



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)
CHENNAI

School of Advanced Sciences offers

Bachelor of Science Mathematics and Computing



NO ENTRANCE EXAMINATION
Admission based on 12th Board Marks

VIT – In the top 401-450 in Chemistry and in the top 451-500 in Mathematics of the QS World University Rankings by Subjects

VIT – Recognised as Institution of Eminence (IoE) by Government of India

For more information, visit: chennai.vit.ac.in

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Vellore Institute of Technology (VIT)

VIT has made a mark in the field of higher education in India by providing quality education on par with international standards, through its 37 years of existence in a cross-cultural ambience with extensive application-oriented research. VIT was founded in 1984, as a self-financing institution called Vellore Engineering College by Dr. G. Viswanathan, a former parliamentarian and minister in the Tamil Nadu Government. Since then, the institution has grown by leaps and bounds. Conferred as deemed to be university in 2001 by MHRD, VIT currently offers UG, PG and Research programmes to over 52,000 students in its four campuses at Vellore, Chennai, Bhopal and Amaravati.

VIT Chennai

VIT Chennai is a globally engaged, competitive, comprehensive and research-enriched university campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic and environmental demands and challenges. It has been a pioneer in the transformation of higher education in the country by introducing application-based learning to produce industry-ready professionals. The campus has a cosmopolitan atmosphere with students from all parts of the globe.

The VIT Chennai Edge

Awards and Approvals	Amenities
<ul style="list-style-type: none">• UGC, AICTE and BCI approved programmes.• NAAC re-accreditation with 'A' grade.• Recognized as an Institution of Eminence (IoE) by the Govt. of India.• No. 1 Private University for Innovation as recognized by ARIIA, Govt. of India.• Ranked among the Top 3% of the world's universities by QS Global World Rankings.• Ranked among the top 201-300 universities in the world by THE World Rankings.• Among the top 401-450 universities in the world for Chemistry and in the top 451-500 universities for Mathematics of the QS World Rankings by Subject.• Adjudged as the University of the year (2016), Excellence in Faculty (2017) Excellence in Internationalization of Education (2018) and Excellence in Research Ambience (2019) by FICCI.• Among the top 9 institutions of India in Shanghai World Universities Ranking 2020.• VIT Chennai has been awarded as Global rated Green Campus by IGBC.	<ul style="list-style-type: none">• 185 acres of sprawling eco-friendly campus• Well-furnished hostels, designed with spacious and spotlessly maintained dining halls• Self-sufficient facilities include well-lit roads, Canteen, Chat and Bakery Food Courts, Supermarket, Bank and ATMs• Health Centre operating 24/7 addresses all the health needs of students, faculty and staff members• State-of-the-art sports facilities for indoor and outdoor games• State-of-the-art gymnasium, world class auditorium and modern swimming pool in the campus.

School of Advanced Sciences (SAS)

The School of Advanced Sciences comprises three major divisions namely Physics, Chemistry, and Mathematics. The school offers a plethora of core and elective courses facilitating B.Tech., M.Tech., M.Sc., MCA, Management and Law programmes. The curriculum, which is developed on par with the international standards, keeping in mind the current industrial needs is being supported by the state-of-the-art laboratories to provide hands-on experience, giving an opportunity to test, experiment and implement theoretical concepts discussed in the classrooms. The faculty are engaged in active research in frontier areas.

Programmes offered	B.Sc. - Mathematics and Computing* B.Sc. - Double Major* M.Sc. - Data Science M.Sc. - Physics M.Sc. - Chemistry Ph.D. - Full Time / Part Time (* from the academic year 2021-22)
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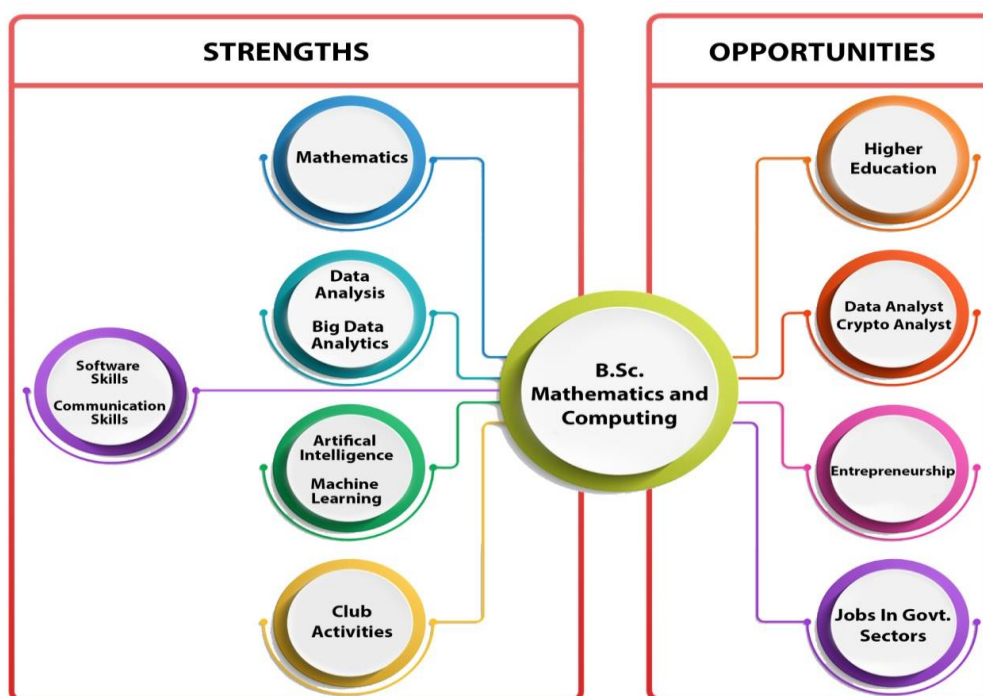
B.Sc. - Mathematics and Computing

This programme aims to offer the students with the opportunity to cultivate confidence and skills in mathematics and computing to cater to the needs of industry and higher education with focus on innovation.

Programme Highlights

- Gain the best of the complementarity of the two fields - Mathematics and Computing
- Appreciate the computing fundamentals with a concrete foundation in Mathematics
- Strengthen both problem-solving and analytical abilities

- Master a variety of programming skills – C++, Python, SageMath and R
- Use computing knowledge to solve complex mathematical problems
- Choose flexibly from a basket of electives to craft unique career paths
- Gain solid foundation in applying mathematical concepts in Data Science, Artificial Intelligence, Finance and others.
- Master techniques to develop software solutions
- Undertake industry internships
- Pursue independent research in niche areas



Eligibility Criteria

A pass in Science stream with minimum overall aggregate of 60% with Mathematics as one of the subjects in the qualifying examination mentioned below.

Qualifying Examination

- 10+2 system of Higher Secondary Examination conducted by the State Board or Central Board of Secondary Education (CBSE, New Delhi) or The Council for Indian School Certificate Examination (ISCE, New Delhi) or Intermediate or Two-year Pre-University Examination conducted by a recognized board/university or its equivalent examination
- NIOS Board and Open schools recognised by JEE
- Students who have appeared for their 12th finals and awaiting results are also eligible to apply, subject to submission of transcripts along with other documents by the notified date.

VIT - A place to learn; A chance to grow