Master of Science in Applied Computer Science

SOUTHERN
ADVENTIST UNIVERSITY
Graduate Studies

Computer Science Core Courses   9

CPTR 575	Issues in Computer Science and Religion	3
CPTR 598	Project or Field Practicum	6

Certificate Courses   24

Select two of three certificates:

Cyber Security Certificate
Prerequisite: One year of programming or CPTR 502

CPTR 534	Advanced Network and Server Administration	3
CPTR 544	Offensive Cybersecurity	3
CPTR 545	Defensive Cybersecurity	3
CPTR 554	Cyber Forensics	3

Data Analytics Certificate
Prerequisites: Undergraduate statistics course (equivalent to MATH 215)
One year of programming or CPTR 502

CPTR 512	Programming in Data Analytics	3
CPTR 519	Databases and Data Warehouses	3
CPTR 524	Data Mining and Analytics	3
CPTR 528	Data Visualization	3

Web Development Certificate
Prerequisite: One year of programming or CPTR 502

CPTR 524	Advanced Web Programming	3
CPTR 526	User Experience	3
CPTR 546	Web Services	3
CPTR 519	Databases and Data Warehouses	3
OR CPTR 535	Mobile Application Development	

Total Hours   **33**