52 | Poor Condition |
| PH | Pawley Hall | AD | 132,406 | \$27,045,605 | \$3,020,674 | 0.11 | Good Condition |
| PRY | Pryale Hall | AD | 20,829 | \$3,590,962 | \$1,272,327 | 0.35 | Below Average |
| PSS | Police & Support Services | UNIV | 26,444 | \$3,935,873 | \$2,197,980 | 0.56 | Poor Condition |
| SEB | Science & Engineering Building | AD | 165,494 | \$48,703,063 | \$4,649,555 | 0.10 | Good Condition |
| SFH | South Foundation Hall | AD | 55,041 | \$9,489,182 | \$1,440,495 | 0.15 | Good Condition |
| SRAC | Student Recreation & Athletic Center | AD | 253,494 | \$39,332,598 | \$2,208,932 | 0.06 | Good Condition |
| SS | Spenser Substation | UNIV | 14,769 | \$2,310,610 | \$88,000 | 0.04 | Excellent Condition |
| SST | Sunset Terrace | HS | 12,587 | \$2,373,464 | \$428,217 | 0.18 | Fair Condition |
| USA | University Student Apartment | HS | 181,291 | \$19,363,367 | \$993,113 | 0.05 | Excellent Condition |
| VAR | Varner Hall | AD | 119,939 | \$32,308,954 | \$5,851,705 | 0.18 | Fair Condition |
| VBH | Vandenberg Hall | HS | 178,321 | \$37,538,686 | \$11,918,233 | 0.32 | Below Average |
| VWH | Van Wagner House | HS | 43,305 | \$9,116,216 | \$2,971,847 | 0.33 | Below Average |
| WH | Wilson Hall & Meadow Brook Theatre | AD | 98,153 | \$16,581,900 | \$3,644,499 | 0.22 | Fair Condition |
| Grand Totals: | | sqft | 2,883,348 | \$701,696,973 | \$190,283,494 | 0.27 | Fair Condition |
| | | acre | 1,441 | | | | |

Notes: Some Assets have not been fully audited; use these values as "best case"

* Excludes Routine Maintenance

November 2009



**Detailed Project Totals
Facility Condition Analysis
Project Class by Priority Class**

| Project Classification | Priority 1 | Priority 2 | Priority 3 | Priority 4 | Priority 5 | Subtotal |
|-------------------------------|------------|------------|------------|------------|------------|-------------|
| Plant Renewal | 4,020,272 | 6,810,499 | 45,770,312 | 20,969,601 | 5,060,916 | 82,631,600 |
| Deferred Plant Renewal | 1,422,981 | 18,959,518 | 13,242,426 | 13,804,042 | 10,858,985 | 58,287,952 |
| Plant Adaption | 703,695 | 1,454,932 | 14,303,759 | 18,185,247 | 14,716,308 | 49,363,942 |
| Totals | 6,146,949 | 25,224,949 | 75,316,497 | 52,958,891 | 30,636,209 | 190,283,494 |

| | |
|----------------------------------|----------------------|
| Facility Replacement Cost | \$705,467,418 |
|----------------------------------|----------------------|

| | |
|---------------------------------|-------------|
| Facility Condition Index | 0.27 |
|---------------------------------|-------------|

| | |
|-----------------------------------|----------------|
| Total Cost per Square Foot | \$66.90 |
|-----------------------------------|----------------|

| | |
|--------------------------|------------------|
| Gross Square Feet | 2,883,348 |
|--------------------------|------------------|

**Detailed Project Totals
Facility Condition Analysis
System Class by Priority Class**

| System Code | System Description | Priority Classes | | | | | Sub Total |
|---------------|-------------------------------------|------------------|------------|------------|------------|------------|-------------|
| | | 1 | 2 | 3 | 4 | 5 | |
| | | FY'09 | FY'10 | FY'11-14 | FY'15-18 | FY'19 + | |
| AC | Accessibility | 237,898 | 6,745 | 591,939 | 808,891 | 172,204 | 1,817,678 |
| EL | Electrical | 901,215 | 507,177 | 3,582,872 | 4,175,279 | 5,123,469 | 14,290,011 |
| EN | Energy | 199,650 | 370,773 | 482,560 | 340,273 | 6,504 | 1,399,760 |
| ES | Exterior System | 402,635 | 6,134,979 | 5,874,580 | 3,143,198 | 332,427 | 15,887,819 |
| FS | Fire/Life Safety | 632,313 | 532,935 | 3,434,329 | 2,982,085 | 2,528,603 | 10,110,266 |
| HE | Health | 101,215 | 421,153 | 144,560 | 0 | 15,645 | 682,573 |
| HT | High Temp / Heat Water | 44,328 | 8,879,243 | 5,996,652 | 4,942,482 | 1,879,238 | 21,741,943 |
| HV | HVAC | 1,926,030 | 3,086,747 | 12,841,708 | 8,735,622 | 1,165,192 | 27,755,298 |
| IS | Interior / Finish System | 1,005,980 | 2,003,015 | 12,834,388 | 12,267,209 | 4,382,032 | 32,492,623 |
| IT | Information Technology | 0 | 2,000,000 | 19,645,657 | 0 | 0 | 21,645,657 |
| PL | Plumbing | 17,981 | 459,729 | 1,587,658 | 2,218,305 | 254,301 | 4,537,975 |
| RW | Roads / Walks / Parking Lots | 393,000 | 1,061,000 | 2,825,118 | 6,922,324 | 7,184,144 | 18,385,586 |
| SI | Site | 73,767 | 987,113 | 2,115,274 | 5,979,647 | 6,995,101 | 16,150,902 |
| VT | Vertical Transportation | 210,936 | 774,339 | 1,359,204 | 443,575 | 597,348 | 3,385,403 |
| TOTALS | | 6,146,949 | 27,224,949 | 73,316,497 | 52,958,891 | 30,636,209 | 190,283,494 |

| | |
|-------------------------------|---------------------|
| Plant Renewal | \$82,631,600 |
| Deferred Plant Renewal | \$58,287,952 |
| Plant Adaptation | \$49,363,942 |

| | |
|---------------------------------|-------------|
| Facility Condition Index | 0.27 |
|---------------------------------|-------------|

| | |
|----------------------------------|----------------------|
| Facility Replacement Cost | \$705,467,418 |
|----------------------------------|----------------------|

| | |
|-----------------------------------|----------------|
| Total Cost per Square Foot | \$66.90 |
|-----------------------------------|----------------|

| | |
|--------------------------|------------------|
| Gross Square Feet | 2,883,348 |
|--------------------------|------------------|

**Detailed Project Totals
Facility Condition analysis
System Class by Category**

| System Code | System Description | Plant Renewal | Deferred Plant Renewal | Plant Adaptation | Subtotal | % |
|--------------------|-------------------------------------|----------------------|-------------------------------|-------------------------|--------------------|----------------|
| AC | Accessibility | 249,945 | 72,496 | 1,495,237 | 1,817,678 | 0.96% |
| EL | Electrical | 1,409,467 | 5,458,259 | 7,422,285 | 14,290,011 | 7.51% |
| EN | Energy | 628,941 | 664,168 | 106,651 | 1,399,760 | 0.74% |
| ES | Exterior System | 7,847,057 | 7,632,537 | 408,225 | 15,887,819 | 8.35% |
| FS | Fire/Life Safety | 408,209 | 2,828,826 | 6,873,230 | 10,110,266 | 5.31% |
| HE | Health | 73,618 | 537,771 | 71,185 | 682,573 | 0.36% |
| HT | High Temp / Heat Water | 9,115,717 | 10,677,325 | 1,948,901 | 21,741,943 | 11.43% |
| HV | HVAC | 13,052,197 | 11,486,761 | 3,216,341 | 27,755,298 | 14.59% |
| IS | Interior / Finish System | 23,424,883 | 2,455,755 | 6,611,986 | 32,492,623 | 17.08% |
| IT | Information Technology | 19,645,657 | 2,000,000 | 0 | 21,645,657 | 11.38% |
| PL | Plumbing | 903,480 | 3,307,308 | 327,187 | 4,537,975 | 2.38% |
| RW | Roads / Walks / Parking Lots | 1,199,820 | 491,945 | 16,693,821 | 18,385,586 | 9.66% |
| SI | Site | 1,521,213 | 10,440,795 | 4,188,893 | 16,150,902 | 8.49% |
| VT | Vertical Transportation | 1,151,396 | 2,234,007 | 0 | 3,385,403 | 1.78% |
| | TOTALS | 82,631,600 | 58,287,952 | 49,363,942 | 190,283,494 | 100.00% |

| | |
|-------------------------------|---------------------|
| Plant Renewal | \$82,631,600 |
| Deferred Plant Renewal | \$58,287,952 |
| Plant Adaptation | \$49,363,942 |

| | |
|---------------------------------|-------------|
| Facility Condition Index | 0.27 |
|---------------------------------|-------------|

| | |
|-----------------------------------|----------------|
| Total Cost per Square Foot | \$66.90 |
|-----------------------------------|----------------|

| | |
|--------------------------|------------------|
| Gross Square Feet | 2,883,348 |
|--------------------------|------------------|

V. Implementation Plan

State Funding Request

Per guidance in the State Budget Office letter of October 20, 2009, Subject: **Fiscal Year 2011 Capital Outlay Budget Information**, only Oakland University's top priority capital outlay request is to be submitted. In accordance with that guidance, Oakland University provides the following as the top priority:

Oakland University Engineering Center (\$74.6 million)

The proposed *Oakland University Engineering Center* (OUEC) is the Universities highest priority capital outlay request and is designed to provide appropriate instructional and research facilities for programs that support automotive, defense and other industries critical to the economy of southeastern Michigan and the State of Michigan as a whole. The OUEC will add approximately 42,225 square feet of assignable space to the School of Engineering and Computer Science (SECS), sufficient to house approximately one-third of the School, as well as 34,201 square feet of assignable general purpose classroom space to support the growth of the overall student population. The project includes repair/renovation of 5,000 square feet of space being vacated by functions moving into the new OUEC.

Supplemental State Funding Requests

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

NFH Student Services Addition

The proposed 19,400 square foot addition will enable advising services to be in one location and allow for a major upgrade of two heavily used classrooms, bathrooms and the conversion of existing office space adjacent to these services into classrooms.

Varner Hall Addition and Renovation

The proposed addition would house the Music, Theatre and Dance Department with the space vacated in Varner renovated into general purpose classrooms.

University Funded Priorities

Wind Turbine (not funded)

Two years of wind speed data was collected, and a feasibility study was conducted to build a utility sized wind turbine on campus. The study shows the proposed installation to be extremely cost-effective.

Bio-Energy Center (not funded)

The scope of this project is to utilize a wood chip boiler to provide campus heating and power. This project is economically attractive and provides a renewable and sustainable energy infrastructure for the University's future needs.

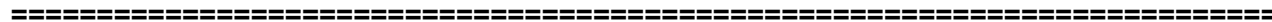
Parking Garage (not funded)

A new parking deck would provide 660 additional parking spaces to accommodate the increased demand as Oakland University grows.

Plant Renewal / Deferred Plant Renewal

As previously noted, Plant Renewal and Deferred Plant Renewal projects total \$141 million of the \$190 million Facility Condition Analysis. The current annual investment into maintenance is approximately \$1.3 million from General Fund budgets and maintenance endowments and \$1.1 from Auxiliaries Maintenance Reserves.

Oakland University
Fiscal Year 2011 CAPITAL OUTLAY PROJECT REQUEST
Engineering Center
Total Project Cost: \$74,551,739
November, 2009



| | | |
|--|------------------|------------------|
| <i>Is The Project A Renovation or New Construction?</i> | Ren <u> x </u> | New <u> x </u> |
| <i>Is There a 5 Year Master Plan Available?</i> | Yes <u> x </u> | No <u> </u> |
| <i>Are Professionally Developed <u>Program Statement</u> and/or Schematic Plans Available Now?</i> | Yes <u> x </u> | No <u> </u> |
| <i>Are Match Resources Currently Available?</i> | Yes <u> </u> | No <u> x* </u> |
| <i>Has the University Identified Available Operating Funds?</i> | Yes <u> x </u> | No <u> </u> |

*See Paragraph D below

A. Project Description Narrative

The proposed *Oakland University Engineering Center* (OUEC) is designed to provide appropriate instructional and research facilities for programs that support automotive, defense and other industries critical to the economy of southeastern Michigan and the State of Michigan as a whole. The OUEC will add approximately 42,225 square feet of assignable space to the School of Engineering and Computer Science (SECS), sufficient to house approximately one-third of the School, as well as 34,201 square feet of assignable general purpose classroom space to support the growth of the overall student population, currently 18,920.

The new OUEC will house the following facilities:

- *Integrated Design Laboratory* (IDL);
- *Advanced Design Laboratory* (ADL);
- *Engineering Student Learning Center* (ESLC);
- Department of Computer Science and Engineering;
- Thirteen general purpose classrooms;

The *Integrated Design Laboratory* is envisioned as a grouping of laboratories containing high-visibility-freshmen and senior project design laboratories for all undergraduate programs, a number of computer facilities and all the *common core* course laboratories. A core arrangement such as this will re-affirm Oakland's commitment to the "hands on" philosophy of the founding SECS faculty. It will integrate the learner's design experience throughout the curriculum from freshmen through graduate level and will further enhance the unique character of the undergraduate engineering experience at OU through direct design opportunities. The OUEC will not only provide a highly visible focal point to the instructional, research and development activities of the SECS, but will also provide an opportunity to highlight our contributions to the economic development of the region.

The *Advanced Design Laboratory* will house several advanced research and development projects of the SECS, with particular emphasis on the already mature interaction with local industries.

The *Engineering Student Learning Center* will provide for multiple functions, including advising, tutoring,

intern/scholarships and a student lounge. The student lounge will be a quiet place to do homework between classes and a social gathering place for students and student organizations and, above all, a place where lower division students can get instant structured and unstructured advice and help from upper division students.

The OUEC will incorporate elements currently residing in several other facilities on campus while expanding programs necessary to maintain Oakland's leadership in engineering for automotive, defense and other technical industries. Nearly two-thirds of the SECS programs will remain within the current Science and Engineering complex, and the OUEC will be located in close proximity to them within the campus environment. The facility includes general purpose classrooms to provide badly needed classroom space for Oakland's growing student enrollment. It is anticipated that the programming and design phase will require one year, followed by two years of construction.

B. Other Alternatives Considered

The School of Engineering and Computer Science will be the primary occupant of the proposed new facility. Currently, programs are housed in the Science and Engineering complex and scattered among five buildings. Relative to national norms, the School has only half of the teaching and research lab space for the types of programs being delivered. There is no other space on campus that could be cost effectively renovated to meet the needs of these programs. In general, Oakland has the lowest ratio of space to students of all the public universities in Michigan. Growth in space has not nearly kept pace with enrollment growth.

Oakland University has recently entered into a partnership with Macomb Community College to offer engineering degrees using a combination of facilities at Macomb and Oakland. This program is not a substitute for continued growth at Oakland. Without the proposed new facility, it will not be possible for Oakland to continue its growth and will not be able to help meet the demand for qualified graduates in this field that is so critical to the State's economy.

C. Programmatic Benefit to State of Taxpayers and Specific Clientele or Constituencies

The demand for qualified engineering and computer science graduates continues to exceed the number available. With its prime location adjacent to a number of auto-related and defense-related industry headquarters, Oakland is poised to help meet this demand. OUEC is designed to enhance use of existing facilities and provide additional facilities for instructional programs and industry-related initiatives. Oakland provides a number of services directly to industry, primarily in the form of research projects, tailored education initiatives, and state-supported grants.

D. Funding Resource

If this project receives State funding approval, plans are in place to immediately begin soliciting private support as part of the University's comprehensive campaign for the required matching funds. If necessary, bonds will be issued to supplement the private support.

**OAKLAND UNIVERSITY
CAPITAL OUTLAY
ESTIMATE
Engineering Center**

November, 2009

| | ASF | Efficiency | Gross SF | \$/SF | Cost | Totals |
|--|--------|------------|----------|------------|--------------|---------------------|
| 1 Building: | | | | | | |
| a. Classrooms | 34,201 | 66% | 51,820 | 259 | \$13,421,380 | |
| b. IDL | 21,780 | 61% | 35,705 | 402 | \$14,353,410 | |
| c. ADL | 7,658 | 61% | 12,554 | 402 | \$5,046,708 | |
| d. ESLC | 2,860 | 61% | 4,689 | 172 | \$806,508 | |
| e. CSE Departmental Office | 5,117 | 61% | 8,389 | 172 | \$1,442,908 | |
| f. Gathering spaces | 3,450 | 61% | 5,656 | 216 | \$1,221,696 | |
| g. Technical Support | 1,360 | 61% | 2,230 | 172 | \$ 383,560 | |
| Total new const. | 76,426 | | 121,043 | | | \$36,676,170 |
| a. Hannah Hall | 5,000 | | 5,000 | 100 | \$ 500,000 | \$ 500,000 |
| Total buildings | 81,426 | | 126,043 | | | |
| Total Building Cost | | | | | | \$37,176,170 |
| | | | | \$/Bldg.SF | | |
| 2 Site work: | | | | | | |
| a. OUEC Utilities to site | | | | | \$ 812,491 | |
| b. OUEC Landscaping | | | | | \$ 467,495 | |
| Total Site work Cost | | | | | | \$ 1,279,986 |
| | | | | \$/GSF | | |
| 3 Fixed (Group 1) Equipment | | | | | | |
| a. OUEC | | | | | \$3,762,056 | |
| b. Hannah Hall | | | | | \$ 175,000 | |
| Total Group 1 Equipment Cost | | | | | | \$ 3,937,056 |
| 4 Total Construction Cost (Items 1 thru 3) | | | | | | \$42,393,212 |
| | | | | Percent | | |
| 5 Fees and Contingency | | | | | | |
| a. Programming | | | | 0.75% | \$ 317,949 | |
| b. Architectural / Engineering / State Mgt. Fees | | | | 11.00% | \$4,663,253 | |
| c. Construction Management Fees | | | | 3.00% | \$1,271,796 | |
| d. Design and Construction Contingencies (10%+10%) | | | | 20.00% | \$8,478,642 | |
| Total Fees and Charges | | | | | | \$14,731,640 |
| 6 TOTAL CONSTRUCTION COST | | | | | | \$57,124,852 |
| | | | | \$/ASF | | |
| 7 Movable (Group 2) Equipment | | | | | | |
| a. OUEC Movable Equipment | | | | | | \$1,505,010 |
| b. OUEC Laboratory Equipment | | | | | | \$5,601,575 |
| c. Hannah Hall Movable Equipment | | | | | | \$175,000 |
| Total Movable Equipment | | | | | | \$7,281,585 |
| 8 TOTAL PROJECT COST @ 2007 DOLLARS | | | | | | \$64,406,437 |
| 9 Project Escalation to 2009 (6.00%) | | | | | | \$3,864,386 |
| 10 Project Escalation to 2010 (5.00%) | | | | | | \$3,413,541 |
| 11 Project Escalation to 2011 (4.00%) | | | | | | \$2,867,375 |
| 12 TOTAL PROJECT COST @ 2011 DOLLARS | | | | | | \$74,551,739 |

**OAKLAND UNIVERSITY
PROJECT DATA SHEET**

November, 2009

Engineering Center

Estimated Cost of:

| | | |
|----|--|---------------------|
| 1. | The structure (General, mechanical, electrical, fixed equipment, and contingencies) | \$41,113,226 |
| 2. | Services from five feet outside of the structure (Sewers, water supply, etc.) | \$1,279,986 |
| 3. | Furnishings (Furniture, movable equipment, etc., not considered a part of the structure nor requiring fixed mechanical and/or electrical services) | \$7,281,585 |
| 4. | Professional fees, surveys, site investigations, state supervision, etc. | \$4,981,202 |
| 5. | Other | \$9,750,438 |
| 6. | Total estimated project cost, bid Sept 2007 | \$64,406,437 |

| | |
|---|---------------------|
| Project Escalation (6% for 2009 construction) | \$3,864,386 |
| TOTAL PROJECT COST @ 2009 DOLLARS | \$68,270,823 |
| Project Escalation (5% for 2010 construction) | \$3,413,541 |
| TOTAL PROJECT COST @ 2010 DOLLARS | \$71,684,364 |
| Project Escalation (4% for 2011 construction) | \$2,867,375 |
| TOTAL PROJECT COST @ 2011 DOLLARS | \$74,551,739 |

Engineering Center (Only)

| | | | |
|-------------------------|-----------|--------------------|-------|
| Total net square feet | 76,426 | | |
| Total gross square feet | 121,043 | *Cost/gross sq.ft. | \$616 |
| Total gross cubic feet | 1,694,602 | *Cost/gross cu.ft. | \$44 |

| Space Description - Character and Room Use Categories | Number of Rooms | Stations per Room | Total Stations | SF per Room | Total Net SF |
|---|-----------------|-------------------|----------------|-------------|---------------|
| CLASSROOMS AND ASSOCIATED SPACES | | | | | |
| Classroom | 13 | 100 | 1,300 | 2,541 | 33,033 |
| Food Prep, Kitchenette | 1 | 1 | 1 | 200 | 200 |
| Small Conference Room | 2 | 25 | 50 | 484 | 968 |
| Subtotal Classrooms and Associated Spaces | | | 1,351 | | 34,201 |
| LABORATORY SPACE | | | | | |
| Integrated Design Laboratory (IDL) | | | | | |
| Thermodynamics | 1 | 30 | 30 | 1,452 | 1,452 |
| Statics/Dynamics | 1 | 36 | 36 | 1,452 | 1,452 |
| Circuits/Digital Logic | 1 | 36 | 36 | 1,452 | 1,452 |
| Basic Computing Labs (141, 125) | 1 | 36 | 36 | 1,452 | 1,452 |
| Sr. Design Lab - Elec., Comp. Eng. | 1 | 36 | 36 | 1,452 | 1,452 |
| Sr. Design Lab - Mechanical | 1 | 36 | 36 | 1,815 | 1,815 |
| Machine Shop | 1 | 1 | 1 | 726 | 726 |
| Sr. Design Lab - Ind. Systems Eng. | 1 | 36 | 36 | 1,452 | 1,452 |
| Sr. Design Lab - Computer Science. | 1 | 36 | 36 | 1,452 | 1,452 |
| Freshmen/Sophomore Design Labs | 2 | 25 | 50 | 1,815 | 3,630 |
| Freshmen/Sophomore CAM | 1 | 25 | 25 | 1,815 | 1,815 |
| Comp. Lab, General Purpose | 1 | 50 | 50 | 1,815 | 1,815 |
| Comp. Lab, Workstations | 1 | 50 | 50 | 1,815 | 1,815 |
| Subtotal | | | 458 | | 21,780 |
| Advanced Design Laboratory (ADL) | | | | | |
| Clean room, Class 100, MEMS | 1 | 1 | 1 | 726 | 726 |
| Advanced Dyno-Chassis-Engine Lab | 1 | 10 | 10 | 1,452 | 1,452 |
| Mechatronics/Controls/Unman Vehicle | 1 | 40 | 40 | 5,480 | 5,480 |
| Subtotal | | | 51 | | 7,658 |
| Subtotal Laboratory Space | | | 509 | | 29,438 |
| OFFICES AND SUPPORT | | | | | |
| Engineering Student Center | | | | | |
| Assistant Dean | 1 | 3 | 3 | 160 | 160 |
| Engineering Student Center Secretary | 2 | 1 | 2 | 160 | 320 |
| Advisors/Tutor Rooms | 4 | 4 | 16 | 120 | 480 |
| Student Conf./Meeting | 1 | 12 | 12 | 300 | 300 |
| Student Organization/Group Work Area | 2 | 30 | 60 | 640 | 1,280 |
| Copy/Fax/Mail | 1 | 0 | 0 | 200 | 200 |
| Storage | 1 | 0 | 0 | 120 | 120 |
| Subtotal | | | 93 | | 2,860 |

| Space Description - Character and Room Use Categories | Number of Rooms | Stations per Room | Total Station | SF per Room | Total Net SF |
|--|-----------------|-------------------|---------------|-------------|----------------|
| CSE Departmental Office | | | | | |
| CSE Chair | 1 | 3 | 3 | 165 | 165 |
| CSE Secretary - Full Time | 2 | 3 | 6 | 100 | 200 |
| CSE Secretary - Part-time, lockable storage | 1 | 1 | 1 | 120 | 120 |
| CSE Faculty Office | 26 | 3 | 78 | 112 | 2,912 |
| CSE Graduate Assistant Office | 5 | 3 | 15 | 240 | 1,200 |
| CSE Faculty Lounge | 1 | 6 | 6 | 200 | 200 |
| Copy/Fax/Mail | 1 | 0 | 0 | 200 | 200 |
| Storage | 1 | 0 | 0 | 120 | 120 |
| Subtotal | | | 109 | | 5,117 |
| Gathering Spaces | | | | | |
| Student Lounge / Vending | 1 | 88 | 88 | 2,500 | 2,500 |
| Vending | 1 | 0 | 0 | 200 | 200 |
| Connecting Bridge to Dodge Hall | 1 | 0 | 0 | 750 | 750 |
| Subtotal | | | 88 | | 3,450 |
| Technical Support Space | | | | | |
| Technical Support Workshop | 1 | 14 | 14 | 1,060 | 1,060 |
| Server / Switch | 1 | 0 | 0 | 300 | 300 |
| Subtotal | | | 14 | | 1,360 |
| Subtotal Offices and Support | | | 304 | | 12,787 |
| Totals for All Assignable Space | | | 2,164 | | 76,426 |
| UNASSIGNABLE SPACES | | | | | |
| Mechanical, Electrical, Communications, Corridors, Stairs and Elevators, Building Walls and Structure (assumed 61% efficiency at Laboratory spaces and 66% efficiency at classroom spaces) | | | | | 44,617 |
| Subtotal Unassignable Spaces | | | | | 44,617 |
| GRAND TOTALS | | | 2,164 | | 121,043 |