ADMISSION REQUIREMENTS

<table>
<thead>
<tr>
<th>Degree Level</th>
<th>Previous Degree</th>
<th>Recommended GPA</th>
<th>Additional Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Engineering</td>
<td>Bachelor of Science</td>
<td>3.0/4.0</td>
<td>Virginia Tech Graduate School Application Form</td>
</tr>
<tr>
<td>Master of Science</td>
<td>Bachelor of Science</td>
<td>3.3/4.0</td>
<td>Official Transcripts</td>
</tr>
<tr>
<td>Direct PhD</td>
<td>Bachelor of Science</td>
<td>3.5/4.0</td>
<td>Three (3) Recommendation Letters</td>
</tr>
<tr>
<td>PhD</td>
<td>Master of Science</td>
<td>3.5/4.0</td>
<td>A Resume and a Statement of Purpose</td>
</tr>
</tbody>
</table>

RECOMMENDED MINIMUM TEST SCORES

<table>
<thead>
<tr>
<th>Test</th>
<th>Score</th>
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<tbody>
<tr>
<td>GRE Verbal (V)</td>
<td>153</td>
</tr>
<tr>
<td>GRE Quantitative (Q)</td>
<td>157</td>
</tr>
<tr>
<td>GRE Writing (W)</td>
<td>4.5</td>
</tr>
<tr>
<td>TOEFL Internet-Based</td>
<td>96-97</td>
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<tr>
<td>TOEFL Computer-Based</td>
<td>Total 243</td>
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<tr>
<td>TOEFL Paper-Based</td>
<td>Total 590-593</td>
</tr>
<tr>
<td>IELTS Band</td>
<td>Total 7.5</td>
</tr>
</tbody>
</table>

Financing Your Graduate Studies
Students pursuing their CPE or EE graduate degrees are often supported by a Graduate Research Assistantship (GRA), Graduate Teaching Assistantship (GTA), or a Fellowship. A monthly stipend, full tuition, fees (except comprehensive & capital), and the majority of medical insurance are paid by these assistantships.

The majority of CPE and EE graduate students are supported on GRA. Applicants are encouraged to contact our ECE faculty to identify mutual interest in specific research programs.

Direct Ph.D.
Highly qualified applicants without a masters degree who wish to apply to the Ph.D. program must apply for the direct- Ph.D. program.

Graduate Admission Key Dates & Deadlines

Fall Admission:
- December 31st – Last day for all applicants to apply to be considered for funding
- January 15th – Last day for international applicants to apply
- July 1st – Last day for domestic applicants to apply

Spring Admission:
- September 1st – Last day for all applicants to apply to be considered for funding
- September 1st – Last day for international applicants to apply
- December 1st – Last day for domestic applicants to apply
The Department’s research funding reaches typically more than $30 million yearly and efforts are dedicated to extending the base of knowledge, developing and transferring technology in support of the state’s and the country’s industrial activity, and providing students with experience in cutting edge pursuits in the field.

Serving the citizens of Virginia, the nation, and the world by developing and transferring electrical and computer engineering knowledge that will improve the quality of people’s lives.

ECE Research Groups

- Center for Power Electronics Systems (CPES)
  www.cpes.vt.edu
- Future Energy Electronics Center (FEEC)
  www.feece.ece.vt.edu
- Center for Power and Energy (CPE)
  www.ece.vt.edu/ppe
- Center for Power Electronics Systems (CPES)
  www.cpes.vt.edu
- Future Energy Electronics Center (FEEC)
  www.feece.ece.vt.edu
- Center for Power and Energy (CPE)
  www.ece.vt.edu/power
- Wireless@VT
  www.wireless.vt.edu
- Center for National Security and Technology
  www.cnst.icts.vt.edu
- Center for Embedded Systems for Critical Applications (CESCA)
  www.cesca.centers.vt.edu
- Multifunctional Integrated Circuits and Systems Group (MICS)
  www.mics.ece.vt.edu
- Configurable Computing Lab (CCL)
  www.ccm.ece.vt.edu
- Computational Bioinformatics & Bio-imaging Laboratory (CBI)
  www.cbil.ece.vt.edu
- Microelectronics, Optoelectronics and Devices (MODE) Group
  www.micron.ece.vt.edu
- Center for Space Science and Engineering Research (Space@VT)
  www.space.vt.edu
- Virginia Center for Autonomous Systems (VaCAS)
  www.unmanned.vt.edu

Focus Research Areas

When you apply to our graduate program, you will select one or more of the following Research Focus Areas:

**Electrical Engineering**
- Autonomous Systems
- Communications
- Control Systems
- Electromagnetics
- Photonics and Optics
- Power and Energy Systems
- Power Electronics
- Semiconductors and Microelectronics
- Signal Processing
- Space Science and Engineering

**Computer Engineering**
- Configurable Computing
- Embedded and Secure Systems
- Machine Perception
- Mobile, Cloud and Pervasive Computing
- Networks and Cybersecurity
- Neuroimaging Methodology and Analysis
- Software Systems
- Systems Biology and Bioinformatics
- VLSI & Design Automation

**Degree Options**
- Master of Science
  32 credit hours and thesis required
- Master of Engineering
  32 credit hours and project and report required
- Ph.D.
  92 credit hours beyond baccalaureate, dissertation and defense required

Located on 2,600 acres in the town of Blacksburg, Virginia Tech is home to world-class faculty, dynamic collaborations, groundbreaking research, and a friendly community of Hokies committed to service and academic excellence.

Aerial view of the Virginia Tech Campus.