



Admissions Brochure

2024-25

Silicon University

Silicon Hills, Patia, Bhubaneswar – 751024

Message from the Vice-Chancellor



Welcome to Silicon University.

Silicon was established in 2001 as Silicon Institute of Technology, with the objective of providing value-based technical education. It has carved a unique niche place for itself in the academic map of India, and its prowess is now well known.

We have achieved some significant milestones over the past two decades; before we became a University, we were an Autonomous Institute having been granted academic autonomy by UGC in May 2018. We were ranked within the top 200 Engineering Institutes in India for three consecutive years by NIRF till 2022 and three of our UG programs in CSE, ECE and EEE are accredited by NBA. Silicon is also accredited by NAAC with a Grade A.

We adhere to a 5L Quality Policy of Lectures, Laboratory, Library, Learning, and Leadership. Qualified and experienced faculty is supported by a well-equipped digital library and numerous laboratories for Applied Sciences and Engineering.

Academics is of paramount importance to us, and we try and make the education here as learner-centric as possible. The teacher here plays the role of a guide, counselor, mentor and facilitator.

We have a unique Practice School Program in the final year of the B.Tech. program. This is an innovative internship concept in undergraduate engineering education; it creates a bridge between conventional classroom learning and gaining valuable real-life experience in an industry or research organization.

Our students have done exceptionally well in co-curricular and extracurricular activities. These include state and national level quiz and debate competitions, intercollegiate sporting activities and in government sponsored programs like the Hackathon. Our outstanding academics typically result in excellent placement statistics for us. A vast majority of our students get employed before they graduate, and a good number of them with significantly enhanced pay packages.

To summarize, we at Silicon Institute of Technology believe in a student-centric approach to education, creating both a competent professional and a well-rounded person who can contribute meaningfully to society. We believe that we produce good engineers and scientists, who are also good human beings. Come join us!

CONTENTS

CONTENT DETAILS	PAGE
1. Introduction	4
2. Programs Offered	4
2.1. Undergraduate (Regular) Admissions	
2.2. Undergraduate (Lateral Entry) Admissions	
2.3. Integrated MCA (iMCA) Admissions	
2.4. Postgraduate Admissions	
2.5. Ph.D Opportunities	
3. Eligibility Criteria	6
3.1. Undergraduate Admissions	
3.2. Postgraduate Admissions	
3.3. Research Programs	
4. Selection Criteria	8
4.1. Silicon University Admission Test (SUAT)	
5. Reservation Policy	9
6. Admission Calendar	10
7. List of Documents Required	10
8. Cancellation Policy	11
9. Discontinuance/Withdraw from Program after Enrollment	12
10. Refund Policy	12
11. Scholarship Opportunities	12
11.1. B.Tech. (Regular) courses	
11.2. M.Tech. courses	
11.3. MCA course	
11.4. M.Sc. courses	
12. Education Loan Assistance	13
13. Hostel Facilities	14
14. Transport Facilities	14
15. Fee Structure	14

1. INTRODUCTION

Silicon University, Odisha initially started as a degree level engineering college named as Silicon Institute of Technology (SIT) in the year 2001. Since its inception, it combines a commitment to providing the best engineering education with supporting India's development in science and technology through rigorous academic programs, promoting fundamental and applied research, and fostering innovation and entrepreneurship. It is known for its community of reputed and dedicated faculty, bright and talented students, and effective administration and support staff which has helped the institute grows into a University in record time.

Silicon University, Odisha was established in the year 2024 as per 'Odisha Universities (Amendment) Act 2020'. Though the University is recently born, it takes pleasure in its affluent legacy. The primary focus will be to improve the educational and research capability and efficacy of the value-based education system across all spheres. The University is pledged to develop the range of the existing departments as well as extend fresh multi-discipline and inter-discipline courses.

2. PROGRAMS OFFERED

Silicon University, Odisha offers admissions to undergraduate, postgraduate and Ph.D. programs. The seat matrix for all branches of various programs is given as follows:

2.1. Undergraduate (Regular) Admissions

Silicon University offers four undergraduate regular programs in engineering whose duration is four years. There is also a provision for admission in the third semester for the lateral entry students whose program duration is three years.

SL. #	PROGRAMS	PROGRAM INTAKE
1.	B.Tech. Computer Science and Engineering (CSE)	300
2.	B.Tech. Electrical and Electronics Engineering (EEE)	120
3.	B.Tech. Electronics and Communication Engineering (ECE)	240
4.	B.Tech. Electronics and Instrumentation Engineering (EIE)	60

2.2. Undergraduate (Lateral Entry) Admissions

SL. #	PROGRAMS	PROGRAM INTAKE
1.	B.Tech. in Computer Science streams	

SL. #	PROGRAMS	PROGRAM INTAKE
	i) B.Tech. Computer Science and Engineering (CSE)	18
	ii) B.Tech. Computer Science and Technology (CST)	06
	iii) B.Tech. Computer Engineering (CEN)	06
2.	B.Tech. Electrical and Electronics Engineering (EEE)	18
3.	B.Tech. Electronics and Communication Engineering (ECE)	18
4.	B.Tech. Electronics and Instrumentation Engineering (EIE)	06

2.3. Integrated MCA (iMCA) Admissions

The iMCA course offered by Silicon University is designed with an integrated curriculum on computer applications and information technology. It is aimed at grooming software skills, enhancing the problem-solving capacity of students, and thus fulfilling the industry demands. The objective of this course is to generate software professionals by imparting intensive learning to the +2 level students.

SL. #	PROGRAMS	PROGRAM INTAKE
1.	Integrated Master in Computer Applications (iMCA)	60

2.4. Postgraduate Admissions

Silicon University offers three postgraduate (PG) engineering programs. Students can choose to pursue an M.Tech. in Computer Science & Engineering, Power System Engineering, or Electronics and Communication Engineering. The other PG programs offered are MCA (Master in Computer Applications), M.Sc.(Data Science), M.Sc.(VLSI), M.Sc.(Embedded Electronics & IIoT) and M.Sc.(Molecular Medicines). All these PG programs are of two years duration.

SL. #	PROGRAMS	PROGRAM INTAKE
1.	M.Tech. Computer Science and Engineering (CSE)	09
2.	M.Tech. Electronics and Communication Engineering (ECE)	09
3.	M.Tech. Electrical and Electronics Engineering (EEE)	09
4.	Master in Computer Applications (MCA)	60
5.	M.Sc. (Data Science)	30
6.	M.Sc.(VLSI)	30

SL. #	PROGRAMS	PROGRAM INTAKE
7.	M.Sc.(Embedded Electronics & IIoT)	30
8.	M.Sc.(Molecular Medicines)	30

2.5. Ph.D. Opportunities

Silicon University, with an established research base and extensive infrastructural facilities, offers Ph.D. programs in a wide range of areas in Engineering, Science, Humanities, Social Sciences, and allied interdisciplinary areas. It's dedicated Research Center anchors and supports an expanding research enterprise committed to producing new knowledge, strengthening existing scholarship and discovering solutions with the potential to benefit society. The offered disciplines are Computer Science & Engineering, Electrical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Electronics & Instrumentation Engineering, Mechanical Engineering, Chemistry, Economics, English, Mathematics, Management, Physics and Psychology.

3. ELIGIBILITY CRITERIA

The candidates who seek admission to Silicon University must be a resident / non-resident Indian National or Persons of Indian Origin holders. The candidate should satisfy the following minimum educational qualification if chooses to study in any of the disciplines:

3.1. Undergraduate Admissions

SL. #	PROGRAM	MINIMUM ELIGIBILITY CRITERIA
1.	B.Tech. (4 years)	Candidates should have passed 10+2 or equivalent with Physics and Mathematics as compulsory subjects along with Computer Science / IT / Chemistry / Biochemistry/ Biology as one of the optional subjects from a recognized Indian Board. The candidate must have secured a minimum of 45% aggregate marks in Physics and Mathematics along with their chosen optional subject. Candidate from Scheduled Tribe and Scheduled Caste communities should have secured an aggregate minimum of 40% marks.
2.	B.Tech. (Lateral Entry)	Candidates should have passed minimum THREE years / TWO years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to Scheduled Tribe and Scheduled Caste

	(3 years)	category) in ANY branch of Engineering and Technology. OR Candidates should have a B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to Scheduled Tribe and Scheduled Caste category) and passed 10+2 examination with Mathematics as a subject.
3.	iMCA (4 years)	Students should have passed +2 Examination with Mathematics/Statistics/Information technology/Information science with 50% (45% marks in case of candidates belonging to Scheduled Tribe and Scheduled Caste category) marks in aggregate from any recognized board.

3.2. Postgraduate Admissions

SL. #	PROGRAM	MINIMUM ELIGIBILITY CRITERIA
1.	M.Tech. (2 years)	Candidate should have a Bachelor's Degree or equivalent in the relevant field. Obtained at least 50% marks (45% marks in case of candidates belonging to Scheduled Tribe and Scheduled Caste category) in the qualifying Examination.
2.	MCA (2 years)	Candidate should have passed BCA / Bachelor Degree in Computer Science Engineering or equivalent Degree. OR Candidate should have a B.Sc. / B.Com. / B.A. with Mathematics at 10+2 Level or at Graduation Level Obtained at least 50% marks (45% marks in case of candidates belonging to Scheduled Tribe and Scheduled Caste category) in the qualifying Examination.
2.	M.Sc. Data Science (2 years)	Candidate should have Mathematics or Statistics as one of the subjects in graduation or B.Sc. (Engg) / BE / B.Tech. in any discipline of Engineering. Obtained minimum 55% marks / equivalent or 2nd Class Honours in the qualifying undergraduate degree.
3.	M.Sc. VLSI (2 years)	Candidate should have passed B.Sc. in Physics / Electronics / Computer Science. OR Candidate should have B.Sc. (Engineering) / B.E. /

		B.Tech. in ECE / EEE / EE / CSE or related programs. Obtained minimum 55% marks in the qualifying UG examination.
4.	M.Sc. Molecular Medicine (2 years)	Candidate should have passed B.Sc. in Biotechnology / Microbiology / Microbial Genetics / Human Genetics / Medical Genetics / Molecular Biology / Genetics / Biochemistry / Zoology. OR Candidate should have a B.E. / B.Tech. (Biotechnology) /B.Sc./B.Tech.(Genetic engineering, Tissue engineering, Stem Cell technology). OR Candidate should have an M.B.B.S/B.V.Sc./B.Pharm./D.Pharm./B.M.L.T. Obtained minimum 55% marks in the qualifying UG examination.
5.	M.Sc. Embedded Electronics & IIoT (2 years)	Candidate should have passed B.Sc. in Physics/ Electronics/ Instrumentation or equivalent programs. OR Candidate should have a B.Sc. (Engg)/ B.E./B.Tech. in ECE/ EEE/ EIE or related programs. Obtained minimum 55% marks in the qualifying UG examination.

3.3. Research Programs

SL. #	PROGRAM	MINIMUM ELIGIBILITY CRITERIA
1.	Ph.D. (5 years)	Candidate having M.Tech. /M.E/MCA/MBA or equivalent Degree with minimum 60% marks OR, an equivalent CGPA or M.Sc./M.A/M.Com./LLM or an equivalent degree with minimum of 55% marks or an equivalent.

4. SELECTION CRITERIA

Since the number of applicants for various program offered by the university is much higher than the available seats against each program, the allotment of seats against each program is strictly on merit. The merit list is prepared based on the various entrance tests or career marks of the candidate depending on the program the candidate is applying for. The selection criterion for various programs is summarized below.

Program	Basis of selection (Preference wise)
B.Tech. (Regular)	a) JEE Mains-2024 CRL Rank b) OJEE-2024 CRL Rank
B.Tech. (Lateral)	OJEE-2024 CRL Rank
M.Tech.	a) GATE-2023/GATE-2024 Rank b) OJEE-2024 (PGAT) Rank c) SUAT-2024 Rank*
M.C.A.	OJEE-2024 CRL Rank
iMCA	Career marks based on class 10 th and 12 th Marks
M.Sc.	Career marks based on class 10 th , 12 th and Graduation Marks

4.1. *SUAT (Silicon University Admission Test)

The University will conduct SUAT for 2024-25 admission sessions which will be conducted for the M.Tech. and Ph.D programs only. There will be a notification by the university in the website regarding the syllabus, model questions, date of test etc. The candidates interested to appear for the SUAT-2024, may apply for it through an online application, the details of which will be notified in the university website.

Please note that, SUAT-2024 will be in online mode only which a candidate can appear in the University campus or other major cities depending on the applicant geographical location.

5. RESERVATION POLICY

The reservation categories for the candidates who will get admission to all courses through OJEE counselling remains the same as followed by the existing rules of Government of Odisha and which may change as per Government order. However, the categories of reservation and their percentage for seats to be filled through University-level admission are as follows:

- | | | |
|--------------------------------------|---|------------------------|
| a) Scheduled Caste (SC) | - | 8% |
| b) Scheduled Tribe (ST) | - | 12% |
| c) Women Quota (WQ) | - | 30% (in each category) |
| d) Physically Challenged (PC) | - | 3% |
| e) Economically Weaker Section (EWS) | - | 10% |

Note:

- No reservation category for any course under Lateral Entry admission.
- Separate merit lists to be published for each category of reservation.
- Transfer of vacant seats from one reservation category to General category is applicable only when there are vacant seats in that category.
- Reservation for candidates belonging to SC/ST category is by birth and not by marriage or adaptation. Candidates applying for SC/ST reserved category shall furnish SC/ST certificate from the Tahasildar of the place of birth in Odisha at the time of document verification.
- Nativity certificate of Odisha is mandatory for taking admission against any of the reserved category seats along with other relevant certificates (SC/ST/PC).
- To avail reservation under Women Quota (WQ), the nativity certificate is required and is mandatory. Non-submission of nativity certificate automatically cancels the WQ seat.
- EWS will only be applicable to the programs subject to the approval of appropriate Authority.
- All Reservations are applicable to natives of Odisha State only.

6. ADMISSION CALENDER

Silicon University, Odisha will publish the admission calendar for that academic session before the commencement of the admission process in its official website: **www.silicon.ac.in**

The important dates/schedules mentioned in the calendar will be only applicable for the seats that will be filled through the University level admission. However, for the seats that will be filled through the OJEE counseling, applicants are required to visit the official website of OJEE for that academic session and follow the instructions given.

7. LIST OF DOCUMENTS REQUIRED

The candidates, who have been allotted a seat by OJEE counseling/qualified through SUAT-2024 for various programs in Silicon University, are required to bring the following documents while reporting to the university on the date notified. Verification of documents would be done at the time of admission. On failing to establish correctness in any of the documents, the candidates will not be considered for admission.

NAME O THE DOCUMENT	PROGRAMS					
	M.Sc.	M.Tech	MCA	B.Tech	iMCA	LE
H.S.C/10 th Certificate & Mark sheet	✓	✓	✓	✓	✓	✓
+2/12 th Certificate & Mark sheet	✓	✓	✓	✓	✓	
+3/BCA/B.Tech./Diploma Certificate & Mark sheet	✓	✓	✓			✓
CLC and Conduct Certificate	✓	✓	✓	✓	✓	✓
JEE Main Rank Card				✓		
OJEE Rank Card (If applicable)		✓	✓	✓		✓
GATE Score Card (for GATE qualified only)		✓				
Final allotment letter from www.ojee.nic.in (For candidates selected through OJEE Counseling)		✓	✓	✓		✓
Color Photographs (3 passport size)	✓	✓	✓	✓	✓	✓
Blood Group Report	✓	✓	✓	✓	✓	✓
Identity Proof (Aadhaar card)	✓	✓	✓	✓	✓	✓
Aadhaar card of Parents	✓	✓	✓	✓	✓	✓
Reservation Certificate (claimed by candidate) issued by the Competent Authority	✓	✓	✓	✓	✓	✓
Admission Fees	✓	✓	✓	✓	✓	✓

8. CANCELLATION POLICY

The allotted seat will be cancelled if

- a) Information produced by applicant is incorrect. In the event of suppression/distortion his/her candidature will be liable to disqualification.
- b) Applicant has taken admission in any other institute before taking admission in Silicon University, Odisha.
- c) Applicant has submitted faked/forged documents.
- d) Applicant has not cleared all subjects at 10th/12th/Diploma/B.Tech. level exams.
- e) Applicant has not secured the minimum eligible percentage of marks needed for admission.
- f) Applicant does not have the required subject(s) for taking admission as per OJEE guidelines.
- g) Applicant has not produced the original relevant documents (mark sheets, CLC/Transfer/Conduct certificate etc.) at the Admission Office of Silicon University, Odisha on or before the date notified for final verification.
- h) Applicant was rejected by the authorities during document verification.

- i) Applicant was not able to produce the required Reservation Certificate issued from the Competent Authority.
- j) Candidate has failed to participate in the Counseling notified to them.
- k) Even after admission, the authority has all the rights to cancel the candidate's admission in case of any discrepancy. The decision shall be final and binding on the candidate. Silicon University, Odisha cannot be held responsible for any loss/damage arising out of such cancellations of admissions.

All disputes are subject to the jurisdiction of the courts only at Bhubaneswar, Odisha.

9. DISCONTINUANCE/WITHDRAW FROM PROGRAM AFTER ENROLLMENT

- a) A candidate who desired to leave the institution after joining the program needs to submit a "NO-DUES CERTIFICATE" issued by the competent authority. This should be accomplished by the 'Application of Withdrawal' and original admission fee receipt.
- b) Original certificates will be returned to the candidate only if the above condition 9(a) is satisfied.
- c) Refund policy applies as per the latest UGC/AICTE norms.

10. REFUND POLICY

Refund of fees will be made as per the University's norms and conditions with UGC/AICTE notifications from time to time. Refundable deposits will be returned, after deductions if any, at the time of completion of course or on cancellation of admissions. The refund will be made through account transfer to the account number mentioned in the withdraw request.

11. SCHOLARSHIP OPPORTUNITIES

Silicon University is dedicated to empowering deserving students to unlock their full potential and emerge as the leaders, innovators, and change makers of tomorrow. The scholarship opportunities for the academic year 2024 aims to support meritorious students across various courses.

11.1. B.Tech. (Regular) courses

Career	JEE Mains CRL Rank	Scholarship amount in INR
More than 70% marks in 10 th and 12 th	50,001 to 75,000	25,000 / semester
	25,000 to 50,000	50,000 / semester
	Below 25,000	75,000 / semester

11.2. M.Tech. courses

Criteria	Career	Scholarship amount in INR
GATE Qualified (For current and previous academic session)	More than 60% marks in 10 th and 12 th and Graduation	10,000 / month
PGAT Qualified	More than 60% marks in 10 th and 12 th and Graduation	25,000 / semester
SUAT Qualified		

11.3. MCA course

Career	OJEE Rank	Scholarship amount in INR
More than 70% marks in 10 th , 12 th and Graduation	Below 100	20,000 / semester

11.4. M.Sc. courses

Career	Scholarship amount in INR
More than 70% marks in 10 th , 12 th and Graduation	20,000 / semester

The scholarship is applicable for the first semester program only. However, eligible students may continue to receive the scholarship in subsequent semesters if they meet the following criteria:

- Maintain a CGPA of 8.5 or above without any backlog papers.
- Maintain attendance of 80% and above in previous semesters.
- Have no pending disciplinary cases.
- The scholarship offer is not applicable for Tuition Fee Waiver (TFW) candidates.

12. EDUCATION LOAN ASSISTANCE

Silicon University support students to get bank loans to finance their study for their respective programs.



13. HOSTEL FACILITIES

Refer to the link for information regarding the hostel facilities available:
<https://silicon.ac.in/bbsr-home/facilities/>

Occupancy	AC / Non-AC	Rent per semester (in Rupees)
4 seated	Non-AC	20,000
2 seated (with attached toilet)	Non-AC	30,000
3 seated (with attached toilet)	Non-AC	30,000
3 seated	Non-AC	22,000
3 seated	AC	38,000
4 seated	AC	30,000

One time Hostel Registration Fees (Non-Refundable) of Rs. 9,000/- is to be paid for all category

14. TRANSPORTATION FACILITIES

Silicon University provides free transportation facility for all the students within the Bhubaneswar city limit.

15. FEE STRUCTURE

Program	Branches	Program Duration	Fees per semester (in Rupees)
B.Tech. (Regular)	All	4 Years	1,05,000
B.Tech. (Lateral)	All	3 Years	1,05,000
M.Tech.	All	2 Years	75,000
MCA	iMCA	4 Years	80,000
	MCA	2 Years	80,000
M.Sc.	VLSI, Data Science, EE & IIOT	2 Years	75,000
	Molecular Medicine	2 Years	1,88,000
Ph.D.	All	3 Years (min. duration)	15,000

One time admission fees of Rs. 20,000/- is to be paid for all UG programs and Rs. 10,000/- for all PG programs at the time of admission. For all Ph.D. programs, Rs. 20,000/- is to be paid as one time admission fees.