

DATA SCIENCE & CLOUD CERTIFICATE (GRADUATE)

Overview

As the Information Technology Industry continues to pivot to cloud computing, especially as it relates to data-driven decision making and data analytics, IT leaders are expected to be able to envision, implement, secure and leverage cloud-based data systems to drive organizational success. This 12-credit certificate will enable students to learn how to conduct Big Data analysis with practical, real-world examples using cloud-based labs (through our partner, Amazon Web Services) and learning resources that are designed to provide students with hands-on experience working with data at scale. It will also prepare students to sit for up to three AWS certification exams.

Requirements

Course ID	Title	Credits
CPST 7760	Cloud-based Data Analytics	3
CPST 7770	Cloud-based Machine Learning and Artificial Intelligence	3
Choose 2 of the Following:		6
CPST 7200	Enterprise Application Arch	
CPST 7600	Enterprise Infrastructure Arch	
CSMT 7300	Data & Database Security	
CSMT 7700	Cyber Network & Tele Security	
CSMT 7750	Wireless, Mobile & Cloud Secur	
Total Credit Hours		12

Program String and Field of Study: PACER_GR, CIDC

Contact

For more information, contact the School of Professional Advancement (<https://sopa.tulane.edu/degrees-programs/certificates/graduate/data-science-cloud/>).