

# BTECH PROGRAMMES OFFERED BY CUSAT

BTech Courses -- Cochin University College of Engineering, Kuttanad

Programme Name	Eligibility Criteria for Admission	Duration	Nature of Programme	Professional / Non-Professional	Intake
<b>Cochin University College of Engineering, Kuttanad</b> <b>Ph:0477-2707500</b> <b>Faculty of Engineering</b>					
B. Tech. Computer Science & Engineering.	Pass in the Plus Two Examination of the State of Kerala or any other examination accepted as equivalent thereto with Mathematics, Physics and Chemistry as optional subjects securing a minimum of 50% marks in Mathematics and 50% marks in Mathematics, Physics and Chemistry put together.	8 Sem.	Full-Time (Self-financing)	Professional	60
B. Tech. Electrical and Electronics Engineering.					60
B. Tech. Electronics & Communication. Engineering.					60
B.Tech. Information Technology					60
B.Tech. Mechanical Engineering.					60
B.Tech. Civil Engineering.					60



## BTech Courses -- School of Engineering, Thrikkakara

Programme Name	Eligibility Criteria for Admission	Duration	Nature of Programme	Professional/Non-Professional	Intake
<b>School of Engineering, Thrikkakara</b>		<b>Faculty of Engineering</b>		<b>Ph:0484-2556187</b>	
B. Tech. Civil Engineering.	Pass in the Plus Two Examination of the State of Kerala or any other examination accepted as equivalent thereto with Mathematics, Physics and Chemistry as optional subjects securing a minimum of 50% marks in Mathematics and 50% marks in Mathematics, Physics and Chemistry put together.	8 Sem .	Full-Time (Self-financing)	Professional	90
B. Tech. Computer Science & Engineering.					90
B. Tech. Electrical & Electronics Engineering.					60
B. Tech. Electronics & Communication Engineering.					90
B. Tech. Information Technology					90
B. Tech. Mechanical Engineering					90
B. Tech. Safety & Fire Engineering.					60

Department of Instrumentation		Faculty of Technology			
Ph:0484-2575008ng>					
Programme Name	Eligibility Criteria for Admission	D u r a t i o n	N a t u r e o f P r o g r a	P r o f e s s i o n a l / N o n - P r o f e s s i o n a l	I n t a k e



			<b>m m e</b>		
B. Tech. Course in Instrumentation Technology	<p>The candidates shall have passed the plus two (12th) examination of any state/national board with Mathematics, Physics and Chemistry or any other examination accepted as equivalent by the Cochin University of Science and Technology. The candidate shall have secured a minimum of 60% marks in Mathematics, Physics and Chemistry put together with at least 55% in Mathematics separately. The minimum eligibility for SEBC (belonging to Kerala State) is 55% for Mathematics, Physics and Chemistry put together with at least 50% for Mathematics.</p>	8 S e m .	Re gu la r D ay	Prof essio nal	2 8



<b>Department of Polymer Science &amp; Rubber Technology      Faculty of Technology</b> <b>Ph:0484-2575723</b>					
B. Tech. in Polymer Science & Engineering	Pass in Plus Two examination of the State of Kerala with Mathematics, Physics and Chemistry as optional subjects or any other examination accepted as equivalent thereto securing a minimum of 50% marks in Mathematics and 50% marks in Mathematics, Physics and Chemistry put together.	8 S e m .	Re gu la r- D ay	Prof essio nal	2 0
<b>Department of Ship Technology      Faculty of Technology</b> <b>Ph:0484-2575714</b>					
B. Tech. Naval Architecture & Ship Building	Should have passed Plus Two (10+2) examination conducted in Kerala or the examination of any other University/ Board accepted by the Syndicate of the University as equivalent thereto in First Class (60% marks) with Mathematics,	8 S e m .	Re gu la r D ay	Prof essio nal	2 8 + 1 5 se at s r es e r v e



	Physics and Chemistry as subjects of study. The candidate shall have secured a minimum of 50% marks in Mathematics as well as for Mathematics, Physics and Chemistry put together.				d fo r N a v a l c a n d i d a t e s
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## BTech Marine Engineering Course

Kunjali Marakkar School of Marine Engineering Ph:0484-2576606						Faculty of Engineering			
Programme Name	Eligibility Criteria for Admission	D u r a t i o n	N a t u r e o f P r o g r a m m e	Pro fess ion al/ Non - Pro fess ion al	In ta ke				
B.Tech. Marine Engineering (Residential Programme)	Pass in the Plus Two Examination of the State of Kerala or any other examinations accepted as equivalent thereto with	8 S e m .	F u l l t i m e	Pro fess ion al	80				



	<p>Mathematics, Physics, Chemistry and English as separate subjects with a PCM average of not less than 60% marks and minimum 50% for Mathematics alone. Should have passed English at 10th or 12th Standards with 50% marks.</p> <p><b>(applicable to SC/ST candidates also)</b></p> <p>Vocational/Diploma students are not eligible to apply.</p> <p>Maximum age limit prescribed is 25 years as on 1st September of the year of admission.</p> <p>Eligibility for admission is based on the directions from the DG shipping.</p>	(S el f- fi n a n ci n g - F ul ly R es id e nt ia l)							
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B.Tech programme in Marine Engineering is conducted with the approval of Directorate General of Shipping, Government of India, as well as AICTE. This consists of 8 semesters with one semester specifically for Afloat training which is carried out in ‘Ship-in-Campus’. Graduates from this course are given with the document of CDC and INDoS number by the D.G.Shipping, after which they can sail on board Merchant Ships as Junior Engineer officer. Placement service is rendered by the department for getting employment in Indian and foreign shipping Companies.

**Physical & eye fitness certificate from a medical officer approved by the DG Shipping should be produced at the time of admission. (The list of medical officers and agency are available in website [www.dgshipping.com](http://www.dgshipping.com)).** In this B.Tech programme the students are governed by separate rules regarding uniforms, hostel facilities, curricular and extra-curricular activities, training, discipline, attendance requirement besides a special fee structure. **However, candidates are advised to ensure themselves that they are medically fit in all aspects before submitting their options.**



## Fee Structure for BTech Courses

The Fee Schedule is based on pre-revised rates

S I. N o. .	Name of Programme		Rates of Fees		PTA	Caution Deposit		Total
			Tuition fees	Other fees		Lab/Computer	Library	
1	2		3	4	5	6	7	8
1	B.Tech.(Civil Engg., Computer Science & Engg., Electrical and Electronics Engg., Electronics & Communication Engg., Information Technology, Mechanical Engg., Safety & Fire Engg.)	State Merit	36750	7225	1575	525	525	<b>46600</b>
		All India Merit	68250	15165	1575	525	525	<b>86040</b>
		NRI **	100000	141215	1575	525	525	<b>243840</b>
		KS C/K ST#		475	1575	525	525	<b>3100</b>
2	B.Tech. (Marine Engineering)	State Merit	115500	71165	1575	10500		<b>198740</b>
		All India Merit	168000	85415	1575	10500		<b>265490</b>
		NRI **	160000	395415	1575	10500		<b>567490</b>



		KS C/K ST #		425	1575	10500		<b>1250 0</b>
3	B.Tech. (Instrumentation Technology)	GE N	12600	3700	1575	525	52 5	<b>1892 5</b>
		KS C/K ST		370	1575	525	52 5	<b>2995</b>
4	B.Tech.(Naval Architecture & Ship Building)	GE N	8400	5160	1575	525	52 5	<b>1618 5</b>
		KS C/K ST		370	1575	525	52 5	<b>2995</b>
5	B.Tech.(Polymer Science & Engineering)	GE N	8400	3540	1575	525	52 5	<b>1456 5</b>
		KS C/K ST		370	1575	525	52 5	<b>2995</b>

Note : For Sl.No. **1 & 2** the fees shown above is for the first year, while for sl.no. **3 to 5**, it is for the first semester.

\*\*Other fess Includes Rs.1,25,000/-- NRI refundable deposit. refunded without interest at the end of the course.

# For KSC/KST the fees for State Merit / All India Merit Seats are same.

## Communal Reservations

Rules for communal reservation framed by the Government of Kerala and implemented by the University from time to time will be applicable to the various academic programmes. Only candidates from 'Socially and Educationally Backward Communities' (SEBC) eligible for Kerala State communal reservation will be considered for seats earmarked for such communities, provided that the eligibility for such reservation shall be subject to satisfactory verification of relevant Community as well as Annual Family Income certificates issued by competent revenue authorities as prescribed by the rules of the University in force.

The percentage-wise reservation in force is given below:





### Professional Programmes

Scheduled Castes (KSC)	8%
Scheduled Tribes (KST)	2%
<u>SEBC (Socially and Educationally Backward Communities)</u>	
Ezhava /Thiyya / Billava (ETB)	9%
Muslim (MSM)	8%
Other Backward Hindus (OBH)	3%
Latin Catholic and Anglo-Indians (LCC)	3%
Other Backward Christian (OBX)	1%
Kudumbi (KMB)	1%
Dheevera (DHV)	2%
Pot Making Castes (PMC)	1%
Viswakarma (VSK)	2%
<b>Total</b>	<b>40%</b>

**“KSC/KST candidates are eligible for admission, if they have minimum pass marks in the qualifying examination except for Marine Engineering”. They can opt for payment category also and are not required to make any payments (except their common fee payable) once they get admission under this category.** They will have to produce original Community Certificate in the prescribed format issued by the competent revenue authorities at the time of Group Discussion and / or Interview / Counseling / Admission, whichever is held earlier as the case may be.

**Community Certificate and Annual family Income Certificate are to be issued by the Village Officer concerned for ‘SEBC’ candidates belonging to the state of Kerala and by the Tahsildar concerned for KSC/KST candidates belonging to State of Kerala for claiming admission under respective “Reservation” category.**

**Candidates belonging to states other than Kerala are not eligible for communal reservation.**



## Special Reservations

Besides communal reservation, specified numbers of seats are set apart under “Special Reservation” as detailed below. All applicants under this quota have to appear for the Common Admission Test/ Department Admission Test, as the case may be, unless otherwise specified.

## Physically Challenged

Physically challenged persons with minimum of 40% disability as certified by the Medical Board stipulated under relevant rules of Government of Kerala in the matter, are eligible for reservation. The certificate produced should be either in Malayalam or in English. 3% seats are reserved for physically challenged candidates for all B.Tech courses, except B.Tech Marine Engineering, Mechanical Engineering, Naval Architecture & Ship Building, Instrumentation, Polymer Science & Engineering and Safety & Fire Engineering. One seat each for all other academic programmes except M.Sc (Industrial Fisheries) is reserved for physically challenged candidates. The seats allotted to physically challenged candidates are supernumerary in nature. A certificate of disability in original from the District Medical Board certifying the percentage of disability issued **not earlier than 12 months prior to the date of counselling** / GD / interview / admission, whichever is earlier, has to be produced by the candidate. The percentage of disability shall not be an index for gaining eligibility / admission. Admission shall be based on merit of the candidates. However, a medical board constituted by the University will examine individual cases prior to admission. The decision of the board will be final.

## Sports Quota

**Reservation under Sports Quota is available for the following programmes :**

1. “Payment Category” of the B.Tech. Programmes offered by the SOE, CUCEK and the Kunjali Marakkar School of Marine Engineering.
2. B.Tech. Naval Architecture & Ship Building and Instrumentation Technology (Supernumerary Seats)
3. P.G. programmes where the sanctioned intake is 30 or more
4. M.C.A “Cost-sharing” programmes at Thrikkakkara and Pulincunnoo campus

The candidate should forward a copy of the confirmation page of online registration along with attested photocopies of sports merit certificates (highest achievements in each event) to **The Secretary, Kerala Sports Council, Thiruvananthapuram - 695001**. The Sports Council will allot marks to the candidates according to their proficiency in sports. The maximum mark for proficiency is 500. The minimum achievement required for consideration: Representing the Educational District / Sports School / Sports Hostels in the Kerala State Schools Championship and winning third place. The Sports Council shall forward the list along with the copy of the confirmation page of the students applied to CUSAT. The candidates should make sure that the list reaches the University before the deadline. **(30th April 2015)**. The marks



awarded to the candidates for proficiency in sports by the Kerala Sports Council will be added to the marks obtained by the respective candidates in the concerned Common Admission Test (provided they are ranked in the Common Admission Test). In the case of Management Programmes C-MAT(AICTE)/MAT(AIMA)/CAT(IIM) score (after normalization) will be added to the marks awarded by the Kerala Sports Council. The merit list for each course would be prepared on the basis of inter-se merit of the candidate computed as above. At the time of preparation of the rank list under sports quota, if there is any tie in the total marks, it will be resolved by the same principle of resolution of tie for the preparation of CAT Rank list. The seats under sports quota will be filled up according to the rank from inter-se Merit List prepared for Sports. The sports quota rank list will not be considered for filling up other categories of seats such as general merit.

Candidates who claim reservation under Sports Quota should produce, at the time of counselling, a certificate of eligibility for selection under this quota issued by the Kerala Sports Council, as per the guidelines published by them. The achievements in two financial years (1st April to 31st March) previous to the year of selection shall alone be considered. However, in the case of competitions which are not organized annually the immediately previous competitions shall be deemed as held in the previous two financial years for the purpose of this selection.

### **Jew**

In accordance with the relevant rules of the Government of Kerala, one seat as supernumerary in All India Merit category is available for candidates belonging to Jewish community for admission to B.Tech Engineering Programmes. In 2015 the seat for Jew Community is reserved in Electronics and Communication Engineering, School of Engineering, Kochi – 22.

### **Children of CUSAT Staff**

For the children of permanent employees of CUSAT one seat each is reserved as supernumerary in B.B.A.,LL.B (Hons.) and in the payment category of each branch of B.Tech Engineering programmes in SOE and CUCEK. SC/ST candidates who secure admission in this category are not eligible for any fee concession / refund as this is a privileged category seat.

### **Naval Candidates**

Fifteen seats for B. Tech (Naval Architecture and Ship Building) are reserved for Naval Candidates sponsored by Indian Navy.

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