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## Xavier University of Louisiana

### CHE-0418645

The Xavier University of Louisiana (XU) chemistry faculty is creating a program that will initiate freshmen into its well-established culture of research that is nationally recognized for the number of chemical scientists it produces.

This program will teach proper scientific skills via research experiences, increase awareness of chemical careers, and provide a diverse network of academic and personal support provided by instructors, upperclassmen, peers and practicing chemists from partner institutions.

Our program will have broad impacts for XU students and other educators. It will immediately make evident to students the connection between the classroom and real world problems. The dissemination of results from our program will allow other professionals to build upon and expand our successes at introducing freshmen to research. Our program will create for XU a local and eventually national reputation of excellence in preparing minority young adults for careers in the chemical sciences. The program will increase the number of XU graduates attending graduate school in Chemistry and it will create a larger pool of qualified applicants for upper level honors research programs at XU.



**Sophomore chemistry major Vincent Vu pursues novel syntheses of metal nanoparticles.**