Students and Degree Programs

The Computer Science Department offers Bachelor of Science (BS), Master of Science (MS), Master of Engineering (MEng), and Doctoral (Ph.D.) degrees in Computer Science. The Department also offers an accelerated BS/MS degree in Computer Science and contributes to several additional degree programs at Virginia Tech, including...

- minors in CS, Cybersecurity, and Human-Computer Interaction (HCI).
- the BS in Computational Modeling & Data Analytics (CMDA).
- the PhD in Genetics, Bioinformatics & Computational Biology (GBCB).
- the online Masters of Information Technology (MIT).

Faculty and Staff

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>81 total</td>
<td>9 research scientists and post-docs</td>
</tr>
<tr>
<td>63 tenured/tenure-track (25 full, 13 assoc, 25 asst)</td>
<td>19 courtesy/affiliate faculty</td>
</tr>
<tr>
<td>4 chaired professors</td>
<td>18 administrative and support staff</td>
</tr>
<tr>
<td>11 collegiate faculty</td>
<td>16 administrative professional faculty</td>
</tr>
<tr>
<td>2 professors of practice</td>
<td></td>
</tr>
<tr>
<td>5 instructors</td>
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</tbody>
</table>

Research Centers

- Center for Human-Computer Interaction (CHCI)
- Sanghani Center for AI & Data Analytics (SCAIDA)
- STACK@VT (systems research)
- Center for Synergistic Environments for Experimental Computing (SEEC)

Research Strengths and Impacts

The Computer Science Department supports highly productive faculty with a strong tradition of interdisciplinary research.

- Computational Biology & Bioinformatics
- Data Analytics, Machine Learning, & NLP
- Digital Education
- HPC & Computational Science
- Human Computer Interaction
- Theory & Algorithms
- Security
- Software Engineering
- Systems
- Quantum Computing

The Computer Science Department at Virginia Tech...

- offers graduate programming in the Metro D.C. area with campuses in Falls Church and Arlington that include 14 faculty, 6 staff, and more than 300 graduate students.

Leadership

- is the leading participant in Virginia Tech's new Innovation Campus, under construction in Alexandria, VA.

Partnership

enjoys a strong industrial partnership program with more than 45 companies. Benefits of this partnership include: fall & spring career fairs exclusively for CS undergraduate and graduate students; student engagement with experiential learning opportunities; and sponsorships for capstone learning projects.

Inclusivity

is committed to diversity and inclusion and seeks to recruit and retain the most qualified individuals in the field. Since 2007, the percentage of undergraduate students identifying as female rose from 4% to 18%, and the number of female faculty has more than doubled.

Learn more about the Virginia Tech Department of Computer Science at cs.vt.edu