

College of Sciences and Technology

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Office of the Dean

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To: Catherine Riordan, Provost

From: Arlan Norman, Dean

Date: 11/13/09

Subject: Updated SCOT Analysis Materials

Attached please find the College of Sciences and Technology updated SCOT analysis. The document has been updated from that which was submitted during Spring 2009.

I have listed below the requested short lists of initiatives that: (1) we are pursuing with existing budgetary resources and (2) would pursue if we had additional funding. It is my understanding that you wanted short, not exhaustive, lists in each case.

1. Currently Pursuing

Increasing support to help achieve College diversity goals. Investing in support of women student groups in departments, additional minority-student scholarships and supporting efforts of the NSF-funded ADVANCE program.

Developing systems to increase levels of non-State funding. A CST Leadership Board (to support advocacy and fund-raising) has been established and self-sustaining funds are being invested in faculty research proposal initiatives.

Developing new curriculum and instructional methods. Investing self-sustaining funds in a new Learning Assistants program in physics/astronomy and preliminary work leading to introduction of Professional Science Master's programs in several CST departments.

2. Would Pursue with Additional Resources

Replace eliminated faculty and staff positions. Five faculty (AMSEC, biology, chemistry, mathematics and physics/astronomy) and 1.7 FTE staff positions were cut in the recent round of budget reductions. All cuts occurred in departments that are experiencing enrollments pressures.

Institute enhanced science and mathematics education program (TeachWA). This program is a likely candidate for decision package funding and addresses an area of serious need in the State and region.

Enhanced curriculum opportunities. Institute Professional Science Master's programs (e.g. in mathematics and computer science), an engineering geology option in geology and a biotechnology interdisciplinary track between biochemistry and cell and molecular biology.

Comprehensive program of faculty/student scholarship. This program would be grown in all departments of the College, perhaps with a combination of private funding for scholarships and faculty summer stipends and State support for materials and supplies.

Expansion of CST/community technology development. Funding sought for fully equipping the Technology Development Center and for support of TDC associated staff personnel.

Attachment: Updated (11/13/09) CST SCOT analysis