Departmental Base Budget Overview

Department **Dean-Engineering Experiment Station** Executive **VP Research**

Index **414466** Program **04**

Base Budgets:

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	10-Year % Change
145,500	44,652	163,365	100,850	91,780	49,840	23,219	66,284	66,579	25,067	26,067	-82.08%

College Mission Statement: The College of Engineering will serve the State of Montana and the nation by: Supporting student achievement; Integrating learning and discovery; and Developing and sharing technical expertise.

The Engineering Experiment Station (EES) was first authorized by the then State Board of Education in 1924 in response to related Federal initiatives to create an analog to the Agricultural Experiment Stations within each state. Today the EES is focused on its original charge to "*conduct investigations along engineering lines that will be of value to the industries of Montana, and the general (economic) development of the State*." Support ranges from outreach by the Montana Manufacturing Extension Center and Local Technical Assistance Program, to both basic and applied faculty research aimed directly at economic development and engineering related problems facing Montana. This account represents the administrative support for the EES via the College Dean's Office.

Responsibility for the directive of the funding line for EES funds has been transferred from the VP for Research to the Dean of the College of Engineering effective FY05. The reallocation of these funds within the College is determined by the Dean.

Departmental Base Budget Overview

Department **Science-Math Resource Center** Executive **VP Research**

Index **419110** Program **04**

Base Budgets:

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	10-Year % Change
57,976	60,416	58,597	62,619	63,719	40,647	41,924	42,238	42,387	43,190	44,352	-23.50%

The Science/Math Resource Center (SMRC) was founded by MSU in the early 1970's. During the last three decades, SMRC has sponsored internally and externally funded projects that have provided (1) professional development in science and mathematics education for MSU faculty; (2) summer and school year opportunities in math and science for K-12 teachers and their students; (3) public awareness opportunities, ranging from public television segments to a weekly newspaper column on new developments in the sciences. SMRC sponsors the Science Olympiad which brings 1,100 MT middle and high school students to campus each year. SMRC also founded the Brown Bag Group, a science and mathematics education interest group, which has met for more than 20 years. Many of MSU's current and past math and science initiatives (for example, SIMMS, STEP, the inter-college distance-based Master of Science in Science Education degree program, CLT West), are outgrowths of discussions in the Brown Bag Group. Building upon the state investment, the current SMRC Director has raised $24.4 million in external funding since 1995 to support the Center's work. One major project currently housed in SMRC is a multi-state NSF Center for Learning and Teaching which conducts research on math and science education for high need student populations in rural and urban areas in the West, and provides full Fellowships for more than 60 doctoral and postdoctoral researchers at five research universities in MT, OR and CO. Supplements to this $10M award allowed the Center to host a national research conference at NSF headquarters on culturally responsive mathematics curricula, and gave $350,000 to MSU to provide fellowships to Native American researchers on science and mathematics education. Seven MT tribal college faculty are among the current fellowship awardees. A $400,000 NSF supplement received in Fall 2006 puts MSU in the lead role among a dozen universities developing a national conference and book on preparing researchers to address diversity and equity issues in science and mathematics education. A second major project is an NSF Math and Science Partnership which provides online mentoring and induction support for more than 500 beginning math and science teachers throughout Montana and in 16 partner states stretching from Louisiana to Alaska and Hawaii. The SMRC Director co-authored a chapter describing this program for a recent Harvard Education Press book on distance learning. A third major project funded in Fall 2006 is an NSF Math and Science Partnership that will bring $1.4 M to MSU to provide professional development for elementary science teachers of Native American students on two reservations in Montana.

The decreases from 1998 to 1999 and from 2001 to 2002 are due to budget cuts.