DATA ANALYTICS AND VISUALIZATION, CERTIFICATE

This certificate requires a minimum of 12 hours#and#must be earned in concurrence with an undergraduate degree program. A student may only be awarded the certificate in the same semester the student is awarded an undergraduate degree from the University of South Carolina. At least 50% of a student's undergraduate certificate#coursework#must be completed at#the University of South Carolina and all#coursework that#applies to the certificate must be earned with a#grade of#C or better.

Admissions Requirements

Students must be concurrently enrolled in a bachelor's degree program.

Degree Requirements (12 Hours)

The student will select a minimum 12 credits (4 courses) #and#must be earned in concurrence with an undergraduate degree program.

Some courses or course sections may have enrollment restrictions. Pursuing this certificate does not override those restrictions and another course or section should be chosen from the Course List.

Course	Title	Credits
Select four courses from the following:		12
ARTS 102	Design Technology and Concepts	
ARTS 245	Typographic Design I	
CSCE 101	Introduction to Computer Concepts	
CSCE 102	General Applications Programming	
CSCE 104	Program Design and Development	
or ITEC 204	Program Design and Development	
CSCE 106	Scientific Applications Programming	
GEOG 105	The Digital Earth	
GEOG 341	Cartography	
GEOG 263	Geographic Information Systems	
ISCI 201	Data, Information & Society	
ISCI 202	Information Literacy and Technology	
ISCI 250	Information Design	
ISCI 301	Text Mining in Big Data Analytics	
ISCI 310	Information Science Data Analysis and Evaluation	
ITEC 264	Computer Applications in Business I	
JOUR 203	Principles of Visual Communications	
JOUR 346	Graphics for Visual Communications	
JOUR 400	Digital Media and Big Data Analysis	
MGSC 290	Computer Information Systems in Business	
MGSC 291	Applied Statistics for Business	
or STAT 301	Statistical Methods for Data Analytics	
PSYC 220	Psychological Statistics	
or SOCY 392	Elementary Statistics for Sociologists	
or STAT 201	Elementary Statistics	
or STAT 205	Elementary Statistics for the Biological and Life Sciences	
or STAT 206	Elementary Statistics for Business	
or STAT 509	Statistics for Engineers	
or STAT 515	Statistical Methods I	
Total Credit Hours		**12**