

School of Computing

Master of Science in Computer Science

Southern Adventist University's School of Computing has a unique masters program in computer science, when combined with our ABET-accredited undergraduate program can be completed in a total of five years. The program has two emphases: general computer science and embedded systems. This is a general purpose masters degree aimed at improving the typical 4-year graduate's skills and qualifications in the workplace. The courses will be offered in the late afternoon/early evening, thus allowing working students to attend classes. Those having already completed a Bachelor of Science in Computer Science will take two years to complete the program.

Matriculation Options

- 1) Traditional 4 + 2 Option
M.S. in Computer Science degree awarded after two additional years.
No summer coursework required.
- 2) Accelerated 3 + 2 Option
B.S. in Computer Science and M. S. in Computer Science degrees both awarded after five years.
Six hours of summer undergraduate coursework required.
- 3) Accelerated 4 + 1 Option
B.S. in Computer Science degree awarded after four years.
M.S. in Computer Science degree awarded after one additional year.
Twelve hours of summer undergraduate coursework required.

Courses

Core:

CPTR 511	Testing	3 hours
CPTR 531	Algorithms	3 hours
CPTR 541	Adv. Network Security & Cryptography	3 hours
CPTR 553	Advanced Computer Architecture	3 hours
CPTR 571	System Software and Architecture	3 hours
CPTR 575	Issues in Computer Science and Religion	3 hours
	Project/Thesis	6 hours
Electives	From the following list:	9 hours
	Core Total	24 hours

Computer Science Electives:

CPTR 521	Advanced Databases	3 hours
CPTR 551	Parallel & Distributed Computing	3 hours
CPTR 553	Advanced Software Engineering	3 hours

Embedded Electives:

CPHE 546	Robotics and Automation	3 hours
CPHE 554	Advanced Digital Signal Processing	3 hours
CPHE 564	Real-time Embedded Systems	3 hours

