



## PHD IN SCIENCE/MATHEMATICS EDUCATION (SMED)

Southern University and A&M College Science and Mathematics Education Doctoral (SMED) program is an interdisciplinary doctoral program designed for individuals who have completed a bachelor's or master's degree in mathematics, computer science, a natural science, or engineering. Students accepted in the program who have not completed the master's degree in one of the content areas will earn a M.S. degree or complete a master's equivalency in mathematics, a natural science, computer science or engineering during their course of study. This program is designed to develop research skills that will lead to improvements in teaching and learning in science, technology, engineering, and mathematics (STEM), in environments ranging from the primary to postsecondary levels; and preparing researchers for a changing and growing STEM economy.

### JOB OPPORTUNITIES

This program prepares graduates for a wide variety of careers, including: University-level teaching and research in science or mathematics education; teaching in the content area at undergraduate or community colleges; school district science/mathematics curriculum administration; program development and exhibit design at informal science sites; leadership in science or mathematics' education professional organizations

### ADMISSION REQUIREMENTS

In addition to the general requirements for admission to the Graduate School, the applicant must: **1**-Hold a minimum of a bachelor's degree in one of the following fields: mathematics, computer science, a natural science, engineering, or curriculum and instruction with a science or mathematics concentration. **2**-Provide a curriculum vitae and any written evidence of research potential (publications, research reports, master's thesis, etc.) **3**-Submit official transcripts from all schools attended **4**-Prior classroom teaching experience, or completion of a practicum of such experience during the program.

### DEGREE REQUIREMENTS

Following is the minimum graduation requirements. In all cases, the student must complete an individualized program of study, which must be filed and approved during the first semester of study. **1**-A minimum of 24 credit hours of graduate coursework in the content field (master's equivalency) **2**-A minimum of 36 credits of graduate coursework beyond the master's degree or equivalency and 60 credits beyond the bachelor's degree, exclusive of dissertation research **3**-Successful completion of a comprehensive examination for admission to doctoral candidacy **4**-Successful defense of proposed research **5**- Completion of 12 credits of directed dissertation research. **6**- Completion and successful oral defense of the dissertation

### GRADUATE ASSISTANTSHIPS

The Department offers graduate assistantships for eligible students who demonstrate outstanding potential. These working assistantships are competitively awarded typically for an academic year and is based on availability of funds.

### CONTACT INFORMATION

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### THE GRADUATE SCHOOL

For more detailed information, please refer to the Southern University Graduate School website:

<http://www.subr.edu/page/1567>

