

NC-LSAMP RESEARCH CONFERENCE WORKSHOPS

April 26, 2002

Maximizing the Benefits of a Research Internship

11:00-11:40 AM / 11:45-12:25 PM – Room 7B McKimmon Center

Dr. Anne Donnelly

Facilitator: Dr. Clinton B. Lee, North Carolina A&T State University

Information is provided concerning the transition process from student to professional. Specific topics of discussion are types of internships, resources for locating internships, factors to consider when applying for internships, making the most of an internship, intern responsibilities, and the final project report.

Being Successful After the Bachelor's Degree: Applying to and Making Yourself Competitive for Graduate School

11:00-11:40 AM / 11:45-12:25 PM – Room 5 McKimmon Center

Dr. Duane Larick

Facilitator: Ms. Valarie Deese, University of North Carolina-Pembroke

This workshop focuses on procedures for applying to and making yourself competitive for graduate school. Specific topics for discussion include tips on how to select a graduate school, how to investigate a particular major, and what graduate school reviewers look for in an application.

Gaining Access to Graduate School: Preparing for the GRE

11:00-11:40 AM / 11:45-12:25 PM – Room 4 McKimmon Center

Dr. Walter E. Jordan-Davis

Facilitator: Mrs. A. Ayanna Boyd-Williams, North Carolina A&T State University

The Graduate Record Examination (GRE) is discussed to familiarize students with the examination prior to their initial testing session. In addition, information is provided concerning the following admissions tests associated with the GRE: GENERAL TEST (verbal, quantitative, and analytical reasoning); SUBJECT TESTS (achievement tests in eight different fields); WRITING ASSESSMENT (critical reasoning and analytical writing). Other related topics include, how to best prepare and develop skills for the GRE General Test; using Power Prep software; taking an adaptive test; using time efficiently; and locating and using resources to facilitate preparation for the GRE.

Financial Support for Graduate Education

11:00-11:40 AM (one session only)– Room 7A McKimmon Center

Mr. David Shafer

Facilitator: Mrs. Jodi Turner, University of North Carolina - Charlotte

Students are provided an overview of financial support sources for graduate education with a special focus on graduate fellowships. Other topics pertaining to this workshop include how to search for various funding opportunities, how to apply for fellowships, and how to make fellowship applications competitive.

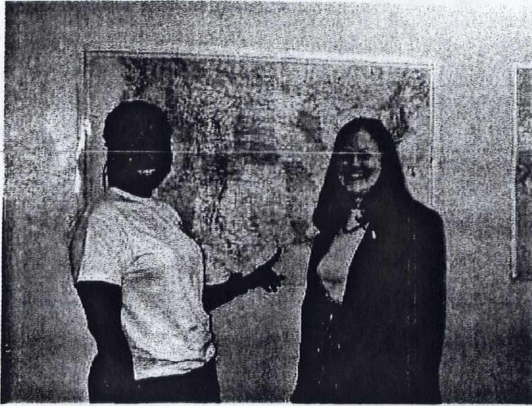
Transitioning into STEM disciplines: Tips on Selecting a College Major

11:45-12:25 PM (one session only for high school students) – Room 11 McKimmon Center

Dr. Stephen McCary-Henderson

Facilitator: Mrs. Charlene Carr, North Carolina A&T State University

Key factors are discussed related to the preparation and selection of majors in the STEM disciplines. In addition, participants will be given the opportunity to explore the importance of these disciplines for the twenty-first century.



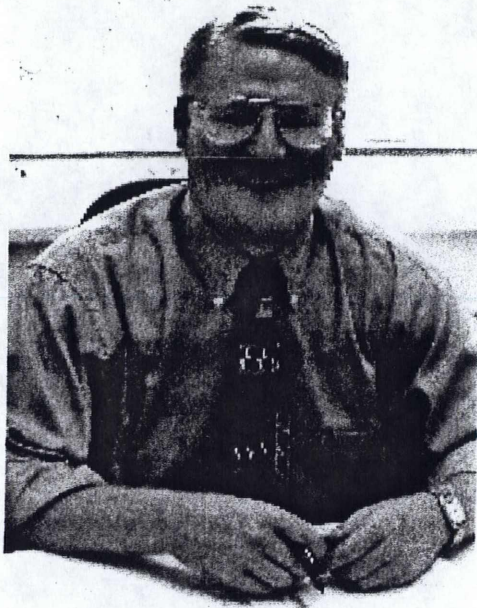
DR. ANNE E. DONNELLY (right)
*Engineering Research Center for Particle
Science and Technology
University of Florida*

Dr. Anne E. Donnelly received a B.A. degree in zoology from Ohio Wesleyan University. She earned the MBA degree from Georgia State University, and a Ph.D. degree in science education at the University of Florida. In 1996, Dr. Donnelly joined the Engineering Research Center at the University of Florida. She has worked in education for over 20 years, across the continuum from adult lifelong learning down through the precollegiate level. Additionally, Dr. Donnelly has experience in both formal and informal settings, and has worked with local school systems to bring the excitement of engineering and science to middle and high school level students.

Dr. Donnelly is the Associate Director of Education and Outreach at the National Science Foundation Engineering Research Center for Particle Science and Technology at the University of Florida. In this multidisciplinary program, she works with STEM students at both the graduate and undergraduate levels. Dr. Donnelly has placed over 500 undergraduate students in research projects in engineering, chemistry, microbiology, and pharmacy. Moreover, she has worked with over 125 graduate level students. Dr. Donnelly serves as the College of Engineering Co-PI for the University of Florida NSF Alliance for Graduate Education and the Professoriate Program (AGEP) that has brought 25 minority Ph.D. students into STEM departments across campus. In addition, the Program has provided summer research experiences for 30 visiting minority students in the past two years.

Dr. Donnelly has studied the role of metacognition in learning from science objects. Currently, she is investigating the factors that encourage women and minority participation in undergraduate research. She is also interested in factors that improve the retention of students in engineering programs.

Dr. Donnelly has directed seven Research Experiences for Undergraduate students in the past five years. In addition, she has made presentations to faculty, administrators, and students on how to develop, manage, and succeed in a research experience. Dr. Donnelly will share her knowledge on this subject as well as insight into academic careers with participants of the 6TH Annual NC-LSAMP Undergraduate Research Conference.

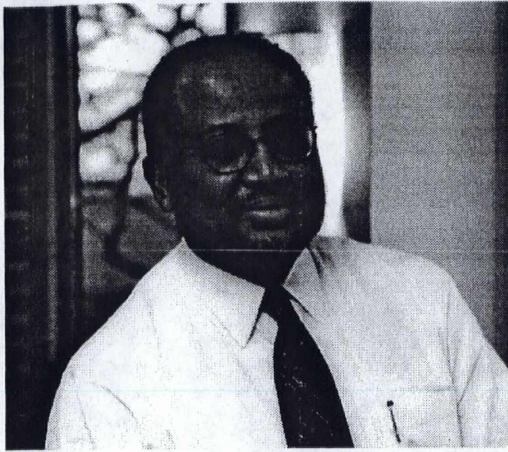


Dr. Duane Larick

*Assistant Dean of the Graduate School
North Carolina State University*

Dr. Duane Larick is Assistant Dean of the Graduate School at North Carolina State University. He also holds an academic appointment as a professor of food science and animal science. Prior to his appointment as Assistant Dean, Dr. Larick served as Director of Graduate Programs for Food Science. He has also been a member of the Administrative Board of the Graduate School.

As Assistant Dean, Dr. Larick has responsibility for the Graduate School Diversity Initiative, which is devoted to activities designed to strengthen the recruitment, retention, and graduation of graduate students from underrepresented groups. His other responsibilities include graduate program development, graduate program reviews, and distance education.



DR. WALTER E. JORDAN-DAVIS

*Director of the Fairness, Accessibility, Multiculturalism,
and Equity (FAME) Initiative
Educational Testing Service (ETS), Princeton, NJ*

Dr. Walter E. Jordan-Davis received the B.S. and Ph.D. degrees in psychology from the University of Texas at Austin. For a number of years, he has worked closely with members of several Texas and California school districts, Historically Black Colleges and Universities, Hispanic Serving Institutions, and The College Board to improve access for students wishing to pursue a postsecondary academic career.

Currently, Dr. Jordan-Davis is employed with the Educational Testing Service (ETS) in the Division of Graduate and Professional Education. He serves as Director of ETS's Fairness, Accessibility, Multiculturalism, and Equity (FAME) initiative. In this capacity, Dr. Jordan-Davis is responsible for developing a research agenda focusing on the validity of ETS products, services, and assessments, particularly as related to increasing diversity of ETS clients. He began his ETS career in August 1990 as a Field Service Representative in ETS's Southwest Field Service Office in Austin, Texas. Subsequently, he transferred to ETS's California-based Western Field Office in 1993, assuming the role as a Program Administrator. His specific function was to provide direction to several ETS programs based in California. In January of 1998, Dr. Jordan-Davis transferred to ETS in Princeton.

Dr. Jordan-Davis has provided research, planning, and evaluation services for numerous school systems in a variety of settings—federal, state, and local district levels. Prior to joining ETS, he worked for the Texas Educational Agency as a Division Director in the area of accreditation. He directed the agency's efforts related to the development of research, evaluation, and assessment efforts aimed at determining the organizational effectiveness of selected Texas school systems. In addition, he worked as a Senior Research Specialist at Powell Associates, Inc. in Austin, TX. In this role, Dr. Jordan-Davis provided technical assistance to school systems through a Chapter 1 Technical Assistance Center funded by the Department of Education. He also served as the Director of the Austin Independent School District's Chapter 1 Evaluation Team in the district's Office of Research and Evaluation.

Dr. Jordan-Davis has served on the board of several non-profit organizations in Texas and California. Additionally, he served on the California Department of Education's Technical Advisory Committee for the California Learning Assessment System. Moreover, he served as an adjunct professor at the University of Texas at Austin. In 1984, he was elected to membership in Phi Kappa Pi. Dr. Jordan-Davis has an impressive record of research and publications, consultation, community service, and participation in professional organizations, including a multitude of presentations. He has a primary interest in evaluation research with a focus on differential program impact for diverse populations.



MR. DAVE SHAFER

*Director Graduate Fellowship Programs
North Carolina State University*

Mr. David Shafer is Director of Graduate Fellowship Programs for the Graduate School at North Carolina State University, where he has been employed since 1990. In addition, he serves as the program manager for the North Carolina State Minority Graduate Education Program, and Director of the North Carolina Alliance to Create Opportunity Through Education (OPT-ED), both of which are funded by the National Science Foundation. Mr. Shafer received his B.A. degree in political science from The University of North Carolina at Chapel Hill, and his M.A. degree in political science from North Carolina State University, where he is currently a Ph.D. Candidate in Public Administration.



DR. STEPHEN MCCARY-HENDERSON

*Academic Counselor/Lecturer
North Carolina A&T State University*

Dr. Stephen McCary-Henderson is an academic counselor/lecturer at North Carolina Agricultural and Technical State University. He graduated from North Carolina A&T State University Cum Laude with B.S. degrees in mathematics education and professional mathematics, and with minors in computer science and physics. In 1992, he earned the M.Ed. degree in mathematics education from the University of Southern Mississippi. McCary-Henderson earned a Ph.D. degree in team and organizational development with a minor in mathematics education at the Union Institute and University in 2001, quenching his relentless desire to problem-solve, seek new facts, and explore new ideas.

Dr. McCary-Henderson has served as a mathematics instructor and academic advisor in The Center for Student Success, formerly the Department of Freshman Advisement and Learning Assistance Center, since 1988. He has also worked at Guilford Technical Community College as a part-time mathematics instructor in the Guided Studies and the College Transfer programs. His summer employment included work with several programs sponsored by North Carolina A&T State University and Bennett College, allowing him an opportunity to interact and observe young people in the learning process. In addition to teaching, Dr. McCary-Henderson has served as coordinator of the Mathematics Computer Lab and chaired several committees in The Center for Student Success.

In 1995 and 1996, Dr. McCary-Henderson received the Outstanding Freshman Academic Advisor Award. He holds membership in the following organizations: Kappa Delta Pi Educational Honor Society, Pi Mu Epsilon Mathematical Honor Society, and Phi Delta Kappa Educational Fraternity. As part of his commitment to community service and scholarship, Dr. McCary-Henderson is a member of Alpha Phi Alpha Fraternity, Incorporated. His current professional interests include the study and application of interpersonal and group processes, small group facilitation, organizational development, and teaching and training processes.