

FACULTY OF ENGINEERING UNIVERSITY CAMPUS, PATIALA

PROGRAMMES OFFERED

4.1 DEPARTMENT OF COMPUTER ENGINEERING

FACULTY

Professors

Lakhwinder Kaur, Ph.D.,
Amardeep Singh, Ph.D., **Head**
Raman Maini, Ph.D.
Himanshu Aggarwal, Ph.D.

Assistant Professors

Jagroop Kaur Joshan, M.Tech.
Harpreet Kaur, M.Tech.
Jaswinder Singh, Ph.D.
Kanwal Preet Singh Attwal, M.Tech.
Harmandeep Singh, M.Tech., Ph.D.
Madan Lal, M.Tech.
Jasvir Singh, M.Tech.
Nirvair Neeru, M.Tech.
Rakesh Singh, M.Tech.
Brahmleen Kaur Sidhu, M.Tech.
Gurjeet Singh Bhathal, M.Tech.
Anantdeep, M.Tech.
Amrit Kaur, M.Tech.
Lal Chand, M.Tech.
Navdeep Kanwal, M.Tech.
Navdeep Singh, M.Tech.
Sikander Singh, M.Tech.
Abhinav Bhandari, M.Tech.
Gaurav Deep, M.Tech.
Gaurav Gupta, Ph.D.
Ram Singh, M.Tech.
Sumandeep Kaur, M.Tech.
Wiliamjeet Singh, Ph.D.
Dhavlesh Rattan, Ph.D.
Navpreet Kaur, M.Tech.
Navroz Kaur, M.Tech.
Priyanka Jarial, M.Tech.
Supreet Kaur Gill, M.Tech.
Karandeep Singh, M.Tech.
Charanjiv Singh Saroa, M.Tech.
Navjot Kaur, M.Tech.
Navneet Kaur, M.Tech.
Neelofar Sohi, M.Tech.

COURSES

1. B.Tech. (4 year) : Computer Science and Engineering (CSE) Student Intake: 180

Pre-requisite: Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, will be admitted on the basis of their merit in **JEE (Main) - 2017** as per the schedule and guidelines notified through advertisement(s) in newspapers and University website. The seat distribution table with reserved and the additional seats will separately given during B. Tech. admission counseling details.

Lateral Entry for Diploma Holders in 2nd year of 4 years B.Tech. (Computer Science & Engineering) programme.

The total number of seats offered to diploma qualified students for admission in 2nd year of B. Tech. Engineering degree programmes will be up to maximum of 10% of sanctioned intake i.e. 18 seats in each of the branches. This will be over and above the approved intake (supernumerary).

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B.Tech. programme. Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course. Counseling schedule for the admission under this category will be announced through newspapers and on University website. *The seat distribution table with reservation and the additional seats as per University criteria is given in Appendix-I*

2. Six Year Integrated B.Tech.-M.B.A. Programme in CSE (Computer Science & Engineering)

Student Intake: 25

Pre-requisite: The candidates seeking admission under above programme in this course must have qualified 10+2 (Non-medical Science Group) with minimum 60% (55% for SC/ST & disabled persons categories) marks. In case total of obtained marks is not mentioned on the DMC of a candidate then a combination of Physics, Chemistry, Mathematics, English and a subject having greater marks out of other subjects (Punjabi, Hindi, Computer Science, Physical Education, Environmental Education etc.) will be considered to evaluate the minimum 60% marks criteria in order to determine eligibility of candidate. However, only the marks of Physics, Chemistry, Mathematics & English will be considered to calculate the percentage in order to prepare the merit list.

The reservation of seats will be as per reservation policy adopted by Punjabi University Patiala. *The seat distribution table along with reservation under various categories as per University criteria are given in Appendix-I*

3. M. Tech. (CE) (Computer Engineering) : Regular-2 years and Part time- 3 years

Student Intake: 60 each

Pre-requisite: The candidates seeking admission in M. Tech. courses must have passed B.E./B.Tech. in respective branch of engineering with 60% (55% for SC/ST & disabled persons categories) marks. For admission to M.Tech. in Computer Engineering candidate must have passed B.E./B.Tech. in Computer Science & Engineering/ Computer Engineering/ Information Technology/ Information Communication Technology/ Software Engineering or equivalent degree in Engineering. *The detailed seat distribution table with reservation and the additional seats as per University criteria has been given in Appendix-I*

M.Tech. Entrance Test:- Admission will be made purely on the merit of M.Tech. entrance test to be conducted by Punjabi University. Moreover, GATE (*Graduate Aptitude Test for Engineering*) qualified candidates will be

given preference over the candidates qualifying in entrance test. *GATE qualified candidates must attach the valid score card along with the application.* In case, seats remain vacant after allotment of seats to eligible entrance test qualified candidates, these will be offered on the basis of merit in qualifying examination.

Lateral Entry for Diploma Holders in 2nd year of Six Year Engineering Management Integrated (Computer) programme.

In this regard, the candidates seeking admission need to apply for the admission in second year of 6 year integrated programme as and when vacant seats are advertised through newspaper and the University website.

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with Mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B. Tech. programme.

Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course.

4.2 Department of Electronics & Communication Engineering

FACULTY

Professors

Manjeet Singh Patterh, Ph.D.
Gurmeet Kaur, Ph.D., **Head**
Manjit Singh Bhamrah, Ph.D.
Ranjit Kaur, Ph.D.

Associate Professor

Kulwinder Singh, M. Tech.

Assistant Professors

Charanjit Singh, Ph.D.
Amrit Kaur, M.Tech.
Sonia Goyal, Ph.D.
Amandeep Singh Sappal, Ph.D.
Deepak Saini, Ph.D.
Gautam Kaushal, M.Tech.
Harjinder Singh, Ph.D.
Amandeep Kaur, M.Tech.
Harmanjot Singh, M.Tech.
Simranjit Singh Tiwana, Ph.D.
Rajbir Kaur, Ph.D.
Lovkesh, M.Tech.
Ramandeep Kaur, M.Tech.
Mandeep Kaur, M.Tech.
Karamjit Kaur, M.Tech.
Dipti Bansal, M.Tech.
Bhawna Utreja, M.Tech.
Pankaj Mohindru, Ph.D.
Amandeep Kaur Brar, M.Tech.
Reecha Sharma, Ph.D.
Simranjit Singh, Ph.D.

COURSES

1. **B.Tech. (4 year):** Electronics and Communication Engineering (ECE) Student Intake: 180

Pre-requisite: Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, will be admitted on the basis of their merit in **JEE (Main) - 2017** as per the schedule and guidelines notified through advertisement(s) in newspapers and University website. The seat distribution table with reserved and the additional seats will separately given during B. Tech. admission counseling details.

Lateral Entry for Diploma Holders in 2nd year of 4 years B.Tech. (ECE) programme.

The total number of seats offered to diploma qualified students for admission in 2nd year of B. Tech. Engineering degree programmes will be up to maximum of 10% of sanctioned intake i.e. 18 seats in each of the branches. This will be over and above the approved intake (supernumerary).

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B.Tech. programme. Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course. Counseling schedule for the admission under this category will be announced through newspapers and on University website. *The seat distribution table with reservation and the additional seats as per University criteria is given in Appendix-I*

2. Six Year Integrated B.Tech.-M.B.A. Programme in ECE

Student Intake: 25

Pre-requisite: The candidates seeking admission under above programme in this course must have qualified 10+2 (Non-medical Science Group) with minimum 60% (55% for SC/ST & disabled persons categories) marks. In case total of obtained marks is not mentioned on the DMC of a candidate then a combination of Physics, Chemistry, Mathematics, English and a subject having greater marks out of other subjects (Punjabi, Hindi, Computer Science, Physical Education, Environmental Education etc.) will be considered to evaluate the minimum 60% marks criteria in order to determine eligibility of candidate. However, only the marks of Physics, Chemistry, Mathematics & English will be considered to calculate the percentage in order to prepare the merit list.

The reservation of seats will be as per reservation policy adopted by Punjabi University Patiala. *The seat distribution table along with reservation under various categories as per University criteria are given in Appendix-I*

Lateral Entry for Diploma Holders in 2nd year of Six Year Engineering Management Integrated (Electronics & Communication Engineering) programme.

3. M. Tech. (ECE): Regular-2 years and Part time- 3 years

Student Intake: 60

Pre-requisite: The candidates seeking admission in M. Tech. courses must have passed B.E./B.Tech. in respective branch of engineering with 60% (55% for SC/ST & disabled persons categories) marks. For admission to M.Tech. in Electronics and Communication Engineering candidate must have passed B.E./B.Tech. in Electronics & Communication Engineering/ Electrical /Electronics/ Instrumentation & Control Engineering/Electrical & Electronics Engineering. *The detailed seat distribution table with reservation and the additional seats as per University criteria has been given in Appendix-I*

M.Tech. Entrance Test:- Admission will be made purely on the merit of M.Tech. entrance test to be conducted by Punjabi University. Moreover, GATE (*Graduate Aptitude Test for Engineering*) qualified candidates will be given preference over the candidates qualifying in entrance test. *GATE qualified candidates must attach the valid score card along with the application.* In case, seats remain vacant after allotment of seats to eligible entrance test qualified candidates, these will be offered on the basis of merit in qualifying examination.

In this regard, the candidates seeking admission need to apply for the admission in second year of 6 year integrated programme as and when vacant seats are advertised through newspaper and the University website.

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum

60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with Mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B. Tech. programme.

Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course.

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About the Department: The Electronics and Communication Engineering was one of the branches started under the aegis of University College of Engineering, established in the year 2003, at Punjabi University, Patiala (Main Campus). The branch had made a modest beginning with a single under-graduate course of four-year duration, viz., Bachelor of Technology (B.Tech.) in Electronics and Communication Engineering. In 2009, with a view to provide quality education, it took a leap forward by launching Master of Technology course in Electronics and Communication Engineering and Bachelor of Technology in Engineering Management Integrated for an overall development of the students in engineering and management skills. Further, to cater working professionals, in 2011, it started a three-year Master of Technology course in Electronics and Communication Engineering. With the division the University College of Engineering in September 2013, the Electronics and Communication Engineering branch was awarded the status of an independent department and it is renamed as Department of Electronics and Communication Engineering.

Presently, there are 34 faculty members in the department, 4 Professors, 1 Associate Professor and 29 Assistant Professors along with well-trained technical and non-technical staff to assist them. Each faculty member is actively involved in research work in his/her respective fields of specialization. All other B. Tech. concerned Labs are well equipped. To assist the M.Tech. and Ph.D. students in the field of research, a Research Lab with number of softwares and hardware equipments is also provided and also a good number of Journals are made available as printed or online version. More details are provided on webpage of the department: <http://punjabiuniversity.ac.in/pbiuniweb/pages/departments/newece.html> hosted on the university website.

In Co-curricular and Extra Curricular activities, the department also has its own student associations and clubs like Sports Club, Technical Club, Cultural Club, Professional Societies and many more which conduct several technical Events, competitions, seminars, quizzes etc. over a year. The department is associated with other professional technical associations and societies namely IETE and IEEE to give the students, additional means to improve and update their technical knowledge. On personality development front, the departmental facilities are made available for value added programmes and personality development so as to enhance the employment opportunities of our graduates. The department aims at 100% employability and campus placement for all eligible candidates. As per the past placement record, the department candidates had a good contribution/share in each year of campus placement drive.

Our vision is to become the best Teaching and Research department of the region in the field of Electronics and Communication Engineering. Our mission is to establish the department as the Centre of Excellence in its domain by seeking strong association with Industry and International Research laboratories. Accordingly, department keeps reviewing and updating its teaching scheme and syllabus on year basis. In overall, the department is contributing to the ever changing industrial requirements, economic growth and global societal needs by enhancing the technical skills and entrepreneurship abilities.

4.3 Department of Mechanical Engineering

FACULTY

Professors

Jaimal Singh Khamba, Ph.D.
Inderpreet Singh Ahuja, Ph.D. **Head**
Vinay Kumar Gupta, Ph.D.
Balraj Singh Saini, Ph.D.
Chanpreet Singh, Ph.D.
Jasminder Singh Dureja, Ph.D.
Vinod Verma, Ph.D.

Assistant Professors

Kanwarpreet Singh, Ph.D.
Prahlaad Garg, Ph.D.
Harwinder Singh, M.Tech.
Rajinder Singh, M.Tech.
Gurpreet Singh, Ph.D.
Sukhjinder Singh, M.Tech.
Yonus Muhammad, M.Tech.
Lakshmi Shankar, M.Tech.
Chandan Deep Singh, Ph.D.
Davinder Singh, Ph.D.
Talwinder Singh, M.Tech.
Roshan Lal Viridi, M.Tech.
Rajdeep Singh, M.Tech.
Baljinder Ram, M.Tech.
Kulbir Singh Sandhu, M.Tech.
Khushdeep Goyal, M.Tech.
Dharampal Deepak, Ph.D.
Hemant Kumar, Ph.D.
Simranjeet Singh Sidhu, M.Tech.
Mandeep Singh, M.Tech.
Sandeep Singh, M.Tech.
Jagjeet Singh Chatha, M.Tech.
D. S. Sahota, M.Tech.
Charanjit Singh, M.Tech.

COURSES

1. **B.Tech. (4 year):** Mechanical Engineering (ME)

Students Intake: 180

Pre-requisite: Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, will be admitted on the basis of their merit in **JEE (Main) - 2017** as per the schedule and guidelines notified through advertisement(s) in newspapers and University website. The seat distribution table with reservation and the additional seats will separately given during B. Tech. admission counseling details.

Lateral Entry for Diploma Holders in 2nd year of 4 years B.Tech. (Mechanical Engineering) programme.

The total number of seats offered to diploma qualified students for admission in 2nd year of B. Tech. Engineering degree programmes will be up to maximum of 10% of sanctioned intake i.e. 18 seats in each of the branches. This will be over and above the approved intake (supernumerary).

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B.Tech. programme. Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course. Counseling schedule for the admission under this category will be announced through newspapers and on University website. *The seat distribution table with reservation and the additional seats as per University criteria is given in Appendix-I*

2. Six Year Integrated B.Tech.-M.B.A. Programme in ME

Student Intake: 25

Pre-requisite: The candidates seeking admission under above programme in this course must have qualified 10+2 (Non-medical Science Group) with minimum 60% (55% for SC/ST & disabled persons categories) marks. In case total of obtained marks is not mentioned on the DMC of a candidate then a combination of Physics, Chemistry, Mathematics, English and a subject having greater marks out of other subjects (Punjabi, Hindi, Computer Science, Physical Education, Environmental Education etc.) will be considered to evaluate the minimum 60% marks criteria in order to determine eligibility of candidate. However, only the marks of Physics, Chemistry, Mathematics & English will be considered to calculate the percentage in order to prepare the merit list. The reservation of seats will be as per reservation policy adopted by Punjabi University Patiala. *The seat distribution table along with reservation under various categories as per University criteria are given in Appendix-I*

3. M. Tech. (ME): Regular-2 years and Part time- 3 years

Student Intake: 60

Pre-requisite: The candidates seeking admission in M. Tech. courses must have passed B.E./B.Tech. in respective branch of engineering with 60% (55% for SC/ST & disabled persons categories) marks. For admission to M.Tech. Mechanical Engineering course, candidate must have passed B.E./B.Tech. in Mechanical/ Industrial/ Production/ Manufacturing/Material Science/ Aeronautical or Automobile Engineering. For admission to M.Tech. in Electronics and Communication Engineering candidate must have passed B.E./B.Tech. in Electronics & Communication Engineering/ Electrical /Electronics/ Instrumentation & Control Engineering/Electrical & Electronics Engineering. For admission to M.Tech. in Computer Engineering candidate must have passed B.E./B.Tech. in Computer Science & Engineering/ Computer Engineering/ Information Technology/ Information Communication Technology/ Software Engineering or equivalent degree in Engineering. *The detailed seat distribution table with reservation and the additional seats as per University criteria has been given in Appendix-I*

M.Tech. Entrance Test:- Admission will be made purely on the merit of M.Tech. entrance test to be conducted by Punjabi University. Moreover, GATE (*Graduate Aptitude Test for Engineering*) qualified candidates will be given preference over the candidates qualifying in entrance test. *GATE qualified*

candidates must attach the valid score card along with the application. In case, seats remain vacant after allotment of seats to eligible entrance test qualified candidates, these will be offered on the basis of merit in qualifying examination.

Lateral Entry for Diploma Holders in 2nd year of Six Year Engineering Management Integrated (Mechanical) programme.

In this regard, the candidates seeking admission need to apply for the admission in second year of 6 year integrated programme as and when vacant seats are advertised through newspaper and the University website.

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with Mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B. Tech. programme.

Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course.

4.4 Department of Basic & Applied Sciences

FACULTY

Professors

Sanjiv Puri (Physics), Ph.D., **Head**

Assistant Professors

Rakesh Kumar (Maths), Ph.D.

Parveen Lata (Maths), M.Sc. M. Phill

Anup Thakur (Physics), Ph.D.

Baldeep Singh (Management), Ph.D.

Heena Atwal (Management), M.B.A.

Jyoti Puri (English), M.A. M. Phill

Kanchan (English), M.A.

Jasleen Kaur (Management), M.B.A.

Raminder Kaur (Physics), Ph.D.

Sukhpal Singh (Physics), Ph.D.

Isha Mudahar (Physics), Ph.D.

Jasmine Kaur (English), M.A.

Mohinder Singh (Physics), M. Sc.

Ella Mittal (Management), M.B.A.

Garima Goel (Maths), M.Sc.

Reetu (Maths), M.Sc. M. Phill

Nidhi Gupta (Chemistry), Ph.D.

Amrinder Pal Singh, M.Sc.

Ritu Bala (Chemistry), Ph.D.

Sudesh Kumari (Physics), M. Sc.

Anil Kumar (Physics), Ph.D.

Megha Goyal (Maths), Ph.D.

Rashmi Sachdeva (Maths), M.Sc.

Mr. Rajiv Mall (Chemistry), M.Sc.

Anupreet Kaur (Chemistry), Ph.D.

Rajmohinder Kaur (Punjabi), M.A.

The department offers foundation courses in Physics, Chemistry, Mathematics, Communicative English and Management to the students of B. Tech. and Six year Engineering Management Integrated Programme. Besides, the department also offers some other courses such as Numerical Methods and Applications and operation research to the B. Tech. students. The theoretical aspects of different subjects are supported by well equipped labs in Physics and Chemistry for imparting practical skills. Recently, a digital language lab has been established in the department to inculcate soft skills in the students. Additionally, the subjects of Environmental Science and Road Safety and Punjabi Language are also offered by the department.

4.5 Department of Civil Engineering

FACULTY

Assistant Professors

Gurpreet Singh Dhanoa, Ph.D.,
Maninder Singh, Ph.D. **Incharge**
Rajiv Chauhan, Ph.D.
Kunal Jain, Ph.D.
Karanbir Singh Randhawa, M.Tech.
Gurpreet Singh Sidhu, M.Tech.
Anhad Singh Gill, M.Tech.
Gurpreet Singh Kheira, M.Tech.
Harjinder Singh, M.Tech.
Bikramjit Singh, M.Tech.
Lakhvir Kaur, M.Tech.
Sunita, M.Tech
Amanpreet Kaur, M.Tech.

COURSES

1. B.Tech. (4 year): Civil Engineering (CIVIL)

Student Intake: 180

Pre-requisite: Passed out students of 10+2 or equivalent with Physics, Chemistry, Mathematics and English subjects, will be admitted on the basis of their merit in JEE (Main) - 2017 as per the schedule and guidelines notified through advertisement(s) in newspapers and University website. The seat distribution table with reserved and the additional seats will separately given during B. Tech. admission counseling details.

Lateral Entry for Diploma Holders in 2nd year of 4 years B.Tech. (CIVIL) programme.

The total number of seats offered to diploma qualified students for admission in 2nd year of B. Tech. Engineering degree programmes will be up to maximum of 10% of sanctioned intake i.e. 18 seats in each of the branches. This will be over and above the approved intake (supernumerary).

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B.Tech. programme. Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course. Counseling schedule for the admission under this category will be announced through newspapers and on University website. *The seat distribution table with reservation and the additional seats as per University criteria is given in Appendix-I*

2. Six Year Integrated B.Tech.-M.B.A. Programme in CIVIL

Student Intake: 25

Pre-requisite: The candidates seeking admission under above programme in this course must have qualified 10+2 (Non-medical Science Group) with minimum 60% (55% for SC/ST & disabled persons categories) marks. In case total of obtained marks is not mentioned on the DMC of a candidate then a combination of Physics, Chemistry, Mathematics, English and a subject having greater marks out of other subjects (Punjabi, Hindi, Computer Science, Physical Education, Environmental Education etc.) will be considered to evaluate

the minimum 60% marks criteria in order to determine eligibility of candidate. However, only the marks of Physics, Chemistry, Mathematics & English will be considered to calculate the percentage in order to prepare the merit list. The reservation of seats will be as per reservation policy adopted by Punjabi University Patiala. *The seat distribution table along with reservation and additional seats as per University criteria are given in Appendix-I*

Lateral Entry for Diploma Holders in 2nd year of Six Year Engineering Management Integrated (CIVIL) programme.

In this regard, the candidates seeking admission need to apply for the admission in second year of 6 year integrated programme as and when vacant seats are advertised through newspaper and the University website.

Pre-requisite: All the candidates who have passed the diploma in any branch of Engineering and Technology from recognized institute/institution of Punjab or from other states of India with minimum 60% marks in aggregate (55% for SC/ST & disabled persons categories) or equivalent grade point or Degree in Science (B.Sc. with Mathematics as one of the subjects) from recognized institution with 60% marks in aggregate or equivalent grade point are eligible for admission to B. Tech. programme.

Admission will be made on the basis of merit in the qualifying examination and the candidate's preference to different branches of engineering. Seats will be first allotted to diploma holders. Thereafter, remaining seats will be offered to the B.Sc. holders. A candidate with diploma in any branch of Engineering & Technology can opt for any of the available branches of B.Tech. Course.

OTHER IMPORTANT INFORMATION ABOUT ENGINEERING PROGRAMMES:

A) For B. Tech., admission of NRI candidates (5% of sanctioned intake in each branch i.e. (ECE, CSE, ME and CIVIL) will be done based on their merit in 10+2 (Non-Medical science Group) or equivalent examination. A candidate seeking admission under this category must have secured a minimum of 60% marks or equivalent grade point in 10+2 (non-medical) examination or equivalent. In case total obtained marks are not mentioned in the DMC of a candidate then a combination of Physics, Chemistry, Mathematics, English and a subject having greater marks out of other subjects (Punjabi, Hindi, Computer Science, Physical Education, Environmental Education etc.) will be considered to evaluate the minimum 60% marks criteria in order to determine eligibility of that candidate. However, only the marks of Physics, Chemistry, Mathematics & English will be considered to calculate the percentage in order to prepare the merit list. Candidates of NRI category should submit the admission form, proof of NRI category, certificate of 10+2 examination or equivalent & other documents to the Admission Coordinator for engineering departments, Main Campus, Punjabi University, Patiala by the stipulated date.

The counseling schedule for NRI category will be notified through advertisement(s) in newspapers and the university website.

B) Six Year Integrated B.Tech.-M.B.A. Programme in CSE, ECE, ME & CIVIL Options:

For the first four years, the students will study in Punjabi University, Main Campus, Patiala in this programme. The annual fee and funds will be notified by the University from time to time.

The student will have to give consent in writing in the beginning of B.Tech. Third Year regarding any one of the following three options:

First option: The student will have to complete four year B.Tech. and can opt for two year M.B.A. (Dual degree) programme of School of Management, Punjabi University, Patiala, whereby, the student will have to pursue one year M.B.A. programme at Punjabi University, Patiala and the subsequent year of this Programme at Wilkes University, USA.

Second option: The student will have to complete four year B.Tech. and can opt for two year M.B.A. (International Business) programme of School of Management, Punjabi University, Patiala.

Third option: The student will have to complete four year B.Tech. and can opt for one year M.B.A. programme at Wilkes University, USA. These students will have to pursue additional courses during Summer semesters after B.Tech. Third and Fourth year (during summer vacations), as per academic requirements of Wilkes University, USA.

However, the candidate can opt out of the Integrated programme after the completion of four year B.Tech. degree.

For this integrated programme, the fee and regulations of Engineering Departments will be applicable for B.Tech. (Integ.), while for M.B.A. (Dual Degree) and M.B.A. (International Business), the fee and regulations of School of Management, Punjabi University will be applicable.

If the student opts for pursuing M.B.A. at Wilkes University, PA, USA, the fee, rules & regulations of Wilkes University, USA will be applicable at that time. It will be student's responsibility to get the visa and other clearances for studying in USA. In case visa to student is denied by US embassy or due to other justifiable reasons (accepted by university) the student could not study at Wilkes University, then student can complete his/her two year at Punjabi University main campus, and the fee and regulations of School of Management, Punjabi University will be applicable.

The counseling schedule for the admission under this category will be notified through advertisement(s) in newspapers and University website.

C) Branch Shifting Procedure in B. Tech.

The provision of internal branch shifting, for admitted students of B.Tech. Part-I, shall be allowed strictly in second year of the programme on the basis of merit of marks obtained in first semester of B. Tech. The processing fee in the form of demand draft will be paid by students who get their branch changed as per the Punjabi university rules during the branch change counseling procedure. As an outcome of branch shifting process, the vacant seats in first year of a particular branch shall be added to General Category (85% Punjab). *However, the additional category candidates namely Rural Area, Outstanding Sports, Youth Festival/Cultural Activities, NRI, Kashmiri Migrants, Cancer/Aids and Thalassaemia could get their branch shifted if seats are available in their respective categories.*

The branch shifting to students of Six Year Integrated B.Tech.-M.B.A. Programme, Part-I, shall be allowed strictly on the merit of first semester result. However, during branch shifting process, the student will remain in 6 year

integrated program, although his/her branch may change. Subsequently, the vacant seats in first year of a particular branch shall be offered to General Category (85% Punjab candidates) *in the second year to diploma passed students on the merit basis. The student of B. Sc. pass will be considered on merit for admission through lateral entry if all applied diploma candidates have been exhausted. In this regard, the candidates seeking admission need to apply for the admission in second year of 6 year integrated programme as and when vacant seats are advertised through newspaper and the University website.*

B. Tech Branch Change Policy in 2nd Year (3rd Semester)

- a) The student of B. Tech (2nd semester) will be given an option at the end of second semester to change the branch on the basis of merit (CGPA) of 1st semester result.
- b) The student will be considered for branch change, provided he/she has passed all the courses offered to him/her in the 1st semester of B.Tech. program before applying for branch change.
- c) Branch change will be allowed only if the seats are vacant in the desired branch of B.Tech. or become vacant in the process of branch shuffling.
- d) In the case of tie in CGPA, a tie breaker will be decided as per following guidelines. (i) JEE Mains Rank (All India) (ii) 10+2 Percentage (iii) Higher in age.
- e) Branch change will be allowed under the following conditions:-
“The students of Six Year B. Tech-MBA Integrated Program will be offered an option to change his or her branch at the end of second semester against the vacant seats in the desired branch of Six Year B. Tech-MBA Integrated Program Course OR
“The students admitted in the categories of Additional Seats (NRI, Outstanding Sports Person, Rural Area, Kashmiri Migrant, Youth Welfare/Cultural Activities) will be allowed branch change against the vacant seats in the respective category of additional seats only.

D) General instructions/ Guidelines for Bachelor Programme applicants:-

(1) (a) The candidate must attach the attested copy of Detail Marks Card of qualifying exam (10+2) along with the application.

(b) The candidates seeking admission in B.Tech. Second year must attach the attested copies of Detail Mark Cards for all semesters of Diploma, B.Sc. & provisional result (indicating overall percentage of marks) from the institute last attended at the time of applying for admission.

(2) The candidates with incomplete result (re-appear, result not declared, result awaited) will not be considered for admission.

(3) A Candidate seeking admission under particular reserved category should clearly mention his / her category at an appropriate place of the application form. He/she must provide claimed category certificate(s) as per the format available in Punjabi University Professional handbook of Information at the time of counseling. Also, these certificates must be issued by the appropriate authority. Otherwise, the candidate's claim will be forfeited.

Further, the candidates seeking admission under Rural Area category has to submit ‘Rural Area Residence Certificate’ in addition to the ‘Education from Rural Area Certificate’ as given in the university handbook of Information.

(4) The order of preference given by the candidate regarding choice of branch B.Tech. (CSE/ECE/ME/CIVIL) before counseling shall be treated as final & no request for any change in preference will be entertained later on. If choice is not mentioned against any of the branch (es), any blank space in the admission form will be treated as not interested.

(4) The seats for outstanding sports persons lying vacant in B.Tech. Part-I in the respective branch of Engineering will be offered to Diploma qualified candidates (outstanding sports persons) in 2nd year. The admission will be given on the basis of merit prepared by Director (Sports), Punjabi University, Patiala. However, these sports category candidates would submit their applications along with the relevant academic and sports certificates (with grading) to admission Coordinator B.Tech. II (LATERAL ENTRY) within the stipulated time period as notified by the department.

E) About the Engineering Departments / programmes:

Engineering departments are formed from University College of Engineering during September 2013. University College of Engineering (UCoE) at Punjabi University Campus, Patiala came into existence in the year 2003. About its existence, the senior faculty of the University, technical experts and the Vice-Chancellor seriously deliberated upon the need of quality education in the field of Engineering and Technology in the state of Punjab. Punjabi University has already shown a remarkable growth and excellence in the various fields over the last 48 years. The increasing need of technical education was kept in view and University decided to use its potential for enriching the aspiring students with quality technical education in the state of Punjab. Overwhelming response from the people was witnessed during the last counseling sessions conducted by Punjab Technical University, Jalandhar. This exhibits the tremendous faith that have in promising growth and the capability the people of Punjab of Punjabi University, Patiala.

The University, on its part, has drawn up a master plan to be executed in three phases to provide technical education in the basic and specialized fields in the times to come. Initially, three branches of B.Tech. (CE, ECE, ME) degree had been offered in the first phase. While the second phase, regular M.Tech. (ECE, CE, ME) with 30 seats in each courses have been started from year 2009. In third phase (year 2011), B.Tech. Civil Engineering with (180 seats) and Part time M.Tech. (ECE, CE, ME) with 60 seats in each branch were introduced. In addition, 35 seats have also been enhanced in each regular M.Tech. (ECE, CE, ME). In future, new programmes in Engineering & Technology planned to be introduced. The fourth phase would include the further expansion and emphasis in the research work. It also has establishment a separate research and development centre with collaboration and active participation of the industry which suggests ways and means for overall growth of the industry in the region.

Till date more than 35 laboratories as per the curriculum has been developed. Also, the Institute has a well-equipped workshop with the modern and latest equipment.

The curriculum is updated frequently as per the changing needs of the industry and technology advancements. It encourages flexibility by promoting inter - disciplinary approach that would provide flexibility for promoting inter-disciplinary approach. The hostel facility for boys & girls is available but with limited occupancy.

Engineering departments provide opportunities and encourages its students to participate in the extra-curricular activities such as NCC, NSS, youth welfare and cultural programmes, debates, technical festival, sports etc. Their interaction with the other students of the University in such programmes also contributes towards their overall personality development.

A constant active interaction with the industry is promoted by inviting technical experts from the industrial houses and holding regular extension lectures. There are frequent visits of the students to the industry, assigning the field/project work to the students and organizing workshops and seminars on various specific themes.

A central placement cell has been established by the Punjabi University for arranging the training and final placement of its students. The cell is in constant touch with the industrial houses and is entrusted with the responsibility of arranging on & off campus interviews of its students with the executives of the industry. University also projects its students by highlighting their achievements and

potential for delivering goods as per the requirements of the industry. Many Companies including Infosys, TCS, Tech Mahindra, Osram Lighting (R & D), Birlasoft, Emmerson, (ITS), Quark, Satyam, HCL, Comnet, Siemens, Wipro, Cannon, Idea Cellular, Polaris Software, Infogain, Accenture, Newgen, JohnDeere etc. have visited the University Campus and recruited a large number of B.Tech. and M.Tech. students over the past few years.

APPENDIX-I

B. Tech. (4 year) Course in Branches: CE, ECE, ME, CIVIL (As per Punjab Govt. Notification)

Sanctioned Seats per Branch of Engineering		180	
FOR PUNJAB DOMICILE (85%)		153	
S. No.	Description	%	Seats
	General	----	78
i	Scheduled Castes/Scheduled Tribes	25%	38
ii	Backward Classes / OBC	5%	8
iii	a) Border Area – 2%	4%	3
	b) Backward Area – 2%		3
iv	Sports Persons	2%	3
v	Children / Grand Children of Freedom Fighters	1%	2
vi	a. Disabled Persons (Blind) - 1%	3%	5
	b. Disabled Persons (Deaf & Dumb) - 1%		
	c. Disabled Persons (Other handicapped) - 1%		
vii	Children/ widows of defense personnel killed or disabled to the extent of 50% or more in action, wards of gallantry awardees. children of service defense personnel/serviceman	2%	3
viii	Children/ Widows of Para-military Forces Personnel	2%	3
ix	November 1984 Riots Affected, children of Army deserters killed /100% physically disabled, children of families of persons killed as result of terrorist violence or by security forces acting in aid of civil authorities and the children of innocent civilians who have sustained 100% disability in terrorist violence or during operation by security forces acting in aid of civil authorities.	2%	3
x	Single Girl Child or one of the Girl of parents having two or more girls and having no male child	1%	2
xi	The reservation of Tsunami affected persons shall be available for the children/grand children of original ex-serviceman settler of Campbell Bay Island only or student suffering from Cancer/AIDS/Thalassemia. (with adequate proof)	1%	2
SEATS IN OUTSIDE PUNJAB CATEGORY (15%)		27	
S. No.	Description	%	Seats
	General	--	19
i	SC/ST	25%	7
ii	BC / OBC	5%	1
ADDITIONAL SEATS			
S. No.	Description	%	Seats
1	Rural Area	10%	18
2	Sports (Outstanding)	-	5
3	Youth Festival / Cultural Activities	-	*
4	NRI Category	5%	9
5	Kashmiri Migrants	-	1

* Youth festival / cultural activities seats will be decided by the Youth Welfare Department as per

Punjabi University Rules.

*** The Reservation Policy is tentative and is subject to change as per Policy of Punjab Government/Punjabi University, Patiala.**

Note:

- For Punjab Domicile (85%) and Other States Category (15%), Seats will be allotted and confirmed through online / offline counseling by Punjabi University Patiala, on the basis of merit in JEE (Main) – 2017 and subject to verification of original certificates and documents.
- Rural Area (Additional seats, S.No. 1) will be filled on the merit of Entrance Test JEE (Main) - 2017. Other additional seats (Additional seats, S.No. 2 - 5: Table 1) will be filled by Punjabi University Patiala as per the criteria defined in its Punjabi University's Handbook of Information, 2017 -2018. For admission under these categories, the candidates should continuously visit the website of Punjabi University, Patiala www.pupadmissions.ac.in.
- **Punjab Residence condition will be applicable to November, 1984 Riot affected displaced persons[S.No. ix: Table 1] provided they fulfil other conditions of eligibility.**
- The candidates claiming seats under any of the reserved category/categories will be admitted on merit inter-se in those category/categories subject to fulfilling the eligibility requirements under those category/categories. The candidates must declare their claim for reserved categories at the time of filling their forms for the entrance test JEE (Main) – 2017 and in Online application form.
- A candidate applying for admission under BC/OBC category shall be considered provided he/she produces income certificates of parents along with Backward Class/OBC Certificate signed by appropriate authority as per latest instructions of the Punjab Government.
- The persons belonging to creamy layer are not entitled to the reservation under BC/OBC category as per Notification No. 1/41/93 RS1/609, Government of Punjab, Department of Welfare dated 24-10-2013. The rule of exclusion will apply to sons and daughters of (a) Persons having gross annual income of Rs. 6 lakh or above or possessing wealth above the exemption limit as prescribed in the Wealth Tax Act for the period of three consecutive years; (b) Persons in Categories I, II, III and V A who are not disentitled to the benefit of reservation but have income from other sources of wealth which will bring them within the income/wealth criteria mentioned in (a) above. Explanation: Income from salaries or agricultural land shall not be clubbed.
- A candidate shall be eligible under the category of Border Area [mentioned at Sr. No. iii (a), TABLE-1], only if he/she is from a town/village within 10 miles from the International Border excluding the towns of Ferozepur and Gurdaspur. A certificate to this effect should be obtained from S.D.M. / G.A. to D.C./ A.D.C. and S.D.O. (Civil). It is mandatory that he/she has studied for atleast 5 years in a recognized institution(s) located in such village/town, as per dates of joining and leaving school/college, which also fall within the belt of 10 miles from the international border.
- **The candidate claiming benefit under Rural Area category must be hailing from Rural Area (Residence Proof of Rural Area required, besides the rural educational requirements).** [Sr. No. 1, Additional Seats: TABLE-1]
- The counselling for Sports Persons [Sr. No. iv), TABLE-1] will be based on the sports merit prepared by the Punjabi University, Patiala. The sports merit will be prepared as per the criteria defined in the Punjabi University's Handbook of Information, 2017 -2018. The candidates seeking admission under sports quota should report at Punjabi university, Patiala with all necessary original documents as per the details to be displayed on Punjabi university website (www.punjabiuniversity.ac.in) or advertisement in new papers..

APPENDIX-II

**Distribution of Seats in various Courses offered by
Engineering Departments, Punjabi University Campus, Patiala
For Admission in the Academic Session: 2017-18
(B.Tech. Seat distribution will given separately, during Counselling)**

Course	M. Tech. in CE,ECE & ME (Regular and Part-Time)	Six Year Integrated B.Tech.-M.B.A. Programme in ECE, CSE, ME & CIVIL		Lateral Entry in Five Year Engineering Management Integrated Programme ECE, CSE, ME & CIVIL		Lateral Entry In B. Tech. (Second Year) CSE, ECE, ME, CIVIL		
		‘PART-I’ (First Year) For 10+2 passed		‘PART-II’ (Second Year) For Diploma Passed				
Sanctioned Seats per Branch →	60	25		-		18		
PUNJAB RESIDENT CATEGORY (85%)								
Seats for Punjab (85%) →		51		21		-		15
S. No.	Column No. →	I*	II	III*	IV	V	VI*	VII
1	General	----	25	---	11	**	---	7 ***
2	Scheduled Castes/Scheduled Tribes	25%	13	25%	5	Nil	25%	4
3	Backward Classes / OBC	5%	3	5%	1	Nil	5%	1
4(a)	Border Area	2%	1	4%	1	Nil	7%	1
(b)	Backward Area	2%	1					
(c1)	Disabled Persons (Blind) – 1%	3%	2	5%	1			
(c2)	Disabled Persons (Deaf & Dumb) – 1%							
(c3)	Disabled Persons (Other handicapped) – 1%							
(d)	Widow / Divorced Women	2%	1	Nil	10%				2

(e)	Children/ Widows of Defense Personnel	2%	1					
(f)	Children/ Widows of Para-military Forces Personnel	2%	1	4%	1			
(g)	Riots Affected	2%	1					
(h)	Wards of Political Sufferers/ Freedom Fighters	2%	1	4%	1			
(i)	Sports Persons	2%	1	Nil	Nil	Nil	Nil	Nil
OUTSIDE PUNJAB CATEGORY (15%)								
S. No.	Seats for Outside Punjab →	9		--	4	--	--	3
1	General	--	7	--	3	Nil	--	2
2	SC/ST	25%	2	25%	1	Nil	25%	1
3	BC / OBC	5%	Nil	5%	Nil	Nil	5%	Nil
ADDITIONAL SEATS for Courses								
S. No.	Description	I*	II	III*	IV	V	VI	VII
1	Rural Area	10%	6	....	Nil	Nil	....	***
2	Sports (Outstanding)	-	5	....	Nil	Nil	....	***
3	Youth Festival / Cultural Activities	-	-	....	Nil	Nil	....	***
4	NRI Category	5%	3	....	Nil	Nil	....	***
5	Kashmiri Migrants	-	1	....	Nil	Nil	....	***
6	Single Girl Child	-	1	....	Nil	Nil	....	Nil
7.	Cancer/Aids and Thalassaemia	-	1	....	Nil	Nil	....	Nil

* The Reservation Policy is tentative and is subject to change as per Policy of Punjab Government/ Punjabi University, Patiala.

Note:-

- 1) Regarding the distribution of seats for B. Tech. (4 year) program in branches: CSE, ECE, ME, CIVIL (180 seats each), please refer seat matrix given on the website of Punjabi university, Patiala given separately.
- 2) Detailed counseling schedule and instructions for admission to above mentioned programmes (Appendix – I) and B. Tech. will be put on Punjabi university website. These counselings will be conducted by Punjabi University, Patiala Campus.

* - Columns indicate percentage of Subcategories,

** - Vacant seats will be notified in counseling announcement.

*** - In Lateral Entry to **B. Tech (4 year) course in ECE, CSE, ME & CIVIL**, the additional vacant seats in respective branches will be notified at the time of counseling announcement.

- Seats of Youth Festival / Cultural Activities will be allotted by Youth Welfare department of Punjabi University, Patiala.

General Instructions for Admission to M.Tech. (ECE, CE, ME)

1. Admission to M. Tech. course shall be based on the merit of candidates determined by the result of Entrance Test to be conducted by the Punjabi University, Patiala. The qualifying marks for M. Tech 2017 Entrance Examination shall be 30% (25% for SC/ST and Physical handicapped candidates) (Note:- Ist preference will be given to GATE qualified candidates according to their merit in GATE examination).
2. Candidates whose results of the qualifying examination have not been declared by the last date of submitting the entrance test / admission form may be allowed to appear in the entrance test counseling at their own risk. The results of such candidates must be available before the counseling, failing which their candidature will stand cancelled.
3. The admission of NRI candidates will be made on the basis of academic merit of qualifying examination. No entrance test is required for such candidates. However, they will have to submit the admission form latest by the due date.
4. The use of log tables and calculators is not allowed.
5. List of successful candidates in the test shall be displayed on the Notice Board of the concerned Engineering Department, Punjabi University, Patiala and on the University website with URL www.pupadmissions.ac.in.
6. There will be only one entrance test centre located at Punjabi University, Patiala.
7. M. Tech. entrance test will be conducted on the basis of entrance test consisting of 100 multiple choice questions, each carrying one mark. Its duration will be of 90 minutes and of maximum 100 marks.
8. Incomplete forms and those received after the prescribed date will not be considered under any circumstances. Roll numbers to such candidates shall not be issued and no correspondence enquiry in this regard shall be entertained.
9. A candidate must attach attested copies of Detail Marks Cards of all the Eight Semesters of B.Tech. & provisional degree certificate (indicating overall percentage of marks) from the institute last attended along with the application form.
10. The candidates with incomplete result (re-appear, result not declared, result awaited) at the time of counseling will not be considered for admission.
11. A Candidate seeking admission under particular reserved category should clearly mention his / her category at an appropriate place of the application form. He/she must provide claimed category certificate(s) as per the format available in Punjabi University Professional handbook of Information at the time of counseling. Also, these certificates must be issued by the appropriate authority. Otherwise, the candidate's claim will be forfeited.
12. Further, the candidates seeking admission under Rural Area category has to submit 'Rural Area Residence Certificate' in addition to the 'Education from Rural Area Certificate' as given in the university handbook of Information.
13. The order of preference given by the candidate regarding admission to M.Tech. (Regular & Part time) course at the time of filling admission-seeking form before counseling shall be treated as final & no request for any change in preference will be entertained later on.