

DIGITAL STUDIES, 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.

Learning Outcomes

1. Identify methods, concepts and tools to effectively evaluate, visualize, or summarize digital information.
2. Apply digital literacy knowledge, skills, and abilities to create solutions within their own field of study or potential career field.

Admissions Requirements

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

Degree Requirements (12 Hours)

Course	Title	Credits
Select one course from the following:		3
CSCE 101	Introduction to Computer Concepts	
GEOG 105	The Digital Earth	
MART 210	Digital Media Arts Fundamentals	
ISCI 201	Data, Information & Society	
ITEC 101	Thriving in the Tech Age	
Select three courses from the following:		9
CSCE 102	General Applications Programming	
CSCE 104	Program Design and Development	
CSCE 106	Scientific Applications Programming	
CSCE 201	Introduction to Computer Security	
CSCE 207	UNIX System Administration	
CSCE 500	Computer Programming and Applications	
CSCE 567	Visualization Tools	
ITEC 233	Introduction to Computer Hardware and Software	
ITEC 245	Introduction to Networking	
ITEC 264	Computer Applications in Business I	
ITEC 265	Introduction to Databases	
ITEC 362	Introduction to Web Systems	
ITEC 370	Database Systems in Information Technology	
ITEC 560	Project Management Methods	
ISCI 202	Information Literacy and Technology	
ISCI 301	Text Mining in Big Data Analytics	
ISCI 402	Management in Data Driven Organizations	
ISCI 415	Social Issues in Information and Communications Technologies	
ISCI 430	User-Centered Information Architecture	
ISCI 560	Data Visualization	
GEOG 263	Geographic Information Systems	
GEOG 341	Cartography	
GEOG 345	Introduction to Remote Sensing	

GEOG 554	Spatial Programming	
GEOG 563	Advanced Geographic Information Systems	
GEOG 564	GIS-Based Modeling	
MART 262	Digital Compositing	
MART 371	The Moving Image	
MART 380	New Media Art	
MART 571C	Moving Image Advanced: Animation	
Total Credit Hours		12