



Three Year ICD (INTEGRATED CERTIFICATE DIPLOMA) PROGRAMME (SET I & SET IA)

The objective of the ICD Programme is to produce technically skilled manpower in appropriate areas.

(a) Eligibility:

- (I) For admission to 3 Year ICD Programme, the candidates should have passed their 10th class (Pass in English, Mathematics and Science is compulsory) from a State Education Board/CBSE/ICSE/ National Open School or an equivalent examination recognized/approved by MHRD, Government of India. Those who are appearing in matriculation examination may also apply subject to producing the result at the time of admission.
- (II) For admission to Lateral Entry ICD (2nd year) in addition to 10th passed as above, must have passed full time 2 years ITI course/Certificate/10+2 (vocational) in relevant trade with 50% marks (45% for reserved categories) from Govt./Semi Govt Institute along with 2 years industrial experience from Govt./Semi Govt. and Private Industry of repute.

(b) Duration: The duration of the ICD programme is 3 years. However, in case a student is willing to exit after successfully completing 2 years in the prescribed course of study with required credits (earning 96 credits), he/she will be awarded Certificate in the respective course of ICD programme. He/ She will be allowed to exit only after completing all the formalities as per the norms of institute. Further, on completion of the required credits (142 credits) diploma will be awarded after three years.

(c) Disciplines & Seats: Admission is available in the following disciplines of ICD Programmes. *General principles relating to reservations are given in Section 2.9.*

INTAKE AND DISTRIBUTION OF SEATS FOR 3-Year ICD IN THE ACADEMIC SESSION 2020-21

Sr. No.	Department	Name of Diploma Programme	Intake *	Name of Certificate Programme	Total Seats*
1.	Chemical Engineering	Chemical Technology (DCT)	34	Paper Technology (CPT)	34
2.	Food Engineering and Technology	Food Technology (DFT)	34	Food Processing & Preservation (CFP)	34
3.	Computer Science and Engineering	Computer Science & Engineering (DCS)	68	Data Entry & Word Processing (CDE)	68
4.	Electronics and Communication Engineering	Electronics & Communication Engineering (DEC)	33	Television Mechanic CTV)	16
				Servicing & Maintenance of Electronic Instruments (CSME)	17
5.	Electrical and Instrumentation Engineering	Instrumentation & Process Control (DIN)	33	Servicing & Maintenance of Medical Instruments (CSMM)	33
		Electrical Engineering (DEE)	34	Electrician (CEN)	34
6.	Mechanical Engineering	Mechanical Engineering (DME)	135	Welding (CWG)	27
				Foundry and Forging (CFF)	27
				Tool & Die Technology (CTD)	27
				Auto & Farm Equipment Mechanic (CAF)	27
				Air Conditioning Mechanic (CAC)	27
7.	Civil Engineering**	Civil Engineering(DCE)	34	Building Maintenance	34

**Considering different supernumerary schemes of scholarship as per Govt. norms, the number of seats may increase.*

*** It is clarified that the institute is not running B.E. course in Civil Engineering at this stage, hence the students admitted in ICD in Civil Engineering shall not be considered for vertical promotion to the B. E. programme in the Institute. However, in case B.E. (Civil Engineering) is started during the coming academic session, the policy of the vertical promotion shall be applicable for ICD (Civil Engineering) students.*



[A] B.E. (4 Year) (ADMISSION THROUGH JEE (Main))

B.E. PROGRAMME (4 Year)

Institute runs B.E. (4 Year) programme in various disciplines of Engineering and Technology.

- (a) **Eligibility:** Candidates are advised to refer to JEE (Main)-2020 website. The eligibility conditions of JEE (Main) -2020 will be applicable.
- (b) **Duration:** The duration of B.E. Programme is 4 years.
- (c) **Disciplines & Seats:** Available disciplines of study and information regarding distribution of seats are given in [Table 4.1](#).

Reservation of seats will be as per Govt. of India norms (Refer section 2.9)

Table 4.1 Intake and Distribution of Seats for BE (4-Year) in Academic Session 2020-21

Sr.No	Branch of Engineering	TOTAL SEATS*
1.	Chemical Engineering	28
2.	Food Technology	28
3.	Computer Science & Engineering	56
4.	Electronics & Communication Engineering	28
5.	Instrumentation & Control Engineering	28
6.	Electrical Engineering	29
7.	Mechanical Engineering	70
	Total	267



[B] B.E. (Lateral Entry) (SET III)

B.E. (Lateral Entry)

Bachelor of Engineering is a continuation of technical expertise acquired in corresponding Diploma programmes and offers an opportunity to Diploma holders to obtain Bachelor Degree in Engineering.

- (a) Eligibility:** All candidates who have passed Diploma courses in any discipline from SLIET or from any other polytechnic affiliated with any State Board of Technical Education and approved by All India Council for Technical Education (AICTE) securing **55% marks or CGPA 5.5 on 10-point scale or equivalent (50% or CGPA 5.0 on a 10-point scale or equivalent in case of candidates belonging to reserved categories, SC/ST/OBC(Non Creamy Layer)/PH)** are eligible to compete for admission to the appropriate B.E. programmes as given in **Table 4.2**.

Those who are appearing in final examination may also apply.

- (b) Duration:** The candidates who get admission to B.E. through lateral entry will have to spend 3 Years to complete their course.

- (c) Disciplines & Seats:** Available disciplines of study and information regarding distribution of seats are given in **Table 4.3**. **General principles relating to reservations are given in Section 2.9.**

- (d) Admission Procedure:** There are two categories of seats in this programme as given in **Table 4.3**.

- (i) Vertical Entry Seats (ii) Direct Entry Seats

The admission to both the categories will be based on All India SLIET Entrance Test (SET-III). There will be cutoff marks for admission. The admission procedure to these two categories is as under:-

- (i) **Vertical Entry Seats (Only for SLIET students admitted in ICD-2017):** There shall be vertical mobility of 50% of the sanctioned strength in each ICD programme of SLIET to B.E. programme. The linkage between Diploma and B.E. modules is illustrated in **Table 4.4**. For vertical promotion from ICD to B.E against these reserved seats, the ICD students shall apply for Entrance Test (SET-III). The students are required to apply through online mode. However, the students admitted under Persons with Disabilities (PWD) and Non Resident Indians (NRI) category will not be eligible for Vertical Entry Seats. A SLIET student will be eligible for admission under this category who had got admission to ICD course in 2017-18 and not earlier and had completed the ICD course in the prescribed period of normal study, i.e. three years and by availing only prescribed number of chances to clear a subject. The admission to these seats will be on the basis of merit of All India SLIET Entrance Test (SET-III) and linkage is shown in **Table 4.4**. In case, any Vertical entry seats remain vacant, it shall be filled by Direct entry category.

- (ii) **Direct Entry Seats (For outside candidates and SLIET students):** All candidates possessing entry qualification (Diploma) prescribed as per **Table 4.2** are eligible to compete for direct entry seats for various B.E. programmes as per **Table 4.3**. The admission to these seats is on the basis of merit of the All India SLIET Entrance Test (SET-III) conducted by the institute.

- (e) Principles of Vertical Admission (from Diploma to B.E. Programme)**

Admission to the vertical entry seat in B.E. programme shall be 50% of the sanctioned strength of the students in a particular ICD 2017-18 and not earlier. If a student from promoted candidates do not claim admission in a trade or a seat falls vacant afterwards in a trade, then that seat will be offered to next eligible candidate in order of merit in that trade.

- (f) Entrance Test Schedule:**

Test	Date	Time
SET-III (B.E. (Lateral Entry))	31 st May, 2020	14.30 – 17.00 Hours

NOTE: SLIET STUDENTS OF ICD-2017 BATCH APPEARING FOR SET-III UNDER LATERAL ENTRY SHALL BE ALLOWED TO APPEAR IN SET EXAMINATION AT SLIET, LONGOWAL CENTRE ONLY.

- (g) Fee Structure for B.E. Programme :** Detailed fee structure is given in Section 2.11



Engineering Group	Diploma Stream
GROUP-A : Electrical, Electronics & Computer Group For Group-A, admission will be in following courses : <ol style="list-style-type: none"> 1. Computer Science & Engineering (GCS) 2. Electronics & Communication Engg. (GEC) 3. Instrumentation & Control Engineering (GIN) 4. Electrical Engineering (GEE) 	Information Technology, Computer Science & Technology, Computer Engineering, Hardware Engineering / Technology, Software Engineering /Technology, Bio-Computer Engineering, Instrumentation & Measurement, Instrumentation Biomedical Engineering, Applied Electronics & Instrumentation, Telecommunication Engineering, Microwave Technology, Power Engineering, Electrical & Electronics Engineering, Instrumentation & Control Engineering, Electrical Engineering, Electronics & Communication Engineering, Computer Science & Applications, Instrumentation & Process Control OR Equivalent*
GROUP-B : Mechanical Group For Group-B, admission will be in following courses : Mechanical Engineering (GME)	Material Science & Technology, Metallurgical Engineering, Metallurgy & Materials, Ceramic Engineering & Technology, Industrial Engineering, Automation and Robotics Engineering, Industrial Engineering & Management, Automobile Engineering, Energy Management Technology, Non-conventional Engineering Technology, Manufacturing Engineering, Mechanical Engineering, Foundry Technology, Industrial & Production Engineering, Maintenance & Plant Engineering, Welding Technology OR Equivalent*.
GROUP-C : Chemical & Food Group For Group-C, admission will be in following courses : <ol style="list-style-type: none"> 1. Chemical Engineering (GCT) 2. Food Technology (GFT) 	Petroleum, Petrochemical, Biotechnology, Food Technology, Biochemical Engineering, Pulp and Paper Technology, Sugar Technology, Leather Technology, Plastics & Rubber Technology, Polymer Engineering, Polymer-science & Rubber Technology, Oil Technology, Paint Technology, Food Engineering, Agricultural Engineering, Agricultural & Food Engineering, Food Processing, Chemical Engineering & Technology OR Equivalent*.

***The decision of Admission Committee regarding equivalency shall be final and binding upon the candidate.**

TABLE 4.3: Distribution of Seats (SET-III) for B.E. (Lateral Entry) for the Academic Session 2020-21

Sr. No.	Discipline	Seats Available	Seats for Vertical Entry* ICD-2017	Seats for Direct Entry*
1.	Chemical Engineering (GCT)	45	30	15
2.	Food Technology (GFT)	51	30	21
3.	Computer Science & Engineering (GCS)	77	60	17
4.	Electronics & Communication Engineering (GEC)	43	30	13
5.	Instrumentation & Control Engineering (GIN)	42	30	12
6.	Electrical Engineering (GEE)	40	30	10
7.	Mechanical Engineering (GME)	104	75	29
	TOTAL	402	285	117

***Considering different supernumerary schemes of scholarship as per Govt. norms, the number of seats may increase.**

Note: The vacant seats which were left through JEE main-2019 have also been included in the above table.



M.Sc. Programmes

The focus of various M.Sc. Programmes offered by Science Departments would be to generate post-graduates who are confident of applying their knowledge to practical problems of industry including R&D organizations. The curriculum maintains a balance between basic & applied aspects of the subject concerned to develop analytical skills of the students which shall be helpful in their career option in academic, research & teaching also.

(a) Eligibility:

The eligibility for admission to Master of Science (M.Sc.) Programmes will be **55% marks in aggregate (50% in case of candidates belonging to reserved categories, SC/ST/OBC (Non Creamy Layer)/PH)** in B.Sc. as follows:

- (i) **M.Sc. (Physics)** : B.Sc. with **Physics** as one of the subject.
- (ii) **M.Sc. (Chemistry)** : B.Sc. with **Chemistry** as one of the subject.
- (iii) **M.Sc. (Mathematics)** : B.Sc. with **Mathematics** as one of the subject.

Note: Eligibility conditions laid down in **CCMN-2020** for admission in SLIET shall also be applicable.

(b) **Duration:** The duration of the M.Sc. Programmes is **02** years

(c) **Disciplines & Seats:** Available disciplines of study and distribution of seats are as under. **Reservation of seats will be as per Govt. of India rules.** (Refer section 2.9)

Sr.No.	Disciplines	Total Seats
1.	M.Sc. in Physics (PG-PHY)	25
2.	M.Sc. in Chemistry (PG-CHY)	25
3.	M.Sc. in Mathematics (PG-MATH)	25

(d) Admission Procedure:

The admission to M.Sc. programmes will be through **CCMN-2020**.

- *In case, the seats remain vacant the candidates qualifying the JAM-2020/PUCET(PG)-2020/CUCET-2020 will be considered for admission. SLIET may also hold its own entrance examination to fill up the vacant seats at SLIET. The detailed brochure for the same will be uploaded on website separately in due course of time.*

(e) **Fee Structure for M.Sc. Programmes** (The detailed fee structure is given in Section 2.11) :

* *Minimum number of students to run above programmes shall be as per senate decision.*