**Paul Francis Brandt**

Department of Chemistry

North Central College

30 N. Brainard St

Naperville, IL 60540

pfbrandt@noctrl.edu

**EDUCATION**

**University of Illinois**

Postdoctoral Assistant, *1990-92, summer 1996*

Advisor: Professor Thomas B. Rauchfuss

Studies: Organometallic Polymers

**University of Colorado at Boulder**

Ph.D., Inorganic Chemistry, *1990*

Thesis Advisor: Professor Arlan D. Norman

Thesis Title: Functional Polyphosphines; Their Syntheses and Characterization

**Southwest State University**

B.S., Chemistry, *1984*

Minor, Mathematics

**University of Minnesota**

Major, Animal Science, *1980-81*

**HONORS**

**Finalist** for the **College of Arts and Sciences Teaching Award** (*1997*) - WCU

**John S. Meek Award** forteaching excellence in Organic Chemistry (*1987*) - CU

**General Chemistry Teaching Assistant Award** (*1985*) - CU

**American Institute of Chemists Senior Award**(*1984*) - SSU

**Celebrate Southwest Recognition Award** for outstanding contributions to SSU (*1984*) – SSU

**EXPERIENCE**

**North Central College**

**Division Chair**, Science Division, *2015 - 2016*

**Department Chair**, Department of Chemistry and Physics, *2010 – 2015, 2020 - present*

**Professor**, *2011-present*

**Associate Professor**, *2001 – 2010*

## Western Carolina University

**Department Chair**, Department of Chemistry and Physics, *1998 - 2000*

**Associate Professor**, *1998 - 2001*

**Assistant Professor**, *1992 - 1998*

**University of Illinois**

**Postdoctoral Research Assistant**, 1990-92, summer 1996. Synthesis of novel polymetallocenyl compounds. Fe(C5H4)2S3 yields high molecular weight polymers via sulfur abstraction.

**Lake Forest College**

**Instructor of Chemistry**, taught General, Environmental, and Inorganic Chemistry courses, *1989-90*.

**Brandt vitae**

**University of Colorado-Boulder**

**Graduate Research Assistant**, *1985-90*. Synthesized novel organophosphorus compounds, utilizing the Me3Si- moiety as a protecting group for P-H functionality. Group VI metal coordination in templated radical cyclization reactions was achieved.

**Graduate Teaching Assistant**, taught General (*1984-85*) and Organic Chemistry (*1985-87*) labs.

**University of North Dakota**

**Student Research Participant**, Associated Western Universities - University of North Dakota Energy Research Center, *1983*. Conducted methods for elemental analysis of coal liquefaction products.

**PROFESSIONAL ORGANIZATIONS**

American Chemical Society - member (*1982-present*)

Student Members of the American Chemical Society - Faculty Advisor (*1994-2001, 2002-2016*)

Council on Undergraduate Research (*2010-present*)

American Association of College Teachers – (*2015 – present*)

Sigma Xi - member (*1998-2001*), President WCU chapter (*1998-99*), Treasurer WCU chapter (*2000-01*)

**GRANTS (Funded unless otherwise stated)**

Year Title (status or role) Agency Amount

2020 Pittsburg Conference-HPLC PittCon 10,000

2018 Project Smile (participant) ISBE 250,000

2017 Project Smile (participant) ISBE 250,000

2016 Summer Research (withdrawn by PB) NCC 3500

2014 Computer Technology NCC 400

2014 Summer Research NCC 9500

2012 Summer Research (not funded) Air Force 20,400

2012 Summer Research NCC 9000

2011 Chemistry Education Grant (PI) Tellabs 47,784

2011 Summer Research (withdrawn by PB) NCC 9000

2010 Summer Research NCC 7500

2009 ACI’s Science and Math Learning Collaborative (participant) IBHE 311,675

Summer Research NCC 7440

2008 ACI’s Science and Math Learning Collaborative (participant) IBHE 311,675

Summer Research NCC 9500

2007 ACI’s Science and Math Learning Collaborative (participant) IBHE 325,000

Summer Research NCC 5900

2006 Summer Research NCC 5500

2005 Creative Workshops for K-12 Science Educators (Co-PI) Dreyfus 19,100

Summer Research NCC 3500

2004 Summer Research NCC 5500

2003 Summer Research NCC 4000

2002 Junior Faculty Enhancement Grant NCC 6 credit hours

Summer Research NCC 4000

1999 Sparky Introchem: A Student-Oriented Intro Chemistry Course (Co-PI) NSF-CCLI 98,591

1997 WCU Faculty Summer Research Grant WCU 5,000

Using FT-NMR in an Environmental Curriculum (Co-PI) NSF-ILI 90,185

1996 Using FT-NMR in the Revision of the Undergraduate Curriculum (Co-PI) Glaxo 50,000

1995 CURI Short Course Microgrant WCU 1,023

1994 Synthesis of Ferrocene-Phosphorus Polymers (PI) ACS-PRF(G) 20,000

**Brandt vitae**

**NCC UNDERGRADUATE RESEARCH STIPEND RECIPIENTS**

1. Elizabeth Masko 2003 Jeffrey Noga 2004 Stephen Meaney

Sanda Vujnic David Rapp Sheri Starks

Arvind Gururajan

2006 Britney Hyler 2007 Jesse Carey 2008 Marlon Brown

Jessica March Kara Conrady (Koten) Jesse Carey

Kathleen Dettman

2009 Marlon Brown 2010 Marlon Brown 2012 Raymond Koenig (Koten)

Jesse Carey Cassandra Schneider Sarah Scurto

Justin Spencer Michael Scheltoff

2013 Chelsea Sullivan 2014 Eva Allen 2015 Mirachelle Anselmo

Mirachelle Anselmo

2016 Nathan 2019 Stephanie Garcia

**PUBLICATIONS**

Brandt, Paul F. “Developing Curiosity with Science Demonstrations”, *Success High-Need Schools J*. **2019**, *15*, 29.

Butcher, David J., Brandt, Paul F., Norgaard, Nicholas J., Atterholt, Cynthia A., Salido, Arthur L. “Sparky Introchem: A Student-Oriented Introductory Chemistry Course”, *J. Chem. Ed.* **2003**, *80*, 137.

Brandt, P.F. "Formation of the Selenium-, Tellurium- and Polonium- Transition and Inner Transition Metal Bond", In *Inorganic Reactions and Methods,* A. D. Norman, Ed. VCH: New York, **1998**; Vol. 6, p 1.

Brandt, P.F., Rauchfuss, T.B. "Formation of the Group VIB (O, S, Se, Te, Po) - Group IB (Cu, Ag, Au) or IIB (Zn, Cd, Hg) Metal Bond From Sulfur Containing Anions (S2-, Sx2-, [HS-], [RS]-)", In *Inorganic Reactions and Methods*, A. D. Norman, Ed. VCH: New York, **1998**; Vol. 6.

Brandt, P.F.; Compton, D.L.; Rauchfuss, T.B. "Ansa-Ferrocenes with Both Trisulfide and Hydrocarbon Straps", *Organometallics* **1998**, *17*, 2702.

Johnston, E.R.; Brandt, P.F. "NMR Spectral Assignment and Determination of the Bridge Reversal Barrier in 3-*n*-Butyl-[3]-Trithiaferrocenophane", *Organometallics* **1998**, *17*, 1460.

D. M. Schubert, M.L.J. Hackney, P. F. Brandt, A. D. Norman. "Silylphosphine - Alkene Reaction Routes to Acyclic and Cyclic Organophosphines", *Phosphorus, Sulfur, and Silicon* **1997**, *123*, 141.

M.L.J. Hackney, D. M. Schubert, P. F. Brandt, R.C. Haltiwanger, A. D. Norman. "Trimethylsilylphosphine as a Versatile Reagent for Syntheses of New 4-Sila-and 4-Phosphorinanes", *Inorg. Chem.*  **1997**, *36*, 1867.

D. M. Schubert, P. F. Brandt, A. D. Norman. "Silylphosphide Reagents in Synthetic Routes to Cyclophosphines", *Inorg. Chem.*  **1997**, *36*, 1728.

Brandt, Paul F.; Lesch, David A.; Stafford, P.R.; Rauchfuss, Thomas B. "Fe2S2(CO)6 and Fe3Te2(CO)9,10", In *Inorganic Syntheses*, A.H. Cowley, Ed.; John Wiley & Sons: New York, **1997**; Vol. 31, p 112.

Schubert, D.M.; Brandt, P.F.; Norman, A.D. "Comparative Reactivity of the (Trimethylsilyl)phosphines (Me3Si)3-*n*PH*n* (*n*=1,2) in Radical Reactions", *Inorg. Chem.* **1996**, *35*,6204.

Compton, D.L.; Brandt, P.F.; Rauchfuss, T.B.; Rosenbaum, D.F.; Zukoski, C.F. "Organometallic Polymers Based on S-S and Se-Se Linked *n*-Butylferrocenes", *Chem. Mater.* **1995**, *7*, 2342.

**Brandt vitae**

Brandt, P.F. "The Formation of the Group VB (N, P, As, Sb, Bi) Element-Group IA (Li, Na, K, Rb, Cs, Fr) or IIA (Be, Mg, Ca, Sr, Ba, Ra) Metal Bond", In *Inorganic Reactions and Methods*, A. D. Norman, Ed.; VCH: New York, **1995**; Vol. 8, p 1.

Brandt, P.; Rauchfuss, T.B. "Polyferrocenylene Persulfides", *J. Am. Chem. Soc.* **1992**, *114*,1926.

Diel, Bruce N.; Brandt, Paul F.; Haltiwanger, Curtis R.; Hackney, Michael L.J.; Norman, Arlan D. "Metal-Templated Synthesis of Macrocyclic (Triphosphine)molybdenum Complexes", *Inorg. Chem.* **1989**, *28*, 2811

Hackney, Michael L.J.; Haltiwanger, Curtis R.; Brandt, Paul F.; Norman, Arlan D. "A New Class of Silicon-Phosphorus Heterocycles: 4-Silaphosphorinanes", *J. Organomet. Chem.* **1989**, *359*, C36.

### PAPERS PRESENTED

Brandt, P., “Using Ionic Liquids to Control Solvent Waste”, Invited talk by the Mark Twain Section of the ACS, Quincy, IL, **October 25** **2019**.

Brandt, P., “Using Ionic Liquids to Control Solvent Waste”, 255th American Chemical Society National Meeting, New Orleans, LA, **2018**, Abst. INOR 267.

Brandt, P., “Making P-Heteroatom Bonds Using a Green Technique”, 2017 ACCA Chemistry Research Collaboration Meeting, Lewis University, **2017**.

Brandt, P., “Old School Teaching (and Learning)”, 253rd American Chemical Society National Meeting, San Francisco, CA, **2017**, Abst. CHED 2119. Invited as part of the Colloquium on “Eliciting Attentiveness from Cyber-Savvy Students without Using Electronic Tools”.

Brandt, P., “Clean and Simple Syntheses and Isolation Using Ionic Liquids” A Promising Start: Excellence in Scholarship, North Central College, **2012**.

Paul Brandt, Joanne Syncheff, Mary McMahon “Can Enthusiasm be Contagious? Building Classrooms That Increase the Enjoyment of Science and Mathematics For Female Students and Male Students Together With Their Teachers in Challenging School Settings” Associated Colleges of Illinois 2009 Arts and Sciences Colloquium, Chicago, IL **2009**.

Brandt, P., Brown, M., Carey, J., Conrady, K., Noga, J., Rapp, D., Albrecht, J., “Clean and Simple Syntheses of Phosphine Compounds Using Ionic Liquids”, 38th Great Lakes Regional Meeting of the American Chemical Society, Lincolnshire, IL, **2009**, Abst. 231.

Paul Brandt, Joanne Syncheff, “Implementation of Varying Teaching Styles to Increase the Enjoyment of Science for Males and Females in High-Needs Schools” Associated Colleges of Illinois 2008 Arts and Sciences Colloquium, Lincolnshire, IL **2008**.

Brandt, P. “Using Ionic Liquids to Control Solvent Waste” Gordon Research Conference – Green Chemistry, Roger Williams University, Bristol, RI, **2004**.

Brandt, P. “ChiralPhosphinoferrocenes: Precursors To Asymmetric Catalysts”, 35th Great Lakes Regional Meeting of the American Chemical Society, Chicago, IL, **2003**, Abst. 166.

**Brandt vitae**

Brandt, P.F. "Speeding Up the General Chemistry Process: A Renovation of the Freshman Year of Chemistry", 213th American Chemical Society National Meeting, San Francisco, CA, **1997**, Abst. CHED 112.

S.K. McAlister; F.M. Dawes, Jr.; Brandt, P.F. "Chiral Phosphinoferrocenes", 213th American Chemical Society National Meeting, San Francisco, CA, **1997**, Abst. INOR 173.

Brandt, P.F.; Rauchfuss, T.B. "Polyferrocenylpersulfides", 203rd American Chemical Society National Meeting, San Francisco, CA, **1992**, Abst. INOR 6.

Norman, Arlan D.; Brandt, Paul F. "Phosphinosilanes as Reagents for Precursor Silazane Synthesis", 198th American Chemical Society National Meeting, Miami Beach, FL, **1989**, Abst. INOR 150.

Brandt, Paul F.; Hackney, Michael L.J.; Schubert, David M.; Norman, Arlan D. "Trimethylsilylphos-phines Reaction Selectivity Toward Olefins: The Synthesis of New Silylphosphines", 196th American Chemical Society National Meeting, Los Angeles, CA, **1988**, Abst. INOR 286.

**UNDERGRADUATE STUDENT RESEARCHERS PAPERS PRESENTED** (\*Undergraduate presenter)

Eva Allen\*, Paul Brandt, "Green Chemistry Synthesis of Phosphorus-Oxygen Bonds Using BASILTM", 18th Annual Rall Symposium, North Central College, Naperville, IL, May 12, **2015**. (Poster)

Mirachelle Anselmo\*, Paul Brandt, " Synthesis of Aminoaluminum Compounds Utilizing Various Techniques", 18th Annual Rall Symposium, North Central College, Naperville, IL, May 12, **2015**. (Poster)

Mirachelle Anselmo\*, Paul Brandt, " Synthesis of Aminoaluminum Compounds Utilizing Various Techniques", 29th Annual National Conference on Undergraduate Research, Eastern Washington University, Cheney, WA, April 16-18, **2015**. (Poster)

Eva Allen\*, Paul Brandt, "Green Chemistry Synthesis of Alkoxydiphenylphospines Using BASIL", 29th Annual National Conference on Undergraduate Research, Eastern Washington University, Cheney, WA, April 16-18, **2015**.

Chelsea Sullivan\*, Paul Brandt, "Synthesis of a P-N Bond Using the BASIL Technique and the Recovery of 1-Methylimidazole", 17th Annual Rall Symposium, North Central College, Naperville, IL, May 13, **2014**. (Poster)

Raymond Koenig\*, Sarah Scurto\*, Michael Schelthoff\*, Paul Brandt, "Green Chemistry Study of BASIL Techniques ", 16th Annual Rall Symposium, North Central College, Naperville, IL, May 14, **2013**. (Poster)

Marlon Brown\*, Cassandra Schneider\*, Paul Brandt, "Green Methodological Study of the BASIL Technique in Synthesis of Phosphorous-Oxygen bond Molecules", 14th Annual Rall Symposium, North Central College, Naperville, IL, May 17, **2011**. (Poster)

Marlon Brown\*, Paul Brandt, "Ionic Liquids in Green Chemistry", 12th Annual Rall Symposium, North Central College, Naperville, IL, May 12, **2009**. (Poster)

Marlon Brown\*, Paul Brandt, "Ionic Liquids in Green Chemistry", 23rd Annual National Conference on Undergraduate Research, University of Wisconsin – La Crosse, La Crosse, WI, April 16-18, **2009**.

**Brandt vitae**

Jesse Carey\*, Paul Brandt, "Synthesis of Phosphorus Compounds Using the BASIL Technique", 42nd ACCA Student Symposium, Lewis University, Romeoville, IL, April 4, **2009**.

Marlon Brown\*, Paul Brandt, "Ionic Liquids in Green Chemistry", 237th American Chemical Society National Meeting, Salt Lake City, UT, March 22-26, **2009**. (Poster)

Jason Karpus\*, Paul Brandt, "Exploring the Warburg Hypothesis and the Efficacy of Cisplatin Derivatives", 22nd Annual National Conference on Undergraduate Research, Salisbury University, Salisbury, MD, April 10-12, **2008**.

Jesse Carey\*, Paul Brandt, "Synthesis of Organic Compounds Using the BASIL Technique", 41st ACCA Student Symposium, Lewis University, Romeoville, IL, April 12, **2008**. (poster)

Sheri Starks\*, Paul Brandt, "Ferrocene Based Chiral Catalyst", 8th Annual Rall Symposium, North Central College, Naperville, IL, May 17, **2005**.

David Rapp\*, Paul Brandt, "Synthesis of Phenylphosphines Using Ionic Solvents", 7th Annual Rall Symposium, North Central College, Naperville, IL, May 1, **2004**.

Jeffrey Noga\*, Paul Brandt, "Improved Synthesis of Aminophosphine Compounds", 7th Annual Rall Symposium, North Central College, Naperville, IL, May 1, **2004**.

Jeffrey Noga\*, Paul Brandt, "Improved Synthesis of Aminophosphine Compounds", 2004 National Conference on Undergraduate Research, Indiana University-Purdue University Indianapolis, Indianapolis, IN, April 15-17, **2004**.

Elizabeth Masko\*, Paul Brandt, "The Use of Microwave Chemistry in the Formation of (Norbornadiene) Molybdenum Tetracarbonyl", 6th Annual Rall Symposium, North Central College, Naperville, IL, May 3, **2003**.

Leah Tiberius\*, Paul Brandt, "Analysis of Chiral Diphosphinoferrocenes", 32nd Annual American Chemical Society Southeastern Undergraduate Research Conference, Eastern Kentucky University, Richmond, KY, April 13-15, **2000**.

Julie Wheeler\*, Paul Brandt, "The Reduction of Heavy Metal Waste in Solutions", 31st Annual American Chemical Society Southeastern Undergraduate Research Conference, Western Carolina University, Cullowhee, NC, April 15-16, **1999**.

Jessica DelBove\*, Paul Brandt, "Reduction of Heavy Metal Concentrations by Means of Precipitation and Ion Exchange", 31st Annual American Chemical Society Southeastern Undergraduate Research Conference, Western Carolina University, Cullowhee, NC, April 15-16, **1999**.

Julie Wheeler\*, Paul Brandt, "The Reduction of Heavy Metal Waste in Solutions", Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy, Orlando, FL, March 8, **1999**.

Jessica DelBove\*, Paul Brandt, "Reduction of Heavy Metal Concentrations by Means of Precipitation and Ion Exchange", Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy, Orlando, FL, March 8, **1999**.

**Brandt vitae**

Daniel R. Bartholomew, Michael R. Shepard\*, David J. Butcher, Paul F. Brandt, "A Precipitation Procedure for the Disposal of Laboratory Waste", Eastern Analytical Symposium, Sommerset, NJ, November 16-19, **1996**.

Daniel R. Bartholomew\* and Paul F. Brandt, "Decreasing the Concentration of Metal Cations in Aqueous Solution", 27th Annual American Chemical Society Southeastern Undergraduate Research Conference, Clemson University, Clemson, SC, March 15-17, **1995**.

Alan B. Fulp\*, Gene F. Morris, and Paul F. Brandt, "Models for Polymers, a Stereospecific Synthesis of 2, 3, 4- Tribromopentane", 26th Annual American Chemical Society Southeastern Undergraduate Research Conference, Middle Tennessee State University, Murfreesboro, TN, March 24-26, **1994**.

Lon J. Mathias, Scott J. Steadman, Dennis A. Parrish\*, and Paul F. Brandt, "*gem*-Dinitrile Polymers from Malononitrile and *alpha*-Chloroacetate Diesters", 26th Annual American Chemical Society Southeastern Undergraduate Research Conference, Middle Tennessee State University, Murfreesboro, TN, March 24-26, **1994**.

Jeremi Johnson\* and Paul F. Brandt, "Synthesis of a Phosphinoferrocene and a Phosphorous Bridged Ferrocene Polymer", 25th Annual American Chemical Society Southeastern Undergraduate Research Conference, Western Carolina University, Cullowhee, NC, April 16, **1993**.

Sylvia McAlister\* and Paul F. Brandt, "Synthesis of 1,2,3-Trithiaferrocenophane and 1,1'Bis(Dimethyl-aminophenylphosphino)Ferrocene", 25th Annual American Chemical Society Southeastern Undergraduate Research Conference, Western Carolina University, Cullowhee, NC, April 16, **1993**.

**GRADUATE STUDENT RESEARCHERS PAPERS PRESENTED** (\*Graduate presenter)

Fred Milton Dawes, Jr.\* and Paul F. Brandt, "Synthesis of a Ferrocene-Phosphorus-Sulfur Polymer", 5th Annual Graduate Research Symposium, Western Carolina University, Cullowhee, NC, March 21, **1997**.

Scott Steward\* and Paul F. Brandt, "Letting Phosphorus out of the Cage", 4th Annual Graduate Research Symposium, Western Carolina University, Cullowhee, NC, March 22, **1996**.

Sylvia K. McAlister\* and Paul F. Brandt, "Synthesis of 1,1'‑Bis(diethylaminephenylthiophosphino)-ferrocene and 1‑diethylaminephenylthiophosphinoferrocene", 4th Annual Graduate Research Symposium, Western Carolina University, Cullowhee, NC, March 22, **1996**.

**GRADUATE STUDENT THESES DIRECTED**

Daniel R. Bartholomew, M.S. thesis, Western Carolina University, Cullowhee, NC, 1997.

Fred Milton Dawes, Jr., M.S. thesis, Western Carolina University, Cullowhee, NC, 1998.

Scott Steward, M.S. thesis, Western Carolina University, Cullowhee, NC, 1998.

Mohammed Khaled Sarker, M.S. thesis, Western Carolina University, Cullowhee, NC, 2001.

Pornippa Vichchulada, M.S. thesis, Western Carolina University, Cullowhee, NC, 2002.

**CITIZENSHIP**

**ACS**

Chicago section of ACS HS Committee (2006 – present)

Exam writer ACS HS Exam for Chicagoland Scholarships (2007 – 2019)

Host the Chemistry Olympiad Exam (2015 - present)

Chicago section of ACS Primary School Education Committee (2012 – 2019)

Chicago section of ACS Board of Directors (2014 – 2017)

Chicago section of ACS Editor of *The Chemical Bulletin* (2015 – 2019)

**Brandt vitae**

Chicago section of ACS Nominating Committee (2013, 2015, 2016, 2017, 2020, 2021)

Chicago section of ACS Chair nominee (2015, 2017, 2019)

Chicago section of ACS Project SEED Scholarship Committee Chair (2017 - present)

Chicago section of ACS Alternate Councilor (2018 – 2019)

Chicago section of ACS Councilor (2020 - present)

Chicago section of ACS Chair J. Willard Gibbs Medal Jury (2019)

Chicago section of ACS Chair Elect (2019)

Chicago section of ACS Chair (2020)

National ACS Committee on Public Relations and Communications (2020 - present)

**ChemEd 2019 –** Co-chair of international conference

**North Central College**

Strategic Planning – Community Excellence (2016-2017)

Faculty Welfare Committee (2016-2018)

SMACS Advisor (2002-2016)

Perform ChemDemo days at many schools and at DuPage Children’s Museum (2002-present)

Richter Committee (2003-2006)

ACCA Chemistry Secretary/President (2004-2006, 2017-2018)

ACCA Chemistry Seminar Organizer (2007, 2008, 2015, 2019)

Host and organize the Boy Scouts of America Merit Badge in Chemistry at NCC (2004-present)

Host the Girl Scouts of America Marie Curie Chemistry Day patch at NCC (2012-present)

Annually host ChemWest’s “Big Meeting” with 70-120 HS faculty at NCC (2006-present)

Arranged for the Koten Summer Fellowship Endowment (2006)

Department Chair (2010 – 2015, 2020 - present)

Division Chair (2015 - 2016)

Acting Department Chair (Fall 2006, Spring 2010)

Education Department Liaison Committee (2006 - present)

Faculty Professional Development Committee, Acting Chair (Winter 2010), Chair (2010–2014)

Steering Committee (2010-2014)

Academic Advisory Council (2010-2014)

Trustee Liaison (2010-2014)

Task Force on Calendar System Chair (2014)

Task Force on Calendar/Curriculum (2014-2015)

Grievance Panel Committee (2007-2010)

WYSE Chemistry Demonstration performer (2009-2010, 2014)

Hosted ASM Materials Science Camp for teachers (2014 – present)

Host ASM Teen Camp (2017-present)

Hosted You Be The Chemist Challenge (2013 - 2017)

Hosted You Be The Chemist State Challenge (2014)

You Be The Chemist Judge (2014 – 2017)

Coleman Foundation Faculty Entrepreneurship Fellow (2014-2015)

Reviewer of DAR – William Robert Findley Graduate Chemistry Scholarships (2008 – 2016)

Reviewer for Petroleum Research Foundation (2014)

President Transition Team (2012)

President Inauguration Committee (2013)

Chemistry Search Committee Chair (2011, 2013, 2014WI, 2014FA)

Physics Search Committee Chair (2010, 2012)

Physics Search Committee Member (2014)

Education Department Chair Search Committee Member (2016)

English Search Committee member (2012)

**Brandt vitae**

Classics Search Committee member (2008)

3-D Art Search Committee member (2007)

Marketing Search Committee member (2006)

ENG 115/116 Implementation Committee (2004)

Women’s Cross Country Faculty mentor (2006-2012, 2018 - present)

Women’s Track and Field Faculty mentor (2007-2011)

**Western Carolina University**

Council on Instruction and Curriculum (1994-2000)

Annual Faculty Evaluation Committee (1995-1997 *Chair*)

Advisor for the Writing Center (1995-2000)

Graduate Coordinator (1997-1998)

Arts and Sciences Teaching Award Committee (1997-1999 *Chair*)

Paul Reid Distinguished Service Award Committee (1998)

University Athletics Committee (1999)

**Courses Taught NCC WCU**

CHM 100 – Chemistry Today CHM 101 Chemistry in Society

CHM 113 – General Chemistry I CHM 132 Introductory Chemistry

CHM 142 – General Chemistry II CHM 135 General Chemistry I

CHM 205 – Descriptive Inorganic Chemistry CHM 136 General Chemistry II

CHM 220 – Organic Chemistry I CHM 140 Advanced General Chemistry

CHM 405 – Advanced Inorganic Chemistry CHM 241 Organic Chemistry I

CHM 425 – Organometallic Chemistry CHM 242 Organic Chemistry II

CHM 430 – Green Chemistry CHM 271 Chemical Techniques

CHM 475 – Chemistry Seminar CHM 321 Inorganic Chemistry

ENG 125 – First Year Seminar CHM 421 Advanced Inorganic Chemistry

SCI 110 – The Science of Energy CHM 493/593 Organometallics

CHEM 121 – General Chemistry I CHM 621 Graduate Inorganic Chemistry

CHEM 122 – General Chemistry II

CHEM 301 – Descriptive Inorganic Chemistry

CHEM 401 – Advanced Inorganic Chemistry

CHEM/PHYS 392 – Seminar II

CHEM 485 – Chemical Research and Scientific Writing

CHEM 493– Seminar III