

NSF-VIGRE Traineeship Program

About the Program: The NSF-VIGRE program in the NCSU Department of Statistics is an educational program for training statisticians, which makes research and problem-solving activities central to the learning process. The program offers opportunities to enrich the educational experiences of undergraduates (along with graduate students and postdoctoral fellows) through exposure to and hands-on experience with applied research.

Each year the department enrolls ten junior- and senior- level Statistics students as trainees in its VIGRE program. Participants are selected based on outstanding academic and personal credentials. A goal of the program is to introduce trainees to current topics in cross-disciplinary research areas and engage them in hands-on experience in these areas. In particular, trainees are exposed to practical problems and research methods through practicum courses and through participation in departmental research activities. Trainees interact with professionals from Statistics and other fields and deliver written and oral reports on their work.

Program Activities: The program takes advantage of the department's interdisciplinary research groups in biomedical statistics, industrial and technology statistics, environmental statistics, and statistical genetics. Research group workshops offer trainees opportunities to interact with graduate students, postdoctoral fellows, and faculty.

For summers, VIGRE trainee participation increases with activities centered either on research efforts of a research group or with a team effort related to project work with a partner organization, or both.

For more information:

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