

Mark E. Arant, PhD

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Professional Experience

Northeastern State University, Tahlequah, OK
Provost and Vice President for Academic Affairs
Professor of Chemistry
July 2014 to present

Achievements

- Led the maintenance of NSU's accreditation with the Higher Learning Commission by development of the Quality Initiative and the Assurance document as part of the Open Pathway.
- Established the Office of Transfer, Testing, and Advising while revising the advising model
- Initiated reforms in recruiting, promotion, and tenure
- Led academic reform efforts
- Accepted to the Higher Learning Commission's Peer Review Corps
- Served on the Oklahoma State Regents for Higher Education's taskforce for corequisite scaling of concurrent developmental education
- Led the strategic plan development for Academic Affairs
- Established the Office of Institutional Effectiveness
- Established new agreements with Chinese universities for exchange programs
- Established new concurrent enrollment initiatives with area high schools
- Laid the foundation for a new school of Visual and Performing Arts
- Established new transfer programs with area community colleges
- Presentations
 - Ellis, G. and Arant, M. *Ensuring Student Success: Standards, Supports, and Strategies*. Establishing a concurrent enrollment agreement at Coweta High School. Concurrent Enrollment Partnerships: A Bridge to College Completion Conference, Tulsa University, OK November 2015.
 - Jackson, T. and Arant, M. *Successful Persistence Efforts at Northeastern State University*, AASCU Annual National Winter Meeting, Austin, TX February 2016

Responsibilities

- Oversee the academic integrity of Northeastern State University
 - Establish policies and protocols for Academic Affairs
 - Represent the President when needed
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- Serve on the Council of Instruction for the State of Oklahoma and its subcommittees
 - Serve on the Chief Academic Officers Council for the Regional Universities of Oklahoma
 - Mentor the college deans and department chairs in administration and advancement
 - Collaborate with fellow cabinet members on the direction and policies of the University
 - Recruit and retain faculty, staff, administrators, and students
 - Pursue new academic and business relationships for the University
 - Oversee the Academic Affairs Office staff and all direct reports constituting Academic Affairs including:
 - the Associate Vice President for Academic Affairs
 - the Assistant Vice President for Academic Affairs
 - the academic deans (including the Graduate College and the Oklahoma College of Optometry)
 - the campus deans
 - the Registrar (including Veteran's Affairs)
 - International Programs
 - the Center for Tribal Studies
 - the Center for Teaching and Learning
 - the NSU Libraries
 - the College of Extended Learning
 - the Office of Research and Sponsored Programs
 - the Honors Program
 - the Office of Institutional Effectiveness

University of Arkansas – Fort Smith, Fort Smith, AR

Dean, College of Science, Technology, Engineering, and Mathematics (STEM)

July 2008 – June 2014

Interim Dean, College of Education

July 2013 – June 2014

Professor of Chemistry

Achievements

- Founded the STEM College
 - Established the STEM College's Advancement Council
 - Established the STEM College's Strategic, Advancement, Marketing, Recruiting, and Master plans
 - Established a new faculty advising model in the College
 - Introduced new curricula in Geology, Physics, Biochemistry Cybersecurity, Statistics
 - Initiated new College faculty evaluation and promotion models
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- Initiated a pre-medical advisory committee
- Restructured the Science Department into the Departments of Biological Sciences and Physical Sciences
- Created research and new teaching laboratory space for the Math/Science Building
- Converted the Department of Information Technology to the Department of Computer and Information Sciences
- Established an Endowed Professorship in Engineering
- Raised over \$1M in external funding and equipment for the College
- Presided over a distance program (ADTEC) where the BS in Information Technology is offered to community colleges in Eastern Arkansas that grew from 2 in 2008 to 30 students currently.
- Presided over growth in the STEM College that saw increases in graduation rates (100%), new majors (38%), student credit hour production (15%), faculty (8%), and scholarly production (50%) since 2008.
- Presided over a collaborative Engineering degree with the University of Arkansas, Fayetteville
- Presided over an increase in scholarship (grants, presentation, and publications) of over 200%
- Initiated international and national studies courses in the College
 - Belize
 - Trinidad/Tobago
 - Italy
 - Ocean Springs, Mississippi
 - Owens Canyon, California
- Hired over 25 new faculty (most replacements)
- Assisted in the acquisition of honors society chapters
 - Tri-Beta
 - Alpha Lambda Delta
- Reorganized the College of Education (pending)
- Oversaw Education curriculum revisions
 - Elementary (K-6)
 - Middle-level (4-8)
 - Education minor (Secondary, Pending)
 - Masters in Education (Curriculum and Instruction, Planned)
 - Masters of Arts in Teaching (Planned)

Responsibilities

- Strategic planning
 - Budget oversight
 - Faculty and department chair recruiting, hiring, retention, mentorship, and review
 - Staff recruiting, hiring, retention, and review
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- Curricular oversight
- General Education oversight
- Facilities oversight
- Development management and recruitment

University Service

- Chaired reform of the University's advising model
- Assisted in formulating the Academic Alert system for the Campus
- Served steering committee member for the NSF funded project entitled *College Ready* in cooperation with the University of Arkansas, Fayetteville
- Served on the UA – Fort Smith strategic planning committee (Advancement subcommittee and Dean's Council)
- Served as a member of the Teacher Education Council sponsored by the College of Education
- Served on the University's International Studies Committee
- Served on the Arkansas STEM Coalition
- Served on the Arkansas PARCC Initiative
- Served on search committees:
 - Physical Plant Director
 - Budget Officer
 - Institutional Effectiveness Officer (chaired)

Community Service

- River Valley Botanical Gardens Committee
- Sparks Hospital Institutional Review Board (alternate)
- Mercy Hospital Board
- Fort Smith Public Schools Education Taskforce

Professional Development

- Completed the Council on Colleges of Arts and Sciences New Deans program, Denver, 2009
- Completed the Management and Leadership in Education Program presented by the Graduate School of Education at Harvard University, Boston, 2010
- Chaired panel discussions and case studies at the national conference of the Council on College of Arts and Sciences, Montreal, 2011
- Completed the Leadership Fort Smith program, 2013

University of Louisiana at Monroe, Monroe, LA
Associate Dean, College of Arts and Sciences
July 2007 – July 2008

Achievements

- Who's Who Among America's Teachers, 10th ed, 2007
- Phi Kappa Phi induction, 2007
- Served on the ULM Strategic Planning Committee
- Served as chair of the ULM Calendar Committee

Responsibilities

- ULM Graduate Council representative
- Strategic planning
- Budget oversight
- Staff oversight
- Student appeals
- Course scheduling oversight
- Facilities oversight
- College advising oversight

University of Louisiana at Monroe, Monroe, LA
Interim Dean, College of Arts and Sciences
July 2006 – July 2007

Achievements

- Alpha Lambda Delta Favorite Professor, 2006
- ULM Student Government Association Faculty Award of Excellence, 2006
- Who's Who Among America's Teachers, 9th ed, 2006.
- Established a "College celebration" bringing top high school students and their teachers on campus to meet with faculty
- Established a new advising model for the College
- Established a new faculty evaluation system for the College
- Served on the ULM Strategic Planning Committee
- Served as chair of the ULM Calendar Committee

Responsibilities

- Strategic planning (17 programs, 23 degrees, 250 faculty)
- Budget oversight
- Faculty and department chair recruiting, hiring, retention, and review
- Staff recruiting, hiring, retention, and review
- Curricular oversight
- Member of the Provost's Council
- General Education oversight
- Facilities oversight
- Development management and recruitment

University of Louisiana at Monroe, Monroe, LA

**Associate Dean, College of Arts and Sciences
July 2004 – July 2006**

Achievements

- Grants:
 - NSF Acquisition of X-ray Diffraction Instrumentation--\$273,418 (Senior Personnel), 2006
 - LA Health TEACH BOR Award--\$100,000, 2006 (Co-author)
 - Howard Hughes Undergraduate Research Award--\$500.00, 2005
- Publications:
 - Sawant, S.; Youssef, D.; Mayer, A.; Sylvester, P.; Wali, V.; Arant, M.; El Sayed, K. *Anticancer and Anti-inflammatory Sulfur-Containing Semisynthetic Derivatives of Sarcophine*. Chem. Pharm. Bull. (2006), 54(8), 1119-1123.
- Abstracts:
 - Beezly, L.; Arant M. 5th Annual Research Symposium, Monroe LA, Apr., 2005, University of Louisiana at Monroe, Monroe, LA.
- Presentations:
 - Beezley, L.; Arant M. *Environmentally Benign Suzuki Coupling* 2005 Student Research Symposium University of Louisiana at Monroe (Received 1st place award, Undergraduate)
 - Arant, M.; Berry, R.; Corder, J.; Thomas, L. *Post Tenure Review*, University of Louisiana-Monroe, Monroe, LA January, 2005.
 - Arant, M. *Designing the Learning Experience*, University of Louisiana-Monroe, Monroe, LA, September, 2004.
- Designed a merit pay plan for the College
- Alpha Lambda Delta Favorite Professor, 2006
- ULM Student Government Association Faculty Award of Excellence, 2006
- Who's Who Among America's Teachers, 9th ed, 2006.

Responsibilities

- ULM Graduate Council representative
- Strategic planning
- Budget oversight
- Staff oversight
- Student appeals
- Facilities oversight
- College advising oversight

**University of Louisiana at Monroe, Monroe, LA
Assistant/Associate Professor of Chemistry
August 1994 – July 2004**

Achievements

- Grants:
 - Howard Hughes Undergraduate Research Award--\$500.00, 2004
 - Howard Hughes Undergraduate Research Award--\$500.00, 2003
 - Howard Hughes Undergraduate Research Award (3)—\$1,500.00, 2002
 - ULM STAP for Software—\$4,720.00, 2001
 - Howard Hughes Undergraduate Research Award—\$500.00, 2001
 - Howard Hughes Undergraduate Research Award—\$1,000.00, 2000
 - BoRSF Traditional Enhancement—\$227,808.00, 2000
 - ULM STAP for NMR—\$30,000.00, 2000
 - ULM Foundation Faculty Development Grant—\$8,500.00, 1999
 - ULM Foundation Faculty Development Grant—\$3,000.00, 1999
 - LEQSF Educational Enhancement—\$144,000.00, 1996
 - ULM Teaching and Learning Center Grant—\$2935.00, 1996
 - ULM Teaching and Learning Center Grant—\$3955.00, 1995
 - ULM Research Council Grant—\$3717.00, 1994
- Publications
 - Caine, Drury S.; Arant, Mark E.. Further enolate alkylation studies of 2,5-dimethyl-3(2H)-furanone. *Synlett* (2004), (12), 2081-6.
 - Caine, Drury; Arant, Mark E.. The synthesis of 11-oxabicyclo[6.2.1]undecenone derivatives. *Tetrahedron Letters* (1994), 35(37), 6795-8.
 - Roberts, Donald D.; Arant, Mark E.. Solvolysis Reactions: Relative Abilities of Cyclopentyl/Phenyl Groups To Stabilize an Electron-Deficient Carbon. *Journal of Organic Chemistry* (1994), 59(21), 6464-9.
- Abstracts
 - Saleh, M.; Arant M. 4th Annual Research Symposium, Monroe LA, Apr., 2004, University of Louisiana at Monroe, Monroe, LA.
 - Rughani, R.; Arant, M. 3rd Annual Student Research Symposium, Monroe, LA, Apr., 2003, University of Louisiana at Monroe: Monroe, LA, 4.
 - Gupta, J.; Arant, M. 2nd Annual Student Research Symposium, Monroe, LA, Apr., 2002, University of Louisiana at Monroe: Monroe, LA, 57
 - Rughani, R.; Arant, M. 2nd Annual Student Research Symposium, Monroe, LA, Apr., 2002, University of Louisiana at Monroe: Monroe, LA, 62
 - Williams, M.; Arant, M. 2nd Annual Student Research Symposium, Monroe, LA, Apr., 2002, University of Louisiana at Monroe: Monroe, LA, 69
 - Rughani, R.; Arant, M. Louisiana Academy of Sciences Meeting, Baton Rouge, LA, Feb., 2002, Louisiana State University: Baton Rouge, LA
- Presentations
 - Harish S. Parihar, Karen S. Kirschbaum, Mark E. Arant, and Ronald A. Hill* *SYNTHETIC ROUTES FOR d-TUBOCURARINE FRAGMENT MOLECULES, PROBES OF THE 5-HT₃R AND nAChR*. Poster presented at the Fourth Annual ULM Student Research Symposium, April 28, 2004.
 - Saleh, M. and Arant, M. *Addition vs. Substitution: A Study in Sterics* 2004

- Student Research Symposium University of Louisiana at Monroe
(Received 2nd place award, Undergraduate)
- Williams, M. and Arant, M. *Preparation and Analysis of Naphtho[r,s,t]pentaphene Derivatives* 2002 Student Research Symposium University of Louisiana at Monroe (Received 1st place award, Undergraduate)
 - Rughani, R. and Arant, M. *Chemical Behavior of Substituted Anthracenes* 2002 Student Research Symposium University of Louisiana at Monroe (Received 1st place award, Graduate)
 - Gupta, J. and Arant, M. *Synthetic Approaches Toward Hortein* 2002 Student Research Symposium University of Louisiana at Monroe (Received 3rd place award, Graduate)
 - Rughani, R. and Arant, M. *Syntheses and Reactivity Studies of Di- and Tetra-substituted Anthracenes* 2002 Louisiana Academy of Sciences Meeting. Louisiana State University
 - Arant, M. and Smith, S. *Exploration of Enolate Diels-Alder reactions with Arynes* 2001 Student Research Symposium. University of Louisiana at Monroe
 - Arant, M. and Fenoli, C. *Preparations and Analyses of Naphtho[r,s,t]pentahene Derivatives* 2001 Student Research Symposium. University of Louisiana at Monroe
 - Harish S. Parihar, Karen S. Kirschbaum, Mark E. Arant, and Ronald A. Hill *General Synthetic Route for Preparation of d-Tubocurarine Fragment Molecules: Probing the 5-HT₃R and nAChR*. Platform presentation, MALTO Medicinal Chemistry Meeting, Memphis, TN, May 17, 2004.
 - Arant, M. *Stressed and Fused Anthracenes*, University of Mississippi, Oxford, MS, 2003
 - Arant, M. *An Aromatic Bouquet*, Northwestern State Louisiana University, Natchitoches, LA, 2003
 - Arant, M. *Synthetic Studies toward Heliangolide Sesquiterpines*, 2000. Louisiana Tech University, Ruston, LA
- Graduate Students
 - Ronak Rughani—*Syntheses and Chemical Studies of Substituted Anthracenes*-2003
 - Jasmine Gupta—*Synthetic Approaches Toward Hortein*-2002
 - Zhixin Wen— *Studies toward Synthesis of Naphtho[1,2,3,4-rst]-pentaphene and its derivatives*-2000
 - Xin He—*Studies toward the Syntheses of Tribenzo[a,i,l]pyrene, 5,8-Dimethyltribenzo[a,i,l]pyrene and 5-Methyltribenzo[a,i,l]pyrene*-1998
 - YanWen Fu—*Studies and Synthesis of 9,10-Epoxy-trans-7,8-dihydroxy-7,8-dihydro-1-methylbenzo[a]pyrene*-1997
 - Xin Lin—Co-Advisor for Adjunct Faculty-1995
 - Graduate Committees
 - Mr. Satyavijayan Danthi, Medicinal Chemistry, Ph.D.-Dr. Ron Hill, Director

- Mr. Bing Tong, M.S.-Dr. Richard Norman, Director
- Mr. Zhong He, M.S.-Dr. David Dawson, Director
- Ms. Chamica Wansapura. M.S.-Dr. Stephen Fox, Director
- Mr. Reddy Chilakuri. M.S.-Dr. Jeff Taylor, Director
- Ms. Mihiri DeZoysa. M.S.-Dr. Richard Norman, Director
- Ms. Ning Li, M.S.-Dr. Thomas Junk, Director
- Ms. Prabodhika Mallikaratchy, M.S.-Dr. Thomas Junk, Director
- Mr. Harish Parihar, Medicinal Chemistry, Ph.D.-Dr. Ron Hill, Director
- Ms. Xiaojun Cai, M.S.-Dr. Thomas Junk Director
- Ms. Swapnail Sawant, Ph.D.-Dr. Kahlid El-sayed, Director
- Professional Societies
 - American Chemical Society
 - Sigma Xi
 - Phi Kappa Phi
- Awards and Honors
 - Who's Who Among America's Teachers, 8th ed., 2004
 - ULM Outstanding Professor, College of Arts and Sciences, 2004-2005
 - Phi Mu Professor of the Month, November 2003
 - Mortar Board Junior Advisor, 2003-2004
 - Delta Zeta Chapter of Kappa Delta, Professor of the Week, 2003
 - Mortar Board Sophomore Advisor, 2002-2003
 - Who's Who Among America's Teachers, 7th ed., 2002
 - Alpha Lambda Delta Favorite Professor, 2002
 - Alpha Lambda Delta Favorite Professor, 2001
 - Tom and Mame Scott Endowed Professorship for Teaching Excellence, Nominee, 1999
 - Beta Delta Chapter of Lambda Tau Honorary Member, 1996
 - Pan-Hellenic, Interfraternity, and Panhellenic Council Outstanding Faculty Nominee, 1994

Responsibilities

- Courses taught:
 - General Organic Chemistry Lecture (Junior Level)
 - General Organic Chemistry Lab (Junior Level)
 - Advanced Organic Chemistry Lab (Senior Level)
 - Intermediate Organic Chemistry Lecture (Senior Level)
 - Advanced Organic Chemistry Lecture (Senior Level)
 - Organic Synthesis (Graduate Level)
 - Organic Spectroscopy (Graduate Level)
 - General Chemistry Laboratory (Freshman Level)
- Committee Service:
 - ULM Presidential Executive Advisory Committee—2003-2004
 - ULM Strategic Planning Steering Committee—2003-2008
 - ULM Executive Enrollment Management Council—2002-2008

- College of Arts and Sciences Curriculum Committee, Founding Chair—2002-2004
- University of Louisiana at Monroe Curriculum Committee—1997-2000
- College of Pure and Applied Sciences Curriculum Committee—1996-2001
- Departmental Organic Committee, Chair—1994-2004
- Departmental Curriculum Committee, Chair—1994-2004
- Totally restructured the Organic Chemistry Division
- Established Chemistry Reading Room for Chemistry Department
- Brought in research instrumentation (NMR and FT-IR)

Other Honors of Note

- Cieba-Giegy Outstanding Graduate Student Nominee, University of Alabama, 1993
- Outstanding Senior Chemistry Major, Louisiana Tech University, 1990

Education

AASCU Becoming a Provost Academy
May 2015

Harvard University, Cambridge, MA
Institute for Management and Leadership in Higher Education
June 2010

University of Alabama, Tuscaloosa, AL
PhD (Organic Chemistry)
Major Professor: Dr. Drury S. Caine
Dissertation Title: Synthesis of Potential Precursors of the Heliangolide Sesquiterpenes
August 1994

Louisiana Tech University, Ruston, LA
BS (Chemistry)
August 1990
