

Jaime R. Taylor, Ph.D.

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### ACADEMIC DEGREES

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Ph.D. in Engineering Science, 1995.  
University of Tennessee Space Institute, Tullahoma, TN

M.S. in Engineering Science, 1991.  
University of Tennessee Space Institute, Tullahoma, TN

B.S. in Physics and Mathematics; Minor: Chemistry 1990.  
Austin Peay State University, Clarksville, TN

A.A.S. in Industrial Engineering Technology, 1986.  
Nashville State Technical Institute, Nashville, TN

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### PROVOST APPOINTMENTS

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Provost and Senior Vice President for Academic Affairs, 2018-Present  
Marshall University, Huntington, WV

The role of provost and senior vice president for academic affairs at Marshall University encompasses a large majority of university operations. The vice president for research, the vice president for student and intercultural affairs, the associate provost, three associate vice presidents, nine academic deans, the dean of admissions and enrollment services, and the new Division of Aviation all report directly to the provost. Thus, Academic Affairs manages 564 full-time faculty and 370 staff/administrators that report up through the provost's office. The provost is responsible for \$97.5M in academic expenditures and slightly over \$50M in research expenditures.

Implemented a program we titled A Friend at Marshall (FAM) in my second year that increased freshman Fall to Fall retention 5.0%.

Developed and implemented a plan that increased the six-year graduation rate from 46% to 49% in my first year. The success of this project resulted in an individual donating \$800,000 to support further student success initiatives. The six-year graduation rate increased to 51% for Fall 2020 (during the COVID19 pandemic), the first time Marshall University has had a six-year graduation rate that exceeds 50%.

Created the vision and led the development of completely integrating the divisions of Student Affairs, Intercultural Affairs and International Student Programs. This seamless system significantly increased overall student success outcomes, gave rise to new avenues for diversity based programs and resulted in the creation of a new Intercultural Center on campus.



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## ADMINISTRATIVE AND ACADEMIC APPOINTMENTS

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Dean, College of Science, Technology, Engineering, and Mathematics, 2015-2018  
Austin Peay State University, Clarksville, TN

Spearheaded the effort to add multiple new degree programs at both the undergraduate and graduate level including APSU's first engineering program, a bachelor degree in veterinary technology, and bachelor and master degrees in cybersecurity.

Nearly doubled the number of high achieving students (those with a 26 or higher on the ACT) entering the college from Fall of 2012 to Fall of 2016.

More than doubled the number of graduates in four departments within college, and quadrupled number of graduates in two departments; increased number of computer science graduates from 17 in 2009-2010 to 88 graduates in 2016-17. This was accomplished through improved recruitment efforts and student success initiatives to improve the graduation rate in these programs.

Obtained THEC and TBR approval for a Chemical Engineering Technology (ChET) program, assisted in obtaining \$6.4 million in special appropriations from the State of Tennessee for a ChET facility, \$2 million from Hemlock Semiconductor for laboratory equipment, and \$200,000 in federal funding for an instructor and industrial software. Achieved our goal of graduating over 90 ChET students in the first year's graduating class.

Co-Director of the Governor's School for Computational Physics , 2013-2017  
Director of the Governor's School for Computational Physics , 2008-2013  
Austin Peay State University, Clarksville, TN

Worked with regional State Representatives to help APSU secure funding for its first Governor's School.

Team taught for five weeks each summer with the Chair of the Department of Physics.

Chair, Department of Physics and Astronomy , 2000-2008  
Austin Peay State University, Clarksville, TN

Increased the number of physics majors from 8 to over 50 in three years, resulting in APSU having the largest undergraduate physics program in the State of Tennessee.

Increased the number of physics graduates from one in 2000-2001 to fifteen in 2008-2009.

Developed a culture where all physics majors participated in research, with nearly all being accepted to at least one REU program prior to graduation.

Professor of Physics , 2002-2018  
Austin Peay State University, Clarksville, TN

Taught several specialized courses, such as Image Processing, to improve the physics graduates' success rate in graduate school.

Used clickers in conceptual physics class to improve Peer Instruction method.

Associate Professor of Physics , 1999-2002  
Austin Peay State University, Clarksville, TN

Developed a 3+2 Dual Degree Program in physics and engineering with the University of Tennessee at Knoxville.

Assistant Professor of Physics , 1996-1998  
Austin Peay State University, Clarksville, TN

Spearheaded the move to a new applied physics major with several options.

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## RESEARCH APPOINTMENTS

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NASA Faculty Fellow , Summer 2001 and 2002  
NASA's Marshall Space Flight Center, Huntsville, AL

Applied a genetic algorithm code to solve Phase Retrieval problem.

Developed a code to model the static and dynamic behavior of tensegrity structures.

Research Sabbatical , Spring 1999  
U.S. Army Aviation and Missile Command Redstone Arsenal, Huntsville, AL

Worked with the inventor of Pulsed Coupled Neural Networks (PCNN) on military and space based PCNN applications.