

Robert T. Smith, Ph.D.

EDUCATION AND LEADERSHIP TRAINING

Certificate, Institute for Management and Leadership in Education

Harvard University Graduate School of Education, Cambridge, MA

Certificate, Becoming a Provost Academy, American Association of State

Colleges and Universities and American Academic Leadership Institute

Ph.D., Mathematics, University of Delaware, Newark, DE

M.S., Mathematics, University of Delaware, Newark, DE

B.S., Mathematics, Widener College, Chester, PA

B.A., German, Widener College, Chester, PA

LEADERSHIP POSITIONS

Provost and Vice President for Academic Affairs, July 2017 to present

Valdosta State University, Valdosta, GA

Provost and Vice President for Academic Affairs, June 2015 through June 2017

Armstrong State University, Savannah, GA

(consolidated with Georgia Southern University in 2018)

Dean, School of Science and Mathematics, July 2009 through May 2015

Acting Dean, School of Science and Mathematics, July 2003 through July 2004

Chair, Department of Mathematics, March 1999 through June 2009

Assistant Chair, Department of Mathematics, August 1990 to March 1999

Millersville University of Pennsylvania, Millersville, PA

FACULTY AND RESEARCH APPOINTMENTS

Professor of Mathematics, July 2017 to present

Valdosta State University, Valdosta, GA

Professor of Mathematics, June 2015 to June 2017

Armstrong State University, Savannah, GA

Professor of Mathematics, August 1992 to May 2015

Associate Professor of Mathematics, August 1987 to August 1992

Millersville University of Pennsylvania, Millersville, PA

Assistant Professor of Mathematics, September 1982 to August 1987

Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA

Mathematician, Summer 1983 (Summer Faculty Research appointment)

U.S. Army Ballistic Research Laboratory, Aberdeen Proving Ground, MD

KEY RESPONSIBILITIES / ACCOMPLISHMENTS AT VALDOSTA STATE

- Chief Academic Officer, providing vision, planning and leadership for Division of Academic Affairs
- Oversight of \$65M Academic Affairs budget
- Supervision of 8 deans, two associate provosts and more than 400 full-time faculty
- Promote excellence in teaching and learning, scholarship and service
- Led student success initiatives, increasing first year retention rate by 9% in first two years
- Led campus-wide transformation of academic programs in response to COVID-19 pandemic
- Overhauled scheduling and registration processes to better meet students' needs
- Partnered with Student Success Division to lead enrollment growth initiative
- Developed and implemented a new Academic Affairs Strategic Plan
- Stabilized the Academic Affairs leadership team, hiring permanent deans, department heads and directors, while increasing diversity of leadership
- Led use of data in making academic decisions
- Initiated a new faculty / staff salary study, using as a basis for market adjustments
- Developed a new faculty workload model, in partnership with faculty
- Overhauled faculty search process, speeding up hiring and increasing faculty diversity
- Led curricular development to meet regional needs, adding Doctor of Nursing Practice (DNP), Engineering Technology (BS), Engineering Studies (AS), Health Sciences (BS) programs and a minor in Financial Technology (Fin Tech)
- Partnered in development of the new Online College for Career Advancement, providing revamped online programs targeted at returning adult students
- Concluded a successful SACSCOC site visit (2021), with no findings or recommendations
- Leading the implementation of VSU's new QEP (Quality Enhancement Plan)
- Gained approval for a new Faculty Evaluation Model, working closely with Faculty Senate
- Added new instructional sites
- Implemented Academic Focus Areas for targeted scheduling of exploratory students
- Split the College of Arts and Sciences into a College of Humanities and Social Sciences and a College of Science and Mathematics, without increasing administrative personnel
- Reorganized the Graduate School, leading to significant increases in graduate enrollment
- Developed a new summer scheduling and revenue-sharing model, resulting in four straight years of steep enrollment increases
- Launched the Faculty Success Council
- Established a new Veterans' Resource Center
- Developed a new Center for Excellence in Learning and Teaching

KEY RESPONSIBILITIES / ACCOMPLISHMENTS AT ARMSTRONG STATE

- Chief Academic Officer, providing vision, planning and leadership for Division of Academic Affairs
- Oversight of Academic Affairs Division budgets
- Supervision of four deans, two associate provosts and nearly 300 full-time faculty
- Promote excellence in teaching and learning, scholarship and service
- Responsible for retention, scheduling and other student success initiatives, increasing first year retention rate from 70% to 74% in first year
- Implemented registration reforms, increasing student satisfaction and retention,
- Co-led the development of Armstrong's first Strategic Enrollment Management Plan
- Partnered with Student Affairs Division to facilitate enrollment growth, halting a number of years of decreases

- Developed first Academic Affairs Strategic Plan
- Stabilized Academic Affairs leadership team, hiring permanent deans, department heads and directors
- Increased use of data in making academic decisions
- Implemented EAB's Student Success Collaborative, SSC Campus data analytics, expanded use of Grades First (early warning) and Degree Works (degree audit) software
- Centralized freshman/sophomore academic advising to support retention
- Commissioned new faculty salary study, using as a basis for market adjustments
- Expanded dual-enrollment program, working with area high schools to offer our classes on their campuses
- Restructured faculty search process to increase diversity of faculty hires
- Supported introduction and expansion of Professional Development School model
- Supported curricular development in several key areas, including cyber security, health informatics and a collaborative Doctor of Nursing Practice proposal
- Supported programs for active-duty military, veterans and their dependents
- Supported development of the Center for Applied Cyber Education, winning recognition as a national Center of Excellence in Cyber Security by the NSA and the DHS
- Reorganized summer course offerings, creating a new May-mester and revenue-sharing

KEY RESPONSIBILITIES / ACCOMPLISHMENTS AT MILLERSVILLE UNIVERSITY

- Provided vision, planning, leadership and advocacy for Science and Mathematics
- Responsible for seven departments, plus the Center for Disaster Research and Education, with 1900 students majoring in twenty baccalaureate and four master's programs
- Responsible for hiring, development and evaluation of faculty and staff, with 82 full-time faculty, plus more than forty adjunct and staff positions
- Significantly increased recruitment of STEM majors
- Developed and implemented strategies to increase retention of STEM majors
- Promoted excellence in teaching and learning, scholarship and service
- Oversaw \$10.6M annual budget
- Partnered with University Advancement to facilitate major gifts, funding new endowments
- Negotiated agreements for academic and clinical affiliations and intellectual property with partner universities, medical centers and other entities
- Represented Science and Mathematics to all external constituencies, including state agencies, funding agencies, industry, alumni and donors
- Responsible for space allocation and renovation planning for five academic buildings
- Led outreach activities: the annual Women in Mathematics and Science Conference, the Brossman-Frisbie Science Lectureship and Competition, the Central PA Regional Science Olympiad Competition and the Summer Science Training Program for middle school and high school students
- Led development and implementation of a new strategic plan
- Significantly increased diversity of faculty and students
- Led significant increase in grant-writing activities (NSF, USDOE, NASA, USDOC, PASSHE, US Army, PA DCED, etc.)
- Assumed a leadership role at the Chincoteague Bay Field Station (CBFS) at the Marine Science Consortium, Wallops Island, VA
- Facilitated enrollment growth in nascent online interdisciplinary MS program in Emergency Management
- Facilitated development and implementation of new interdisciplinary MS program in Integrated Scientific Applications

- Doubled enrollments in BSN and MSN Nursing programs, through curricular revisions and partnerships with regional Veterans Administration Medical Center and regional Community College, meeting major community needs
- Developed early admission agreements with partner universities in Osteopathic Medicine, Dentistry and Pharmacy
- Developed 3+2 and 4+2 cooperative engineering agreements with Penn State University
- Developed 3+2 cooperative engineering agreement with the University of Delaware
- Turned around low-enrolled Respiratory Therapy program
- Oversaw re-accreditation of BSN and MSN Nursing programs (NLNAC) and BS Computer Science program (ABET)
- Led science and mathematics education programs to continued Nationally Recognized status (NSTA and NCTM), as part of NCATE re-accreditation
- Assumed responsibility for the MU Center for Disaster Research and Education, revamping its budget and facilitating growth of programs
- Revamped the Software Productization Center, pairing cross-disciplinary teams of faculty and students with local businesses

MAJOR LEADERSHIP / SERVICE ROLES

Valdosta State University / University System of Georgia (USG)

- **President's Cabinet**, 2017 – present
- **Chair, Deans' Council**, 2017 – present
- **Chair, Budget Advisory Council**, 2017 – present
- **Co-Chair, Student Success Council**, 2017 – present
- **Co-Chair, COVID Task Force**, 2020 – present
- **VSU Emergency Operations Committee** – 2017 – present
- **USG Regents' Advisory Committee for Academic Affairs**, 2015 – present
 - **Chair**, 2018 – 2019
- **Mentor, USG Executive Leadership Institute**, 2018 – 2019, 2021 - 2022
- **USG General Education Visioning Task Force** – 2019
- **USG General Education Design Task Force** – 2019 - 2020

American Academic Leadership Institute

- **Mentor, Academy for New Provosts**, 2020 – present
- **New Provost Mentor, Becoming a Provost Academy**, 2019 – 2020
- **Faculty, Becoming a Provost Academy**, 2017

Armstrong State University

- **President's Cabinet**, 2015 – 2017
- **Chair, Deans' Council**, 2015 – 2017
- **Chair, Academic Affairs Council**, 2015 – 2017
- **Co-Chair, Enrollment Management Council**, 2015 – 2017
- **Armstrong / Georgia Southern Consolidation Implementation Committee**, 2017
- **Co-Chair, Consolidation Working Group on Academic Structure**, 2017
- **University Master Plan Committee**, 2016
- **Armstrong State University Foundation Board**, 2015 - 2017

Millersville University of PA

- **PA Innovation Transfer Network (ITN) Advisory Board**, 2009 – 2015
 - **Chair**: 2012 – 2015, **Vice-Chair**: 2009 – 2012
- **PA Transfer Articulation Oversight Committee**, 2010 – 2015
 - Tasked by state legislature with developing statewide program-to-program articulations among all PA community colleges and state universities
- **Special PA State Panel on Mathematics Standards**, 2010
 - Appointed by State Board of Education to develop new PA Mathematics Standards
- **Science and Mathematics School Council**, 1999 – 2015
 - Chair, 2003 – 2004 and 2009 – 2015
- **Deans' Council**, 2003 – 2004, 2009 – 2015
- **President's Advisory Leadership Council**, 2004 – 2015
- **Soar to Greatness Capital Campaign Cabinet** (\$85M Capital Campaign), 2006 – 2012
 - Chair, Employee Campaign Committee, 2007 – 2012
 - Campaign Equipment Endowment Committee, 2007 – 2012
 - Chair, Student-Faculty Research / Faculty Development Committee, 2007 – 2009
- **Chincoteague Bay Field Station at the Marine Science Consortium**, 2009 – 2015
 - Strategic Planning Teams (2009 and 2013)
 - Liaison with NASA Wallops Flight Facility, 2013 – 2015
- **President's Commission for Cultural Diversity and Inclusion**, 2009 – 2015
- **Emergency Response Team**, 2010 – 2015
- **APSCUF (Faculty Union) Meet and Discuss Administrative Team** 2013 – 2015
- **Capital Campaign Planning Committee**, 2003 – 2004

EXTERNAL GRANTS FUNDED

1. **Co-Principal Investigator**, National Science Foundation Robert Noyce Scholarship grant awarded for **\$1,200,000**, to fund a program for preparing secondary mathematics teachers for high need school districts, 2011 – 2016.
2. **Principal Investigator**, PA State System of Higher Education (PASSHE) grant funded for **\$135,000** to support training of emergency certified science teachers, 2010 – 2015.
3. **Co-Principal Investigator**, National Science Foundation S-STEM (Scholarships for Science, Technology, Engineering and Mathematics) grant awarded for **\$585,000**, to provide scholarships for financially underprivileged mathematics and science majors, 2008 – 2015.
4. **Principal Investigator**, National Science Foundation CSEMS (Computer Science, Engineering and Mathematics Scholarships) grant funded for **\$347,000**, to provide scholarships for financially underprivileged mathematics and computer science majors, 2001 – 2008.
5. **Principal Investigator**, PASSHE (PA State System of Higher Education) Social Equity grant, funded for **\$7,500**, to continue project for improving the performance of students in developmental mathematics through supplemental instruction, 2007 – 2008.
6. **Principal Investigator**, PASSHE Social Equity grant, funded for **\$7,500**, to continue project for improving the performance of students in developmental mathematics through supplemental instruction, 2006 – 2007.

7. **Principal Investigator**, PASSHE Social Equity grant, funded for **\$12,500**, to improve the performance of underrepresented students in developmental mathematics through supplemental instruction, 2005 – 2006.
8. **Principal Investigator**, PASSHE Social Equity grant, funded for **\$11,750**, to provide funding for Summer Science Training Program, to provide scholarships for underrepresented students, 2004.

TEXTBOOKS PUBLISHED

1. **Calculus, Fourth Edition**, Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 1109 pages, 2012. (Korean translation: 2013.)
2. **Calculus, Early Transcendental Functions, Fourth Edition**, Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 1117 pages, 2012.
3. **Calculus, Third Edition** (published in three volumes: Single Variable, Multi-Variable and Combined), Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 1253 pages, 2008.
4. **Calculus, Early Transcendental Functions, Third Edition** (published in three volumes: Single Variable, Multi-Variable and Combined), Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 1261 pages, 2007. (Korean translation: 2012.)
5. **Calculus, Concepts and Connections**, Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 1104 pages, 2006.
6. **Calculus, Second Edition** (published in three volumes: Single Variable, Multi-Variable and Combined), Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 1271 pages, 2002. (Chinese translation: 2006; Korean translation: 2004; Spanish translation: 2003.)
7. **Calculus, Premiere Edition**, Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 1115 pages, 2000. (Spanish translation: 2001.)
8. **Discovering Calculus with the Casio fx-7700 and the Casio fx-8700**, Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 261 pages, 1994.
9. **Discovering Calculus with the TI-81 and the TI-85**, Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 271 pages, 1993.
10. **Discovering Calculus with the HP-28 and the HP-48**, Robert T. Smith and Roland B. Minton, McGraw-Hill, New York, 277 pages, 1992.

PEER-REVIEWED PAPERS PUBLISHED

1. *Reconstruction of Tomographic Images from Sparse Data Sets by a New Finite Element Maximum Entropy Approach*, R.T. Smith, C.K. Zoltani, G.J. Klem and M.W. Coleman, **Applied Optics**, **30**, 1991, pp. 573-582.

2. *A New Sparse Data Tomographic Image Reconstruction Algorithm*, C.K. Zoltani, R.T. Smith and G.J. Klem, **Advances in Remote Sensing Retrieval Methods**, A. Deepak, et al, eds., Deepak Publishing, Hampton, Virginia, 1989, pp. 179-186.
3. *A Hilbert Space Approach to Maximum Entropy Reconstruction*, M. Klaus and R.T. Smith, **Mathematical Methods in the Applied Sciences**, **10**, 1988, pp. 397-406.
4. *An Application of the Finite Element Method to Maximum Entropy Tomographic Image Reconstruction*, R.T. Smith and C.K. Zoltani, **Journal of Scientific Computing**, **3**, 1987, pp. 283-295.
5. *Stable Methods for an Inverse Problem in Acoustic Scattering by an Obstacle and an Inhomogeneous Medium*, R.T. Smith, **Mathematical Methods in the Applied Sciences**, **7**, 1985, pp. 385-415.
6. *An Inverse Acoustic Scattering Problem for an Obstacle with an Impedance Boundary Condition*, R.T. Smith, **Journal of Mathematical Analysis and Applications**, **105**, 1985, pp. 333-356.
7. *A Stable Method for an Inverse Problem in Acoustic Scattering by an Obstacle with an Impedance Boundary Condition*, R.T. Smith, **Proceedings of the Royal Society of Edinburgh**, **98A**, 1984, pp. 355-364.

EXTERNAL RESEARCH FUNDING

1. **Principal Investigator**, *Reconstruction of Tomographic Images from Sparse Data using Finite Element Techniques*, U.S. Army Ballistic Research Laboratory, Aberdeen Proving Ground, Maryland, through Battelle Columbus Laboratories, Columbus, Ohio, December 1984 through November 1985.
2. **Principal Investigator**, *Reconstruction of Three Dimensional Tomographic Images from Sparse Data*, U.S. Army Ballistic Research Laboratory, Aberdeen Proving Ground, Maryland, through Battelle Columbus Laboratories, Columbus, Ohio, January 1984 through September 1984.

HONORS AND AWARDS

- 2021 LGBTQ+ Ally Award
Student Diversity and Inclusion
Valdosta State University
- 2016 Phi Kappa Phi (National Honor Society)
- 2015 Named Dean of Science and Mathematics Emeritus
Millersville University of Pennsylvania
- 1989 Teaching Fellow, 1st Summer Academy for the Advancement of College Teaching
Pennsylvania State System of Higher Education
- 1987 Nominated for University Certificate of Teaching Excellence
Virginia Polytechnic Institute and State University (Virginia Tech)

- 1982 Nominated for University Excellence-in-Teaching Award, University of Delaware
- 1980 1st Annual Baxter-Sloyer Excellence-in-Teaching Award
Department of Mathematical Sciences, University of Delaware
- 1977 Pi Mu Epsilon (National Mathematics Honor Society)

Languages: English (native), German (conversational), Spanish (basic), Italian (elementary)

PROFESSIONAL AFFILIATIONS

Council on Undergraduate Research (2009 to present)
Council of Colleges of Arts and Sciences (2009 to 2015)
Society for Industrial and Applied Mathematics (1979 to present)
American Mathematical Society (1977 to present)
Mathematical Association of America (1976 to present)

OTHER PROFESSIONAL ACTIVITIES

1. Content Expert, *Meauxmentum* Louisiana Higher Education Summit, Baton Rouge, LA, February 2023
2. Reviewer for the **Journal of Computational and Applied Mathematics**
3. Reviewer for McGraw-Hill Publishing Company
4. Consultant, Glencoe/McGraw-Hill for revision of **Advanced Mathematical Concepts**
5. Consultant, U.S. Army Ballistic Research Laboratory, Aberdeen Proving Ground, MD
6. Curricular Consultant, Harrisburg University of Science and Technology
7. Reviewer for PWS/Kent Publishing Company
8. Reviewer for Worth Publishing Company
9. Reviewer for Saunders Publishing Company