DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science at Virginia Commonwealth University is a dynamic community of scholars dedicated to advancing the field of computer science through innovative research and education. The department offers extensive opportunities for undergraduate and graduate students to engage in cutting-edge research and interdisciplinary collaboration, preparing them to tackle the next generation of technological challenges.

The computer science department provides programs leading to bachelor's, master's, and doctoral degrees in computer science. It also offers an accelerated path from a bachelor's to a master's degree for qualified students.

For undergraduate students, the Bachelor of Science in Computer Science offers a range of specialized courses that prepare them for careers in fields such as software engineering, data science, cybersecurity and more. In contrast, the Bachelor of Arts in Computer Science at Virginia Commonwealth University provides a flexible curriculum that combines a strong foundation in computer science with opportunities for interdisciplinary study.

For graduate students, both thesis and non-thesis master of science programs are offered, as well as a standalone Ph.D. in Computer Science program, which began in Fall 2021. These programs provide research opportunities across key areas including computer systems, medical informatics, artificial intelligence, cybersecurity, software engineering and bioinformatics. Students may also engage in interdisciplinary studies through collaborations with other departments at VCU.

Refer to the department's website (https://egr.vcu.edu/departments/computer/) for more information.

Preetam Ghosh, Ph.D.
Professor and chair

Caroline Budwell, Ph.D.
Associate professor and undergraduate program director

Kostadin Damevski, Ph.D.
Associate professor and graduate program director

Students who complete the requirements for the below will receive a Master of Science in Information Systems Security.

- Computer and Information Systems Security, Master of Science (M.S.) (https://bulletin.vcu.edu/graduate/school-engineering/computer-science/computer-information-systems-security-ms/)

Students who complete the requirements for the below will receive a Doctor of Philosophy in Computer Science.

- Computer Science, Doctor of Philosophy (Ph.D.) (https://bulletin.vcu.edu/graduate/school-engineering/computer-science/computer-science-phd/)

Students who complete the requirements for the below will receive a Master of Science in Computer Science.

- Computer Science, Master of Science (M.S.) (https://bulletin.vcu.edu/graduate/school-engineering/computer-science/computer-science-ms/)

Students who complete the requirements for the below will receive a Master of Science in Data Science.

- Data Science, Master of Science (M.S.) (https://bulletin.vcu.edu/graduate/school-engineering/computer-science/data-science-ms/)

Students who complete the requirements for the below will receive a Certificate in Cybersecurity.

- Cybersecurity, Certificate in (Post-baccalaureate certificate) (https://bulletin.vcu.edu/graduate/school-engineering/computer-science/cybersecurity-certificate/)

Students who complete the requirements for the below will receive a Certificate in Data Science.

- Data Science, Certificate in (Post-baccalaureate certificate) (https://bulletin.vcu.edu/graduate/school-engineering/computer-science/data-science-certificate/)