

SOUTHERN UNIVERSITY AND A&M COLLEGE
 BATON ROUGE, LOUISIANA
 THE GRADUATE SCHOOL
 COLLEGE OF SCIENCES AND AGRICULTURE
 DOCTORAL PROGRAM IN SCIENCE/MATHEMATICS EDUCATION

PLAN OF STUDY

Name of Student: _____ Banner ID#: _____

Admission Date: (Semester & Year) _____ E-mail Address: _____

Departmental Advisor: _____ Date: _____

MASTER'S DEGREE OR EQUIVALENT (24 hours Min.)

Master's Degree: _____ Major: _____

University: _____ Graduation Date: _____

Bachelor's Degree: _____ Major: _____

University: _____ Graduation Date: _____

() 24 TRANSFERRED GRADUATE CREDITS () MASTER'S EQUIVALENT

Course No.	Title	University	Credits	Grade	Semester/Term	Year

PRACTICUM (for students without teaching experience and/or credentials) 3-6 credit hours

Course No.	Title	Credits	Grade	Semester/Term	Year	Instructor
SMED 735	Teaching Practicum I <u>Elementary</u>	3				
SMED 736 or SMED 737	Teaching Practicum II <u>Secondary</u> Teaching Practicum III <u>College</u>					

REQUIRED CORE COURSES

Course No.	Title	Credits	Grade	Sem/Term	Year	Instructor
	FOUNDATIONS	6				
SMED 702	Cognitive Foundations of Learning in Science and Math	3				
SMED 705 or SMED 710	Foundations of Science/Mathematics Education	3				
	History and Structure of Science/ Mathematics Education					
	RESEARCH	15				
SMED 739	Applied Statistics and Data Analysis	3				
SMED 740	Quantitative Methods in Science/Math Educ. Research	3				
SMED 741	Qualitative Methods in Science/Math Educ. Research	3				
SMED 743	Science/Mathematics Research Design: Literature Review for Science/Math Education	3				
SMED 750 or SMED 755	Advanced Quantitative Methods in SMED Research	3				
	Advanced Qualitative Methods in SMED Research					
	CURRICULUM	6				
SMED 716	Science/Mathematics Curriculum II: Secondary	3				
SMED 715 or SMED 717	Science/Mathematics Curriculum I: Elementary	3				
	Science/Mathematics Curriculum III: College					
	TECHNOLOGY	3				
SMED 720	Technology in Science/Mathematics Education	3				

OPEN ELECTIVES (6 credit hours minimum at the graduate level, while enrolled in the doctoral program)

SMED 701	Developmental Psychology and Science	3				
SMED 721	Design in Science/Math Education: Instruction and Outcome Assessment	3				
SMED 722	Instructional Design & Multimedia Technology	3				
SMED 725	Critical Thinking in the Sciences and Mathematics	3				
SMED 726	Evolution and Science Education	3				
SMED 732	Topics in Number Theory	3				
SMED 760	Informal Science/Math Education	3				
SMED 770	Special Topics in Science and Mathematics Education	3				
SMED 780	Research in Mathematics Education	3				
SMED 790	Independent Study in Science Education	3				
SMED 791	Independent Study in Mathematics Education	3				

RESEARCH/DISSERTATION (12 credit hours minimum)

SMED 798	Doctoral Qualifying Examination	0				
SMED 799	Advanced Research	3-15				
SMED 800	Dissertation Research	3-15				

MINIMUM COURSEWORK REQUIREMENTS:

Total hours beyond master's degree: 36 hours + dissertation = 48 credit hours

: 36 hours + dissertation + 3 hours practicum (without teaching experience) = 51 credit hours

Total hours beyond bachelor's degree: 60 hours + dissertation = 72 credit hours

60 hours + dissertation + 3 hours practicum (without teaching experience) = 75 credit hours

Student's Signature: _____

Date: _____

Department Advisor: _____

Date: _____

Department Chair: _____

Date: _____