



VIT[®]

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

Admission to Integrated M. Sc. Programmes 2019-20

Biotechnology



INFORMATION BROCHURE

A place to learn; a chance to grow















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1. Introduction

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the **Chancellor Dr. G. Viswanathan**. VIT now has 34,000 students from 54 different countries and from all the states of India. It houses the rich expertise of 1700+ faculty members and 190 foreign adjunct professors. It has signed more than 230 MoUs with academic and research institutions in India and abroad, and has made connection with 1000 industry partners. VIT thus, has established a right culture of diversity and inclusivity in the campus; it welcomes unconventional thoughts, cross fertilization of ideas, autonomy, multi and transdisciplinary approaches. VIT has published the highest number of research papers in India as per Scopus Database in 2016, 2017 and 2018.

Credentials of VIT - Accreditations / Rankings / Ratings

 <p>NIRF (National Institutional Ranking Framework)</p> <ul style="list-style-type: none"> • No. 16 in Engineering Institution - 2018 • No. 16 in University Category - 2018 • No. 29 in Management Institution - 2018 • No. 1 Among private players for 3 consecutive years 	 <p>QS RATING 2016</p> <ul style="list-style-type: none"> • 4 STAR overall Rating in 2016 • Got 5 STAR Rating for 5 Sub Categories (Teaching, Employability, Facilities, Innovation and Inclusiveness) • First University in India to get QS 4 Star Rating
 <p>NAAC (National Assessment and Accreditation Council)</p> <ul style="list-style-type: none"> • Accredited in 2015- A grade • Accredited in 2009- A grade • Completed 3 Cycles of Accreditation 	 <p>THE WORLD and ASIA UNIVERSITY RANKINGS</p> <ul style="list-style-type: none"> • Ranked in the Top 801-1000 in 2018 (World Ranking) • Ranked in the Top 251-300 in 2018 (Asia Ranking)
 <p>ABET (Accreditation Board for Engineering and Technology), USA</p> <ul style="list-style-type: none"> • 3 Times Accredited • 10 B.Tech Programs – Vellore Campus • 4 B.Tech Programs – Chennai Campus 	 <p>QS BRICS UNIVERSITY RANKING</p> <ul style="list-style-type: none"> • Ranked in the Top 201 - 250
 <p>IET (The Institution of Engineering and Technology), UK</p> <ul style="list-style-type: none"> • Accredited in 2005 	 <p>THE WORLD Young UNIVERSITY RANKING</p> <ul style="list-style-type: none"> • Ranked in the Top 201 - 250
 <p>NBA (National Board of Accreditation)</p> <ul style="list-style-type: none"> • Accredited in 2009 • Accredited in 1998 	 <p>QS I-GAUGE</p> <ul style="list-style-type: none"> • Got DIAMOND University Rating in 2018
 <p>FICCI (Federation of Indian Chambers of Commerce & Industry)</p> <ul style="list-style-type: none"> • "Excellence in Faculty" - 2017 • "University of the Year" - 2016 	 <p>ACBSP (The Accreditation Council for Business Schools and Programs), USA</p> <ul style="list-style-type: none"> • VITBS is fully Accredited for 10 years from 2017
 <p>UGC graded autonomy in 2018 Government endorsed recognition for VIT</p>	 <p>ACCA (Association of Chartered Certified Accountants, UK)</p> <ul style="list-style-type: none"> • <u>BBA Programme</u> is Accredited from 2017

VIT has introduced many **innovations** in academic processes which adds value to every student. **FFCS** (Fully Flexible Credit System), **PBL** (Project Based Learning) for better learning, **fully digitized** academic portals that assists students in equipping themselves for 2020 market place. **Hackathons / Makeathons** as part of curriculum exercise which kindles the interest and the curiosity of students, which moulds them to be better problem solvers. **8th module in every subject being handled by industry experts**, make the students contextualize the concepts they study in the classroom. These are a few of the innovations that VIT has introduced.

The following is the programme open to admission for the Academic year **2019-2020**

2. About the programme

Aforementioned programme has been designed to cater to the ever-increasing needs of scientific manpower in the area of biotechnology. Students after 10 + 2 are admitted into this programme and groomed as high quality professionals in the areas of Biotechnology. This programme gives 5 years learning period with specialization in biotechnology.

Objectives

- To provide students with a right combination of basics in subjects such as Physics, Mathematics, Computer and Biology.
- To equip students with a thorough knowledge of biological sciences such as Cell Biology, Biochemistry, Microbiology, Molecular biology, Food production, antibiotic manufacture, vaccine development and environment management etc.
- To impart good knowledge in the principles behind Genetic engineering, Plant, Animal, and Microbial biotechnology.
- To equip students with practical knowledge in genetic engineering related subjects.

Scope for Employment

A career in the field of biotechnology and bioscience industries, laboratories, research and teaching institutes. Innovative students can take up entrepreneurship related to Biotechnology as well.

Programme Content

Core Courses

Biochemistry / Cell biology / Genetics / Microbiology/ Molecular biology / Bioprocess Technology / Immunology/ Immunotechnology / Enzyme Technology / Analytical Instrumentation / Pharmaceutical Biotechnology / Genetic Engineering / Food Biotechnology.

Elective Courses

Advanced Biochemistry / Biological Spectroscopy / Tissue Engineering / Bioresource Management / Environmental Health / Gene Therapy / Vaccinology / Neurobiology / Animal Biotechnology / Plant Biotechnology.

Placement Record

Because of our industry based curriculum and strong network with industries, our students got placed in highly reputed and leading biotech companies with the CTC of 2.4 to 8.5 lakhs/ annum. The companies like Biocon, Dr.Reddys, Anthem Biosciences, Advinus Therapeutics, Akash Institute, Cerener, HUL, Intas Pharma, Jodas Pharma, Advanced Microdevices, Zifo Technologies, Novonordisk, Quintiles, Bhat Biotech, TUV SUD labs, Charoen Pokphand Foods (CPF), Panacea Biotech, Organica Biotech, Pfizer, Orchid, Microtherapeutics regularly recruit our students.

Further details on the courses may be obtained from <http://www.vit.ac.in/academics/schools/sbst/courses>.

3. PROGRAMME OFFERED, ELIGIBILITY & FEES**3.1. Nationality**

- ◆ The applicants for admission should be a **Resident Indian National** and should have studied in **regular, full time and formal education** schools located in India in the preceding two years.

PROGRAMMES	ELIGIBILITY	FEES (INR) (1-5 years)
Integrated M.Sc. (Biotechnology) (5 years)	A pass in Higher Secondary Examination conducted by the State / Central Board of Secondary Education or its equivalent examination with Physics, Chemistry, Biology or Botany / Zoology as subjects with a minimum of 60% overall aggregate . Age Limit : Date of Birth falls on or after 01.07.1999	75,000

(Caution Deposit Rs.2000/- refundable for 1st year only)

- ◆ **NRI/ Foreigners** should apply separate application link: <http://vtop2.vit.ac.in:8080/PGNRIAPP/>

Fees of the program is **\$3500** per year.

Note:

- ◆ The qualification criteria is relaxed by 10 % i.e. 60% in Overall Aggregate for applicants belong to SC/ST and applicants hailing from Jammu & Kashmir and the North Eastern states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura.
- ◆ Applicants belonging to SC/ST category must fill in the proforma as given in Appendix-II and have it attested by a competent authority (The list of authorities empowered for the same is given in Appendix-II.)
- ◆ Applicants hailing from Jammu & Kashmir and the North Eastern states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. They should fill in the Nativity Certificate given in Appendix-I.
- ◆ Applicants from NIOS / Correspondence mode are eligible.

4. Admission procedure

- ◆ Applicants will be called for counselling in the order of merit based on the aggregate of marks (rounded to 2 decimal points) secured overall subjects in the +2 / Higher Secondary Examination.
- ◆ In case the aggregate is same, the order of merit will be decided based on the best scores in Physics, Chemistry, Biology or Botany / Zoology sequentially and in case of tie, the age i.e. older applicants are given priority.

4.1 Online application

Cost of Application Rs.500/-. (Including GST)

- ◆ The online application is available in the website: <http://www.vit.ac.in/admissions/pg>
- ◆ The printout of online application should be sent to **The Director, PG Admission, Vellore Institute of Technology, Vellore-632014, Tamil Nadu**, with the Required Documents (photo copy only) on or before 31.05.2019 as under:

Required Documents	<ul style="list-style-type: none"> ◆ Class-X mark sheet as a proof of date of birth ◆ Class-XII mark sheet of Qualifying Examination of all attempts (please ensure that you also enclose the reverse side of the marks sheet containing details.) ◆ Migration / Transfer / School Leaving Certificate (If available) ◆ Community Certificate (Only for SC / ST categories) ◆ Nativity Certificate (Only for North Eastern States)
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- ◆ Application forms received without the required documents will be summarily rejected.
- ◆ Last date to apply and edit online **29.05.2019**
- ◆ Last date to send the filled-in application form with supporting documents **31.05.2019**.
- ◆ Application forms received without mark statements will be summarily rejected.
- ◆ Any application received after the due date will not be accepted.
- ◆ **The Institute will not be responsible for any postal delay, irregularity or loss in postal transit.**

5. COUNSELLING / INTERVIEW

- ◆ Tentative date for Counselling **14.06.2019**
- ◆ The **Required Documents in originals** are needed for verification (If not given already, a set of photocopies may be provided)
- ◆ It is mandatory to bring **Rs. 12,000/-** as Demand Draft drawn in favour of **“Vellore Institute of Technology”**, Payable at **Vellore**.
- ◆ This fee includes counseling fee **Rs.6000/-** (which is **Non Refundable**) and Rs. 6000/- advance fee which will be refunded on cancellation of admission.
- ◆ The counselling fee and advance fee will be adjusted against tuition fee on joining the programme.
- ◆ Applicants without the DD for the said amount will not be permitted to attend the counselling / interview.
- ◆ More than the required number have been called for counselling hence more participation in counselling does not guarantee admission.
- ◆ Allotment of seat for a programme once made is final and cannot be changed under any circumstances.
- ◆ If the applicant fails to qualify in the prescribed qualifying examination, the provisional admission accorded will stand cancelled and the fee remitted will be forfeited .

6. DOCUMENTS TO BE SUBMITTED AT THE TIME OF ADMISSION

The following documents are required to be submitted at the time of Admission:

- ◆ If not given the **Required Documents**, at the time of online application submission / counselling, a set of photocopies must be submitted.
- ◆ Migration / Transfer / School Leaving Certificate (Original)
- ◆ Conduct Certificate (Original)
- ◆ Copy of Provisional Admission Letter.
- ◆ 4 no's of recent passport size colour photographs
- ◆ Affidavit - Student and Parents http://www.vit.ac.in/files/admissions/Affidavit_Student.pdf
- ◆ Student Profile <https://vtopbeta.vit.ac.in/studentprofile/>
- ◆ Physical Fitness http://www.vit.ac.in/files/admissions/PhysicalFitness_Certificate.pdf
- ◆ Balance Fees to be submitted in the mode of Demand Draft (Original) / online payment.
- ◆ An undertaking for good conduct and behavior in a prescribed form issued by the Institute at the time of admission to be submitted in originals to the Admissions Office.

7. GENERAL DISCIPLINE

- ◆ All applicants admitted to the Institute shall maintain good conduct, pay the requisite tuition fees and other charges by the due dates, attend their classes regularly and abide by the rules and regulations of the Institute.
- ◆ If at any point of time, if the conduct and character of an applicant is not satisfactory or is of suspicious nature, the Management reserves the right, without assigning any reason, to make him /her vacate the hostel or expel him/her from the Institute.

7.1. MEASURES FOR PREVENTION OF RAGGING AT THE INSTITUTION LEVEL:

- ◆ Ragging is totally prohibited in the institution and anyone found guilty of ragging and / or abetting ragging, whether actively or passively, or being a part of a conspiracy to promote ragging, is liable to be punished in accordance with the regulations as well as under the provisions of any penal law for the time being in force.
- ◆ Ragging Juniors in any form is forbidden. If anyone is found ragging his/her juniors, he/she can be rusticated from the Institute.
- ◆ It is mandatory that Applicants and parents who are attending interview has to sign an undertaking in ₹20 non-judicial stamp paper as per the information given in Annexure-I & II (as per UGC Regulations-2009, www.ugc.ac.in).

8. HOSTEL ACCOMMODATION

Separate hostel accommodation is available for boys and girls.

- ◆ Hostel accommodation will be provided only to those Applicants whose residence is beyond 100kms radius from the Institute.
- ◆ For details regarding Establishment Charges, Mess, etc., please visit VIT website www.vit.ac.in

8. Admission Cancellation Process / Refund of Fees:

The refund will be made as per the norms of the UGC and Institute guide lines.

8.1. Academic Cancellation:

- ◆ Collect the Application for Cancellation of Admission in Office of PG Admissions.
- ◆ Collect the No Dues Certificate Form from Office of PG Admissions.
- ◆ Submit original Provisional Admission Letter
- ◆ TC will be given only if original Migration / Transfer / College Leaving Certificate has been submitted.

8.2. Hostel Cancellation: (Documents to be submitted in the concerned Hostel Office)

- ◆ Write an application with Parent Signature.
- ◆ Collect the No Dues Certificate Form from concern Hostel Office.
- ◆ Hostel Admission Letter

Refund will be given tentatively in two weeks time from the date of initiation of withdrawal by PG Office.

APPENDIX – I

Nativity Certificate

(For applicants from Jammu & Kashmir and North Eastern States)

Certified that Mr. / Ms. an applicant for admission to PG Degree Programme in in the year, son / daughter of Shri. / Smt residing at..... in District of State is a native of State.

Signature of Tahsildar or Revenue Authority

Name :

Designation :

Place :

Date :

Office Seal

APPENDIX – II

COMMUNITY CERTIFICATE (FOR SC / ST ALONE)

Certified that Mr. / Ms. an applicant for admission to PG Degree Programme in
 in the year, son / daughter of Shri. / Smt
 residing at..... in
 District of belongs to the
 Caste/Tribe.

Which is recognized as a Scheduled Caste / Scheduled Tribe under the Constitution (Scheduled Castes) Order 1950 / The Constitution (Scheduled Tribes) Order, 1950, as amended by the Scheduled Castes and Scheduled Tribes |Orders Amendment Act, 1976.

Signature of Competent Authority

Name :

Designation :

Place :

Date :

Office Seal

Authorities empowered to issue Scheduled Caste / Scheduled Tribe Certificate

District Magistrate / Additional District Magistrate / Collector / Deputy Collector / Deputy Commissioner / 1st Class Stipendiary Magistrate / City Magistrate / Sub-Divisional Magistrate / Taluk Magistrate / Executive Magistrate / Extra Assistant Commissioner. Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate Revenue Officer Not below the rank of Tahsildar Sub-Divisional Officer of the area where the applicant and / or his family normally resides.

IMPORTANT DATES:

Last date to apply online	29 th May 2019
Last date to edit application form	29 th May 2019
Last date to receive filled application with enclosures	31 st May 2019
Publication of short listed applicants (Tentative)	05 th June 2019
Tentative date for Counselling	14 th June 2019
Last Date of Payment of balance fees	03 rd July 2019
Orientation Program	10 th July 2019
Commencement of classes	10 th July 2019

For further details contact:

Director PG-Admissions Vellore Institute of Technology Vellore –632 014, Tamil Nadu, INDIA Phone: +91-416 220 4600 Fax: +91-416 224 5544, 224 9955 Email: pgadmission@vit.ac.in	Deputy Director (Hostels) or Chief Warden Men's Hostels / Ladies Hostel Vellore Institute of Technology Vellore –632 014, Tamil Nadu, INDIA
	Men's Hostel Phone: +91-416-2202528, 2202028, 2202127 Fax: +91-416 2244705 Email: cw.mh@vit.ac.in
	Ladies Hostel Phone: +91-416 2202710 Fax: +91-416 4207074 Email: cw.lh@vit.ac.in

LEGAL JURISDICTION

All suits and actions arising out of or relating to Vellore Institute of Technology, Vellore shall be instituted within the jurisdiction of courts at Vellore, Tamil Nadu only. The Registrar of the Institute shall be the legal person in whose name the Institute may sue or be sued.