



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

School of Computer Science and Engineering

B.Tech. Computer Science and Engineering with Specialization in Cyber Security

About the Programme

The B.Tech. Computer Science and Engineering with Specialization in Cyber Security programme aims to offer the students an opportunity to expand their skills in computer science and Cyber Security by offering various programming courses based on industry requirements, and core courses like data structures, database systems, computer architecture, operating systems, computer networks, programming in cybersecurity, cryptography and network security. In addition, specializations courses in Cyber Security such as malware analysis, digital forensics, AI in cyber security, cybercrime and incident response, system security, blockchain, cyber threat intelligence are also offered to meet the market demands.

Scope of Employment

The graduates get a good placement opportunity in IT firms and corporates with designations like Software Engineer, System Analyst, Network Administrator, Information System Manager, cyber Security Analyst, Penetration Tester, Threat Analysts, Security Software Specialist, Cyber Threat Responder and many more in various leading software companies like Deloitte, D.E.Shaw, TCS, Prodapt, Wipro, CTS, Infosys, Hexaware and Accenture.

Programme Highlights

- ❖ Domain-specific elective courses to shape unique career paths.
- ❖ Industrial internships to gain more exposure to industrial standards and recent trends.
- ❖ Students are provided with advanced laboratory infrastructures such as Cyber Security, Robotics, Cyber Physicals Systems, Augmented Reality & Virtual Reality, Advanced Drone Automation and Precision Technology and much more. The laboratories are equipped with GPU-enabled i7 workstations.
- ❖ Guidance to undertake challenging industry and research projects to meet society's requirements.



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CHENNAI

School of Computer Science and Engineering

Offers

Bachelor of Technology in

Computer Science and Engineering (Cyber Security)

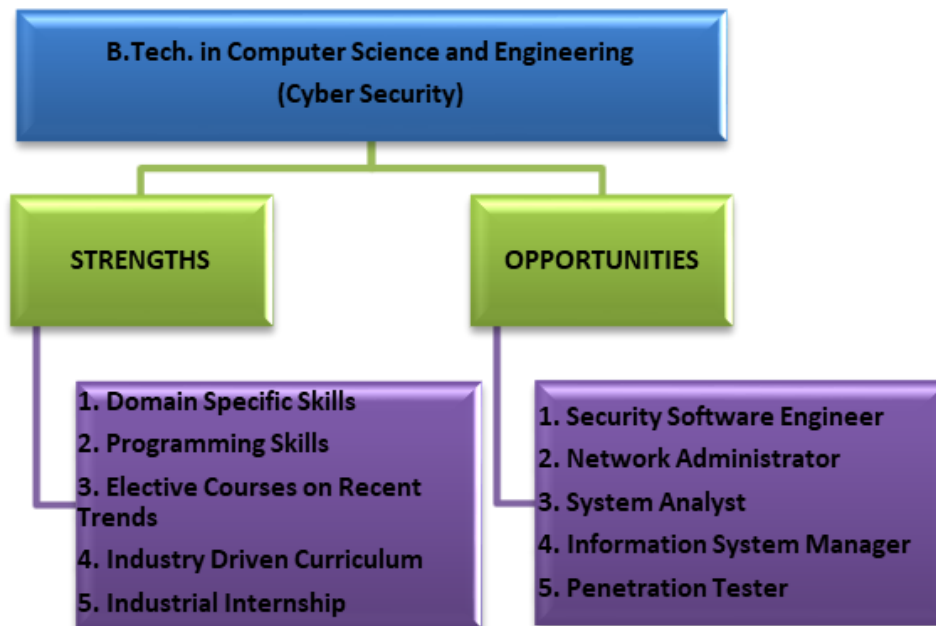
B.Tech. in Computer Science and Engineering (Cyber Security)

Computer science with Cyber Security graduates is employed in almost all domains. As technology develops faster than ever before, it is the need of the hour to generate skilled graduates who are well-equipped with modern computing techniques. The graduates get a good place at IT firms and corporates with designations like secure software developers, penetration tester, system analysts, threat analysts, and much more. This programme aims to offer the students the opportunity to expand their skills in computer science and to cater the needs of industry and higher education with a focus on meeting the industry's requirements.

Programme Highlights

- Students develop essential skills to analyze, design and evaluate high-end computing systems.
- Hands-on experience in various programming skills as per Industry demands.
- Domain-specific elective baskets to shape unique career paths.
- The elective courses in each basket provide flexibility to advance your knowledge in the domain.
- Specialized Cyber Security domain elective basket courses are offered, preceded by foundation and core courses.
- Students also learn social and leadership skills such as communication, collaborative teamwork, and creative problem-solving which are essential in any industry to have a successful career.
- Industrial internships to gain more exposure to industrial standards and recent trends.
- Students are provided with the advanced infrastructure and guidance to undertake challenging industry and research projects to meet society's requirements also.

- As a graduate of this programme, students will have the skills and experience to take advantage of the Industrial demands and pursue higher studies.



Scope of Employment

The role of technical experts in emerging technologies continues to increase in IT-enabled Service Sectors.

- This program enables the graduates to place in different roles like Software Engineer, System Analyst, Network Administrator, Information System Manager, Cyber Security Analyst, Penetration Tester, Threat Analysts, Security Software Specialist, Cyber Threat Responder
- Placement opportunities in leading software companies.



Eligibility Criteria and Qualifying Examination

Applicants applying for UG Engineering admission should have either completed or shall be appearing in 2024, in any one of the following qualifying examinations:

- The final examination of the 10+2 system of higher secondary examination conducted by the State Board; Central Board of Secondary Education (CBSE, New Delhi), The Council for Indian School Certificate Examination (ISCE), New Delhi.
- Intermediate or Two-year Pre-University Examination conducted by a recognized Board/ University.
- High School Certificate Examination of the Cambridge University or International Baccalaureate Diploma of the International Baccalaureate Office, Geneva. (Physics & Mathematics - HL, Chemistry - SL)
- General Certificate Education (GCE) examination (London/Cambridge/Srilanka) at the Advanced (A) level.
- Regular 'NIOS' board candidates are also eligible for Undergraduate Engineering programmes. Applicants should produce the Migration Cum Transfer Certificate at the time of joining.
- Applicants who have completed the Class 12 (or equivalent) examination outside India or from a Board not specified above should produce a certificate from the Association of Indian Universities (AIU) to the effect that the examination they have passed is equivalent to the Class 12 Examination with grade/CGPA converted to percentage

Refer the prospectus for more details: <https://vit.ac.in/files/VITEEE-2024-information-brochure.pdf>

VIT - A place to learn; A chance to grow