

HUMAN HEALTH BUILDING



Oakland University

Future home of the Oakland University School of Nursing
and School of Health Sciences



We believe that physical, mental and emotional health and well-being are precious and essential to living a high-quality life and are achieved through active participation, acquisition of knowledge and quality preparation of our students and faculty who will touch the lives of their patients, colleagues, families and communities.

Oakland University HUMAN HEALTH BUILDING

Advancing Knowledge, Improving Care

Educating and preparing the next generation of professionals to ensure quality care, safety and the prevention of health problems is paramount to the mission of Oakland University. Health and safety professions are critically dependent upon the success of this mission.

Beginning in 2012, the School of Nursing (SON) and the School of Health Sciences (SHS) will relocate to a new 160,000-square-foot Human Health Building where they will operate under one roof for the first time in university history, creating an enhanced learning environment that will give students an edge to be better prepared to enter the work force and care for you.



Two life-changing programs

Oakland University's SHS and SON have been preparing health, safety and wellness practitioners for more than three decades. During that time, both programs have become leaders in producing exceptional graduates who put people first. These are the men and women you see in local emergency rooms, evaluating vital signs and calming frightened patients. They are the people who ensure assembly line safety for workers, help patients learn to walk again, teach the power of good nutrition and research ways to ease the pain of cancer treatments. They do this quietly, without fanfare or accolades. They do this because they care.

The School of Nursing offers innovative, patient-centered training for the whole spectrum of nursing, from family care to gerontology. Students benefit from the SON's strong partnerships and clinical connections, which enable them to learn under the guidance of professors with extensive real-world experience and complete their clinical training with one of more than 30 top hospitals, clinics and health care providers in metro Detroit.

For students in the School of Health Sciences, the goal is to improve health, prevent disease and injury, and enhance workplace safety. An SHS degree can open doors to exceptional careers as physical therapists, wellness directors, medical laboratory technologists and scientists, nutrition experts and more. The school's blend of theory and practice also prepares graduates for admittance into leading schools of medicine, pharmacology and dentistry.

Our goal is to create an educational environment that prepares graduates to be part of your life.



Caring for us all

The need for well-trained health care professionals continues to grow as the American population ages, as chronic diseases such as obesity and diabetes become more common, and as an even greater demand is placed on the health care system as a whole. Without enough people to take on these challenges, quality of care will suffer. Wait times to see physicians and nurse practitioners will grow. Lab results will take longer. Physical therapy options will be reduced, and caregivers will be stretched too thin.

The health care industry has added more than 500,000 jobs over the last several years, despite difficult economic times. Many of these positions remain open, however, waiting for qualified applicants to fill them. The School of Nursing and the School of Health Sciences are dedicated to helping eliminate those gaps, graduating more than 600 health care professionals each year, all of whom are prepared and ready to contribute on the job from day one. And thanks to an Accelerated Second Degree BSN program, many graduates are Michigan workers embarking on a new career, finding hope in helping others.

"I've been able to witness the growth and development of OU graduates into well-rounded, valued safety and health professionals who help keep employees safe and productive on jobs throughout the industry. I am very pleased to see the development of a new location for the program ... The elements designed into the new building will help prepare occupational safety and health program graduates to meet the challenges they'll face in the future."

Michael Stamper

Graduate of the School of Health Sciences' occupational safety and health (OSH) program, senior manager of Chrysler Group LLC's OSH department, 2009 safety manager of the year

Building a healthier, safer community

The impact of the Human Health Building will be felt well beyond the classroom. It will affect change throughout the community, touching lives and enriching the health and well-being of thousands.

Keep talented caregivers close to home

More than 85 percent of SON and SHS graduates remain in Michigan after graduation, contributing to the state's economy and stemming the flow of talent out of the region. An Oakland University education provides students with advanced technologies and resources, as well as the platform to experience real life situations so they will be ready to contribute and participate in the spectrum of industries that will hire them to care for the people of southeast Michigan.

Offer better care to more people

A history of community outreach is the motivation behind the community health center and clinic, and it is the driving force behind such programs as *Bridge the Gap*, which provides stroke survivors with free physical therapy treatment by graduate students under the supervision of experienced, licensed therapists. With the added treatment space available in the new complex, the program will be able to increase enrollment, helping more patients than ever before. The Human Health Building also will be home to the SON's growing Gerontological Center for Excellence and the SHS Prevention Research Center.

Help people make healthier choices

An ideal base for community education courses focused on wellness, exercise science, nutrition and more with a teaching kitchen that will enable dietary specialists to share strategies on how families can eat healthier, more nutritious meals. Auditorium and seminar spaces will offer ideal locales for guest lectures and conferences while the health clinic will help adults and children learn how to take better care of themselves.

Nursing Research Topics

Post-surgical Pain Management; Palliative Care
Carrie Abele, Ph.D., RN

Successful Aging through Holistic Self-care and Spirituality in Aging
Karen Dunn, Ph.D., RN

Relationship-based Care Models
Margaret Glembocki, DNP, RN

Relationship-based Care; Clinical Leadership
Claudia Grobbel, DNP, RN

Fall Prevention in Hospitalized Older Patients
Barbara Harrison, Ph.D., GNP
Marisa Ferrari, DNP, RN

Interventions in Geriatric Populations; Advanced Practice Gerontological Nursing
Barbara Harrison, Ph.D., GNP

Simulation in Nursing Education; Pediatric Nursing
Meghan Harris, Ph.D., RN

Women's Health Issues and Genetics
Dorothy Hawthorne-Burdine, Ph.D., RN

Palliative Care; Health Disparities; HIV Education and Intervention
Frances Jackson, Ph.D., RN

Childhood Obesity Prevention programs; Epidemiology of Diabetes Among Chaldean Americans
Suha Kridli, Ph.D., RN

Nurse Anesthesia Education
Lisa Mileto, CRNA, RN

Postpartum Depression; Cord Blood Stem-cell Research
Anne Marie Mitchell, Ph.D., CNM, WHNP

Nursing Student Aptitude Relationship with Attrition and NCLEX Readiness
Gary Moore, Ph.D., RN

Nursing Theory and Nursing Education Related Issues
Sarah Newton, Ph.D., RN

Teaching Methods; Chaos Theory
Barbara Penprase, Ph.D., RN

Nursing Informatics
Ron Piscotty, MSN, RN

HIV Research in Patient Coping Techniques and Intervention Education; Simulation in Nursing Education
Laura Pittiglio, Ph.D., RN

Use of Multisensory Environments in Dementia Patient Care; Motivational Interviewing
Cheryl Riley-Doucet, Ph.D., RN

Evaluation of Educational Strategies in Nursing
Darlene Schott-Baer, Ph.D., RN

Alzheimer's Disease and Dementia Patient Quality of Life and Care; Mental Health Issues in Older Women
Ann Whall, Ph.D., RN, FAAN, FGSA



Research that changes lives

One of the most exciting opportunities made possible through the new Human Health Building will be the expansion of research facilities for use by professors and student research assistants. Translational research has long been a hallmark of both the SHS and SON with faculty members immersed in studies that have a fast, direct impact on patient health. Current research studies range from cancer prevention and oncology rehab treatments to childhood obesity and fall prevention.

Studies such as these provide exceptional opportunities for graduate and undergraduate students to participate in deeply meaningful work that directly affects patient care. It also creates productive mentoring relationships between students and top-tier faculty members, who are dedicated not only to teaching but to finding answers to some of the biggest issues in health, safety and wellness. SON and SHS faculty researchers look to the future searching for ways to improve quality of life through the prevention and care of disease and injury.

Health Science Research Topics

The Impact of Exercise in Oncology Rehab

Jacqueline Drouin, Ph.D., Physical Therapy; Deborah J. Doherty, PT, Ph.D., CEAS

Childhood Obesity

Brian Goslin, Ph.D., Exercise Science; Patricia Wren, Ph.D., Higher Education

Stroke Recovery

Susan Saliga, PT, MS, D.H.Sc., Physical Therapy

Breast Cancer: Effects of Estrogen and Progesterone on Induction of Hormone Receptor in Embryonic Stem Cell Derivatives

Sumit Dinda, Ph.D., Medical Laboratory Sciences

Prevalence of Disability Among Immigrants

Florence Dallo, Ph.D., MPH, Wellness, Health Promotion & Injury Prevention

School-based Nutrition

Jennifer Lucarelli, Ph.D., Health Sciences

Improving Quality of Life of Female Cancer Survivors

Robert Jarski, Ph.D., director of the Complementary Medicine and Wellness Graduate Certificate Program in the School of Health Sciences; with Beaumont doctors Frank Vicini, M.D., corporate chief of oncology; and Ruth Lerman, M.D., staff physician, William Beaumont Breast Care Center.

Application of Ultrasonic Assisted Wound Therapy to Improve Healing in Patients with Chronic Venous Insufficiency

Sara Maher, Ph.D., PT, DScPT, OMPT, Physical Therapy

Assessing the Outcomes of Percutaneous Myofascial Lengthenings (PERCS) in Children with Cerebral Palsy

Melodie Kondratek, Ph.D., PT, DScPT, OMPT, Physical Therapy

Shoulder Function in Women Following Breast Cancer

Treatment: A Comparison Study
Marie Eve-Pepin, Ph.D., PT, DPT, OMPT, Physical Therapy

Nursing Home Safety

Sara F. Maher, Ph.D, PT, DScPT, OMPT, Physical Therapy; and Charles W. McGlothlin Jr., Ph.D., Physical Education

Design and Operation of Aerosol Samplers Using CFD, and the Transport of Particulate Matter in Working Environments

Aaron J. Bird, Ph.D., Occupational Health and Safety



Going green for good health

Just as the students and faculty of the Human Health Building are dedicated to advancing the good health of people, the building itself is designed to promote the good health of the environment. During the construction phase, as many recycled materials as possible will be used, reducing waste and landfill use. Renewable elements will be incorporated wherever feasible, and upon completion, the building will include a water conservation system, enhanced air quality system and a geothermal heating and cooling system that will cut energy costs by half. Within the lab and teaching spaces, students and staff will be using eco-friendly materials. In the fire safety lab, for example, simulated fire suppression foam and alcohol-fueled burns will prevent the creation of environmentally damaging end-products.

Both The Kresge Foundation and the United States Department of Energy (DoE) have acknowledged the quality of the Human Health Building's green aspects, with the foundation contributing \$75,000 through its Green Building Initiative and the DoE providing a \$2.7-million grant. Upon completion of the project, the university will apply for U.S. Green Building Council LEED Platinum certification, the highest recognition available. The Human Health Building will become the first educational facility in the state to earn such a designation.

Leading the way in health care education

The construction of the Human Health Building will further solidify Oakland University's status as the educational anchor of Oakland County's Medical Main Street Initiative, part of a regional effort to transform southeastern Michigan into a destination for medical training, research and care. The new building is the first of a number of initiatives, including the Oakland University William Beaumont School of Medicine, that underscore OU's increasing role in health care education and training in Michigan and beyond.



The State of Michigan has shown its support by providing \$41 million toward the \$62 million cost of the Human Health Building, the result of a capital outlay bill passed by the Michigan legislature in 2009 as part of an initiative to address funding for state university campuses.

These partnerships have coincided with Oakland's transformation over the last decade into a university with an enrollment of more than 19,000 students and a burgeoning national reputation, making it the number one choice for more and more of the country's top students.

As part of Oakland University's vision for 2020, the entire university community is working toward shared goals that include greater national academic recognition, increased community partnerships, expanded research and a student-centered approach to education — goals the new Human Health Building will help achieve.





Transforming Health Care Education ... With Your Help

The students of the School of Nursing and School of Health Sciences are poised to begin a new chapter in their education, benefiting from the tools, resources and experience facilitated by the Human Health Building.

Your support will help them master vital skills; engage in valuable, life-saving research; benefit from positive mentoring relationships with professors and practitioners; help the community at large; and achieve the professional goals to which they aspire.

You can be proud knowing you were the catalyst that helped launch more than just a career for these students. You are setting them on a path of excellence, building a passion for caring and wellness that will impact our families and communities for decades to come.



Naming Opportunities

Human Health Building

\$6 million

The naming gift for the Human Health Building will touch all aspects of this 160,000-square-foot structure, impacting the spaces as well as the programs housed within it. It will help establish an endowment for the perpetual maintenance and care of the building, ensuring lasting benefits for students as they make use of the classrooms, laboratories, simulation and teaching labs, research facilities, auditoriums, distance learning sites, media labs, office space and more that comprise this groundbreaking addition to health care education in southeastern Michigan.

Gerontological Center of Excellence

\$3.5 million

Focused on the questions of aging we all must one day face, the gerontological center of excellence will expand on existing research and open new avenues of study. The naming gift will include endowment funding for a center director and provide support for the construction of the center's physical space within the Human Health Building, which will foster the continuation of advanced research in gerontology focused on improving care and quality of life for older adults.

Prevention Research Center

\$3 million

The School of Health Sciences' Prevention Research Center has served as a long-standing resource for translational research dedicated to preventing illness before it can start, while simultaneously focusing on easing symptoms and finding cures for some of life's most devastating diseases. A named gift would endow a directorship for the center and support current research in such areas as cancer and exercise, childhood obesity, stroke recovery, cerebral palsy, stem cell and healing of wounds.

Health Center and Clinic

\$3 million

The health center and clinic will serve hundreds of patients throughout the year, helping improve health care and providing access for families in our community. Naming support will fund four exam rooms, a consultation and patient education room, a medication room, office space for providers and an endowment for ongoing operating costs as well as a directorship.

Simulation Lab Suite

\$1 million

The simulation labs are among the most important training tools used by nursing students and faculty. Your gift will help students gain hands-on, real-world training in the use of equipment and techniques found in an intensive care unit, obstetrics and neonatal lab, medical/surgical lab and pediatric ICU. The gift also would help offset the costs of debriefing rooms, behavioral health standardized patient rooms and a simulation lab support suite.

Physical Therapy Lab Suite

\$750,000

For people recovering from traumatic accidents or an illness such as stroke, physical therapy is the key to getting their lives back. With three new physical therapy labs, more students than ever will be able to learn an array of therapy techniques while also providing outreach care for patients in need. The labs, including one each for neurological rehabilitation, musculoskeletal and therapeutic exercise intervention, will cover 6,000 square feet, giving students room to work and master skills.

Fire Science Lab

\$500,000

This teaching lab will enable occupational safety and wellness students in the School of Health Sciences to engage in hands-on study of fire suppression and containment. The lab will allow for live burns, fire safety research, continuing education programs and community outreach efforts.



How You Can Make a Difference

The Human Health Building is a rare chance to support men and women who have chosen to dedicate themselves to helping others. They are the people who will care for us when we're sick, who will keep our workplaces safe, who will discover new cures, who will be there for us when we need them most.

They are our future. And, right now, it is your chance to be there for them.

To learn how you can support Oakland University's Human Health Building, please contact:

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