School of Computing

The School of Computing is key to the College of Engineering and Science’s mission of preparing students for all aspects of computing and as part of a university wide emphasis on information technology and high performance computing.

Ph.D. in Computer Science

The Ph.D. in Computer Science is a shared degree program between the Divisions of Computer Science, Human-Centered Computing, and Visual Computing and is designed to offer qualified students the opportunity to engage in innovative research in all areas of computing while also expanding their knowledge in core computer science areas. The Doctoral program normally requires four to six years of study beyond a Bachelor’s degree in Computer Science or two to four years beyond the M.S. degree.* Criteria for gaining the degree will be the student’s grasp of the subject matter of computer science, competency to plan and conduct research, and ability to express ideas adequately and professionally in oral and written language. The Ph.D. prepares you for research and leadership positions in academia, government and industry.

*Please visit www.clemson.edu/ces/computing/current/curr_grad/masters for more information about the masters program.

MFA Digital Production Arts

The M.F.A. in Digital Production Arts (DPA) at Clemson University is a professional degree program aimed at producing technically savvy, artistically talented graduates who are sought after by the growing electronic arts industry, particularly by those companies engaged in visual effects within the entertainment and commercial video, film, and gaming industries. The DPA program requires students to become proficient in both computer science and art. While few students initially possess equal skills in both areas, qualified students should be able to provide evidence of ability, or at least potential in each field. Detailed information about the program is available at www.clemson.edu/dpa

Sample Program for Clemson student pursuing MS CS (Up to 3 Courses from USC):

- CPSC 6620 – Database Management
- CPSC 8400 – Design & Analysis of Algorithms
- CPSC 8280 – Theory of Programming Languages
- CPSC 8700 – Software Design
- CSCE 766 – Scientific Visualization
- CPSC 6040 – Computer Graphics Images
- CSCE 768 – Pattern Recognition
- CPSC 6050 – Computer Graphics
- CPSC 8730 – Software Verification & Validation

Sample Program for USC student pursuing MS CS (Up to 4 Courses from Clemson):

- CSCE 513: Computer Architecture
- CSCE 531: Compiler Construction
- CSCE 750: Analysis of Algorithms
- CSCE 569: Parallel Computing
- CSCE 791: Advances in Computing
- CPSC 6050: Computer Graphics
- CSCE 766: Scientific Visualization
- CPSC 6110: Virtual Reality
- CSCE 768: Pattern Recognition
- CSCE 799: MS thesis (x2)

CSCE = USC; CPSC = Clemson

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