

College of Science and Technology

Priorities

Spring 2007

The purpose of the college is to provide quality education in the scientific, engineering and technological fields and to enable its students, faculty and staff to engage in the creation and application of knowledge. The college is committed to the values associated with the broad liberal education essential for responsible citizenship, coupled with programs of professional study that offer students the requisite training and knowledge to become successful in careers or additional studies. In all its activities, the college supports academic excellence, global awareness, equal opportunity and diversity.

To achieve its goal of academic excellence, the college must have additional support from foundations, grant agencies, alumni, and friends. Indeed, many of the activities that distinguish CMU derive from the important contributions of college supporters. Priority projects and opportunities for alumni and friends to support the college include the following:

A. Endowing the College of Science and Technology (all departments)

Student Scholarship Endowment

Financial assistance is of paramount importance to the majority of CMU students. A top priority for the college is to strengthen our ability to provide support to recruit and retain top students from Michigan and elsewhere.

Faculty Teaching & Research Endowment

The college's success rests largely on the strengths of its faculty, whose teaching and research helps define the undergraduate and graduate experience. To ensure that the college attracts and retains the best educators and scholars available we must have the resources to support faculty research and publication, and scholarly and instructional development. It is a high priority of the college to support research that fosters student learning. By establishing named chairs, professorships, and supporting funds for faculty professional development, donors can make a lasting contribution to the college's success.

Equipment Endowment

Each department needs to maintain and replace its equipment to insure students graduate with employable and useful skills. Examples include

- Biology* Molecular studies equipment
- Chemistry* Molecular studies equipment
- Computer Science* Networking equipment
- Engineering & Technology* Design and testing equipment
- Geology* A teaching and research field station in northern Michigan
- Geography* GIS software and hardware
- Mathematics* Computer hardware and software
- Physics* Demonstration and outreach equipment

B. Enhancing the Educational Experience through Hands-on Learning

Beaver Island Biological Station

Since its establishment in 1966, the Biological Station on Beaver Island has served as a research and instructional site for thousands of CMU undergraduate and graduate students and as a base of operations for research in and around the Beaver Archipelago. In order to continue to provide CMU students and faculty with unique research and learning experiences, it is essential to support the station on Beaver Island.

Improvements to the Beaver Island Boathouse

The station's recently acquired boathouse (a former Coast Guard boathouse) is in need of turning it into a fully functional teaching and research support facility..

Research vessel

CMU needs to support an expanded research agenda on Great Lakes issues. The vessel would be stationed at the boathouse.

Replica of the original Beaver Island Life Saving Station

Our goal is to construct an exact duplicate of the 1870 Life Saving station boathouse adjacent to the station's boathouse. The facility would expand the capabilities of the boathouse to support teaching and research.

Additional property

CMU has the opportunity to purchase 60 acres adjoining its 260 acre Miller's Marsh preserve.

Additional meeting facilities

Our goal is to construct a conference center with overnight accommodations for meetings related to Great Lakes research.

Endowment for research

Funds are needed to provide an endowment for supporting researchers from CMU and elsewhere.

Neithercut Woodlands

Since its acquisition in 1956, the Neithercut has served university and K-12 students with outreach programs. The facilities are in need of repair and expansion, particularly the addition of wet lab and instructional space.

Ongoing Program Support

Giving, both restricted and unrestricted dollars, supports innovation in programming and gives the college flexibility to respond to the emerging needs of its students and faculty. Dollars are valuable to the college as they can be used to leverage other gifts and can serve as matching gifts for technological and equipment purchases.