

LaVerne Bitsie-Baldwin

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(785) 532-5949

Education

- MS, Mathematics, Kansas State University, Manhattan, Kansas, May 2000.
- BA, Mathematics, Fort Lewis College, Durango, Colorado, 1991.
Minor, Secondary Education

Demonstrated Skills and Capabilities

- Planning and organizational skills developed through creating and implementing educational and retention programs
 - Capability to comprehend and convey extensive research projects and manage budgets
 - Ability to work independently and to network effectively
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Employment

Director, Multicultural Engineering Program, Kansas State University, College of Engineering, Manhattan, Kansas, July 2005 – Present

Instructor, Baa' Ho'zho' Math Camp, Dine' College, Tsalie, AZ summer 2018

Interim Director, Multicultural Engineering Program, Kansas State University, College of Engineering, Manhattan, Kansas, August 2004 – July 2005

Mathematics Instructor, Barton County Community College, Fort Riley, Kansas August 2002-2004

Supervisor/Professional Tutor, Barton County Community College, Fort Riley, Kansas

March 2002-2004

Mathematics Instructor, SIPI Upward Bound, Albuquerque, NM summer 2003 and summer 2004

Professional Tutor, Sylvan Learning Centers, Manhattan, Kansas

May 2001-March 2002

Graduate Teaching Assistant, Department of Mathematics, Kansas State University, Manhattan, Kansas.

August 1994 to 2001; completed mathematics MS and completed PhD coursework

Mathematics Instructor, University of New Mexico, Albuquerque, New Mexico

Council of Energy Resource Tribes (CERT), Summer 1997

Graduate Teaching Assistant, Department of Mathematics, Oklahoma State University, Stillwater, Oklahoma. August 1992 to May 1994.

Project Assistant, Conference for Oklahoma Native Americans Mathematics Educators and Students, OSU-NSF Grant, 1993-1994

Mathematics Instructor, American Indian Science & Engineering Society (AISES), Oklahoma State University, Stillwater, Oklahoma. Summer 1995.

Project Manager, American Indian Science & Engineering Society, Boulder, Colorado January 1992 to August 1992.

(AISES/Upward Bound Math and Science Regional Center held at the University of Colorado.)

- Developed, implemented and coordinated the summer academic residence program.

- Revised and successfully resubmitted grant proposal to US Department of Education.
- Designed curriculum.
- Administered funding.
- Coordinated Academic and Residential staff.
- Supervised academic and cultural enrichment.

Mathematics Instructor, AISES Computer Science and Engineering Camp, Caltech, Pasadena, California. June 1991-August 1991.

(Program consisted of students with demonstrated ability and /or interest in mathematics and science.)

- Taught Logic Circuits and Boolean algebra.
- Tutored and assisted teaching programming in LOGO.

Proposals

Pathways to STEM: Kansas Louis Stokes Alliance for Minority

Participation, National Science Foundation, Senior Personnel, September 2013 to September 2018, \$2.4 million

Educational Opportunity Fund, K- State Student Governing Association; FY2006-FY2012 total of \$135,860

MAPS: The Project IMPACT Summer Bridge Program, ConocoPhillips, Director, 2010-2014, \$290,000 of a \$1 million dollar grant to KSU Project IMPACT

MAPS: The Project IMPACT Summer Bridge Program, Cargill Corporation, Director, 2009-2011, \$415,000 of a \$1 million dollar grant to KSU Project IMPACT

MAPS: Multicultural Academic Program Success summer bridge program, Dow Chemical, Director, 2006-2008, \$215,000

Kansas State Pollution Prevention Institute, US EPA, E2/P2 Internship program advisor 2010-2014, \$135,455

NACME Block Grant Scholarships, National Action Council for Minorities in Engineering, Scholarship Coordinator, 2005-2019, \$672,000

K-State STEP: Increasing the Number and Diversity of Students Graduating in STEM Fields at Kansas State University, National Science Foundation, Co-PI, August 2005, \$1.66 million

Presentations/Conference Planning

- **Indigenous Peoples Day Conference** planning team at Kansas State University, 2016-2018
- **Development Presentations** to corporate partners to seek support for KSU MEP
 - Dow Chemical, Cargill, ConocoPhillips, Halliburton, ExxonMobil, Dow Chemical, Dow Corning, Land O'Lakes, Target corporation, etc
- **Diversity presentations** to KSU Engineering classes each year
 - ARE/CNSM, ME, Engineering Undecided, CE
- **E3 Teacher Workshop Speaker** to engage secondary STEM teachers in diversity programs at KSU, May 29, 2014
- **NACME 2011 Continuum Meeting**, KSU Structures for Student Diversity: A foundation for significant growth, October 19, 2011

- **Leadership Kansas**, Presented to 2008 Class on the need for multicultural Engineers, Fall 2008
- **Topology Seminar**, KSU Mathematics Department, 1999-2001
- **NCTM 1994-95 Regional Conference**. Tulsa, Oklahoma. October 13-15, 1994.
- **MIE/OSU Panel**. Stillwater, Oklahoma. May 29 1994.
- **American Indian Education Expo**. Topic: AISES. OU-Norman, Oklahoma. May 4, 1994.
- **OU/AISES Science Fair, Presenter**. Topic: Set Theory Games. Norman, Oklahoma. April 1, 1994.
- **American Indian Education Expo**. Topic: AISES. OU-Norman, Oklahoma. May 7, 1993.
- **MAA-Arkansas/Oklahoma Section Meeting**. Topic: CONAMES. March 27, 1993.
- **Mathcounts**. Topic: Set Theory Games. Tulsa, Oklahoma. September 26, 1992.

Awards/Honors

- **Endowed Chair**, Dow Directorship of the Multicultural Engineering Program, Kansas State University, College of Engineering, 2005 to present
- **2018 Women of Color, History Makers in Diversity Award** (NAMEPA)
- **Flint Hills Regional Leadership Program Alumni**, 2017-2018 Class
- **Educator of the Year 2014**, INROADS/Midwest Region Inc.
- **2013 Commerce Bank Faculty and Staff Award** for Distinguished Service to Historically Under-Represented Students at Kansas State University
- **NAMEPA 2010 Outstanding MEP Director Award**, National Award for the best Multicultural Engineering Program in the country
- **NAMEPA 2010 Outstanding Region Award**; Region D chair for the year of programming for this award, Region D includes MEP programs in
- **Making a Difference Award**, KSU Women in Engineering & Science Program, 2006-2008
- **Difference Award for Teaching**, Barton County Community College, Spring 2004
- **Difference Award for Teaching**, Barton County Community College, Spring 2003

Professional Membership

- Co-Chair and founding member, KSU Indigenous Faculty and Staff Alliance
- National Association of Multicultural Engineering Program Advocates (NAMEPA), Region D Chair Elect/Chair, 2009 to 2011; Secretary 2018-2019
 - NAMEPA Region D: UT, AZ, CO, NM, TX, OK, KS, NE, SD, ND
- National Association of Multicultural Engineering Program Advocates (NAMEPA), member, 2005 to present
- NAMEPA Region D, executive committee member, 2006- present
- Mathematics Association of America, member, 1994 to present.
- American Indian Science & Engineering Society, student and professional member, 1987 to present.
- American Society for Engineering Education (ASEE), member, 2008-present