

**FISCAL YEAR 2016
CAPITAL OUTLAY PROJECT REQUEST**

Institution Name: **CENTRAL MICHIGAN UNIVERSITY**

Project Title: **CENTER FOR INTEGRATED HEALTH STUDIES**

Project Focus: Academic Research Administrative/Support

Type of Project: Renovation Addition New Construction

Program Focus of Occupants: **The Center for Integrative Health Studies at Central Michigan University will enable the university to expand its highly-sought and economically vital emphasis in the health care marketplace, collaborating among faculty and community partners as well as serving students in The Herbert H. and Grace A. Dow College of Health Professions, College of Business Administration and College of Science and Technology.**

Approximate Square Footage: **62,000**

Total Estimated Cost: **\$25,000,000**

Estimated Start/Completion Dates: **Planning would commence immediately with construction to follow. Completion would be an estimated 18 months after the start of construction.**

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

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

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

Please provide detailed, yet appropriately concise responses to the following questions that will enhance our understanding of the requested project:

Describe the project purpose.

The Center for Integrative Health Studies at Central Michigan University is designed to increase vital access for Michigan residents and families seeking health care professionals and services. It also would address significant, unmet educational demand among prospective students and provide expertly trained graduates for the state's employers.

About 20 percent of the CMU freshman class cites health care careers as a primary area of interest. However, The Herbert H. and Grace A. Dow College of Health Professions has been at maximum capacity because of spatial limitations for the last several years in programs such as physician assistant, physical therapy, audiology and speech-language pathology. The proposed renovation and expansion would allow the college and its academic programs to expand with more space for classrooms, laboratories and clinical experiences.

The center also would give Health Professions the space needed to collaborate with other colleges and expand/add programs in biomedical engineering (with the College of Science and Technology) and Health Information Management (with the College of Business Administration). Other programs to be evaluated for adoption include clinical laboratory sciences, occupational therapy and respiratory therapy.

CMU has an exceptional reputation in health care, with its physician assistant, physical therapy, speech-language pathology and audiology graduates known for nearly 100 percent first-time pass rates on their national certification exams. Most of these programs also have 100 percent job placement rates.

The college also is serving the state with its Mobile Health Central, a customized, 39-foot motor coach that will serve rural Michigan residents by providing access to high-quality health care and preventative health education through community outreach efforts. The vehicle was funded by a \$500,000 grant from The Herbert H. and Grace A. Dow Foundation.

Ninety percent of Central Michigan University's 20,000 on-campus students are from the state of Michigan. Historical data shows most alumni stay in the state, with their jobs and commitment to communities extending from the most urban settings to the most rural.

Describe the scope of the project.

With an approximate square footage of 62,000, the center would cost an estimated \$25 million. If approved, the programming phase would begin immediately, with completion expected about 18 months after the start of construction.

The building would include designated collaboration space that prepares students for the professional world and teaches them the value of working in teams, dry laboratory space, mediated classrooms, and at least one lecture hall.

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

More than 76 percent of recent CMU alumni are choosing to live and work in the state. With nearly 90 percent of on-campus CMU students coming from Michigan, they have a natural and deep interest in serving the state's communities and residents.

Central Michigan University has an active, national model Career Services program that has built extensive relationships with employers across the state and that supports the employment efforts of recent graduates as well as alumni from years ago.

Health care in Michigan is facing significant challenges due to the aging of its population and continued dramatic changes in health care policy at national and state levels. As a consequence, there is greater need than ever to train professionals to provide preventive

and remedial health care. These are precisely the professionals who are alumni of CMU's Herbert H. and Grace A. Dow College of Health Professions and who would graduate in even greater numbers if the CMU Center for Integrative Health Studies were built.

More than a dozen careers on Michigan's Hot 50 jobs list are related to health care. As examples, within just four years, the demand:

- for physician assistants will escalate 29 percent;
- for occupational therapists is expected to grow 23 percent;
- for medical records and health information technicians is projected to climb 15 percent.

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

Central Michigan University is a tier-one institution, as ranked by U.S. News and World Report. As such, it is one of the top 200 universities in America. It also is one of the 90 largest universities in the nation. CMU is highly regarded for its personalized attention and co-curricular opportunities including research experiences starting at the undergraduate level, more leadership programming than at any other university in the nation, and expansive public service engagements. CMU is designated as a doctoral/research university by the Carnegie Foundation.

CMU is known for its health-related fields, in The Herbert H. and Grace A. Dow College of Health Professions, College of Medicine, College of Humanities and Social and Behavioral Sciences, and College of Education and Human Services. Programs in the latter two colleges include dietetics, gerontology, therapeutic recreation, psychology and the nation's No.1 undergraduate neuroscience program. CMU faculty are known for their research into the causes and treatment of Alzheimer's, Parkinson's and autism. They are helping to determine ways to reduce cognitive deficits after a stroke and are researching cancer vaccines, to name just a few key research efforts.

The Center for Integrative Health Studies at Central Michigan University would expand the emphasis on health care fields and the research that benefits patients and families across the state.

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

The 2013 campus wide Space Utilization and Needs Analysis shows the greatest need is in the academic space category, with a 165,000 assignable square foot deficit. The existing Health Professions building has the highest average hours per week of scheduled use of any building on campus. This project would provide the additional space needed to create the Center for Integrated Health Studies.

4. Does the project address or mitigate any current health/safety deficiencies relative to existing facilities? If yes, please explain.

No.

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

CMU has completed an exhaustive campus master planning process. The 2013 utilization and space needs analysis determined classrooms in The Herbert H. and Grace A. Dow Health Professions Building have the highest average hours per week of scheduled use. In comparison to accepted standards, the analysis found that CMU is operating at capacity in many buildings, including in Health Professions, and is in need of additional classroom and laboratory space.

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

Central Michigan University saves nearly \$3 million annually through energy conservation initiatives.

As in all of its construction and renovation projects, CMU is committed to integrating sustainable design by ensuring the Center for Integrative Health Studies is certified under the U.S. Green Building Councils LEED system. CMU is a leader in achieving LEED certification: its new Biosciences Building will be at least LEED silver. Its Graduate Student Housing is the first multifamily Platinum LEED building for homes in the Midwest.

Solar panels installed on CMU's Education and Human Services Building, which received CMU's first LEED certification, provide 35 percent of the facility's heat. Notably, CMU is on the Princeton Review's 2013 and 2014 lists of 322 green colleges (out of nearly 5,000 U.S. colleges and universities).

CMU is a leader among Michigan's 15 public universities in energy rebates from the public utilities and is home to the Great Lakes Institute of Sustainable Systems.

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

Yes, CMU plans to use university construction reserves and private/foundation gifts to match the state's funding.

- 8. If authorized for construction, the state typically provides a maximum of 75% of the total cost for university projects and 50% of the total cost for community college projects. Does the institution intend to commit additional resources that would reduce the state share from the amounts indicated? If so, by what amount?**

CMU is counting on state funding for this essential project. Without state funding, CMU will have to delay this project indefinitely.

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

The completed project will increase operating costs through program costs and approximately \$150,000 annually in additional utilities, with a 3 percent annual escalation. CMU would fund these additional costs through revenue brought by the additional students who would enroll in the new and expanded programs offered by the CMU Center for Integrative Health Studies. The university's \$3 million in annual energy savings also help offset costs such as these.

- 10. What impact, if any, will the project have on tuition costs?**

This project will NOT cause tuition increases. In fact, the resulting increase in enrollment will help CMU to maintain its commitment to minimal annual tuition increases.

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

If not authorized, the project would be delayed indefinitely. Michigan employers and residents would lose out on having more highly trained professionals providing much-needed access to health care services. This causes a spiral of diminishing health among Michigan residents and thus increases the state's health care costs.

It is notable that the health programs at most Michigan universities are at capacity. This means an increasing number of Michigan students will go out of state to obtain degrees to become physician assistants, physical therapists and audiologists. One can see the trickle-down effect: Once students leave the state, they're more likely to stay away rather than choosing to serve the Michigan communities that desperately need their expert care.

- 12. What alternatives to this project were considered? Why is the requested project preferable to those alternatives?**

CMU's Board of Trustees has approved a 10-year campus master plan and capital projects list. The 10-year list was developed by a cross-campus team of faculty and staff based on input from literally thousands of on-campus and community stakeholders. The

CMU Center for Integrative Health Studies is part of that list and subsequently was chosen as the No. #1 capital priority based on student and state needs.

Student demand for these programs is high and substantially un-met by Michigan's higher education system. This, in turn, leaves critical gaps in the delivery of health services across the state.

That said, expanded and new health care academic programs can be facilitated by space constructed with a moderate investment.

The health studies area is one of CMU's highest-demand areas and ranks as one of the university's top programs in academic prioritization. The project accommodates some of the highest-demand career options with the strongest career outlooks and helps to *improve the health of Michigan's residents and economy.*