Lecturer
Major-Specialty: Physical Chemistry
Office Locale: Stern Hall 220
Office Telephone: 504-816-4409
Email Address(es): cesmith@dillard.edu

Courses Taught: (CHE where course abbreviation missing)
General Chemistry and Labs (111, 112)
Elementary College Physics and Labs (PHY 201, PHY 202)
Physical Chemistry and Labs (403, 404)
Chemical Research (405)

Research Interest:
Matrix-Isolation Studies of the Vacuum Ultraviolet Photolysis of Small Halogenated-Methanes and The Spectra and Bonding in the Resulting Free Radicals.
The Synthesis, Spectra, and Bonding associated with small Lactams.
The use of Ternary Azeotropes in the synthesis of Beta-Amino acid Esters.

Teaching Interest:
Instruction in general and physical chemistry, spectroscopy, and collegiate administration

University Services:
Chair of the Text Book Adoption Commmity for General Chemistry.
Preceptor for Students Involved in Research Projects Associated with the LAMP Program.
Ad Hoc Chair of the Hazardous Waste Committee For the Chemistry Department.

Professional Affiliations:
American Chemical Society, ACS
National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, NOBCChE
President of the Executive of the Louisiana State Conference of The American Association of University Professors, 1995-98.

Selected Presentations:
Presented an invited paper entitled “New Approaches to General Education Science Courses” at the first annual Labs For Liberal Learning National Conference, sponsored by Hunter College of CUNY, New York,1990.
Presented a number of Scientific seminars including on to the graduate faculties at the University of New Orleans, and one a the State University of New York at Buffalo College.

Selected Awards:
Guest Researcher National Bureau of Standards
Outstanding Department Chairman's Award
MARC Lecturer, two occasions.
National Defense Education Act Fellow

Selected Publications:

C.E.Smith, M.E. Jacox,and D.E. Milligan, “The Absorption and Florescence Spectra of Matrix-Isolated CF2.” Journal of Molecular Spectroscopy,60, 380-387(1976).

C.E.Smith, D.E. Milligan, and M.E. Jacox, “Matrix-Isolation Study of the Vacuum Ultraviolet Photolysis of Chlorofluoromethane. The Infrared and Ultraviolet Spectra of the Free Radical CLCF.” Journal of Chemical Physics 54, 2780-2793 (1971).

C.E.Smith, “A Case for Writing in the Content Area: Scientist and the Meanings They Make,” Put it in Writing: Journal of the SUNO Writing-Across-the-Curriculum Program 3 , 12-19(1991).

Selected Grants:

Interim Director of the Science Division component of the Dillard Title III Program, 1997-98

Subcontractor of a FIPSE grant director by Dr. Era Shahn of Hunter College, June 1990 to January 1994.

Principal Investigator (Physical Science Labs) for the Orleans Parish/Xavier Louisiana Systemic Initiative Program's Science Teacher's Enhancement Project for Fifth and Sixth Grade Teachers, Summers, 1993 through 1998. This was a collaboration between the State of Louisiana and the National Science Foundation and The United States Department of Education.

Director of a Merck Foundation Grant Undergraduate Research and Course Improvement Grant, 1978-1982.

Principal Investigator for a National Park Service Environmental Research Grant.

Principal Investigator for a National Institutes of Health Minority Biomedical Support Program Undergraduate Research Grant, 1972-1976.