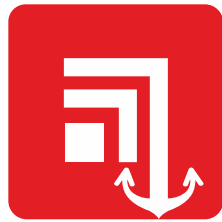


**CHITKARA**  
UNIVERSITY



SCHOOL OF  
**MARITIME**  
STUDIES

APPROVED BY DG SHIPPING, GOVT OF INDIA (MTI No. 106025)

**CHART  
YOUR FUTURE IN  
MERCHANT NAVY...**



Date of Publish:- 14th June, 2021

**CHANDIGARH**





Whatever the dream, Chitkara University can help you get there. Located just 30 km from Chandigarh, our campuses in Punjab & Himachal Pradesh offer a world of learning that will help you reach your goals. Avail the opportunity to get placed at one of the 700+ companies that visit for campus recruitment.

Breakthrough programs. Rising rankings. Outstanding alumni network. Highly rated academic credentials. Unlimited opportunities to embark upon research from day one. Experience global education with 250+ foreign University Partners. Kickstart your startup idea at one of the largest University Incubators. Any discipline you pursue at Chitkara University, your success is assured.



# CHITKARA UNIVERSITY - an overview

Our pride is driven by some of our accomplishments that have been a result of consistent investment in human resources, infrastructure and a laser sharp focus on student success during, and post their education with us.



## STRONG ACADEMIC HERITAGE

Established by passionate academicians with the sole mission of making each and every student "Industry ready".



## COUNTED AMONG THE BEST

Our programs are consistently ranked among the top 50 and the University is ranked among top 20 in the country.



## STRONG CAMPUS PLACEMENT

We have established an unassailable reputation for strong on-campus recruitments with more than 1500+ companies hiring our graduates year after year.



## LEARN FROM THE BEST

You'll work with some of the brightest and most inspiring academicians, lecturers and researchers in the world across all our programs.



## 5 STARS

All our institutions and academic programs are recognised and approved by UGC and various academic regulators.



## CLEANEST CAMPUS

Ranked as one of the cleanest Universities of India in the 'SWACHHTA' ranking of Govt. of India.



## MODERN FACILITIES

We have made huge investments in developing facilities with state-of-the-art labs, design studios, sporting and social facilities.



## LEADING INNOVATION

Our Incubator is the largest in North India with more than 200+ start-ups helping turn students' business ideas into reality.

## RECOGNISED FOR EXCELLENCE



Awarded **A+** rating by **National Assessment and Accreditation council (NAAC)** which places us among the top 5% of Higher education institutions in India.



Chitkara University in Punjab and Himachal Pradesh have once again been ranked among the Nation's Best in the **NIRF Ranking 2021**.



Out of a total of 1438 institutions, we are **ranked at No. 2** in the University & Deemed University (Self-Finance/Private) category across India.



Chitkara University is proud to be included in the QS World University Rankings: Asia for the first time ever in **21-22 edition**.



We are the only Indian university shortlisted for 'Technological Innovation of the Year' in '**Times Higher Education Asia Awards 2021**'.



Year after year, Chitkara University has been ranked among the **Top 10 Universities** of the country for filing maximum patents.

Chitkara University has been ranked among the best in India by leading publications including:







**CHITKARA**  
UNIVERSITY



**SCHOOL OF**  
**MARITIME**  
**STUDIES**

Chitkara University School of Maritime Studies, associate institution of Chitkara University is the first institution in Punjab to get Directorate General of Shipping (DGS) , Ministry of Shipping, Government of India approval for the following programs

- **3-Year B.Sc in Nautical Science**
- **Basic Safety Training**
- **Security Training for Seafarer with designated security duties**
- **GP Rating**

We aspire to become the centre of excellence for Marine Education in North India and build upon already strong academic heritage of Chitkara University.



### **MISSION STATEMENT:**

Chitkara University's School of Maritime Studies shall facilitate acquisition of the right Knowledge, right Skills and the right Attitude thereby promoting in candidates a passion for the profession. The School of Maritime Studies will constantly endeavour to expand its frontiers of Knowledge by introducing diverse educational programs meeting the futuristic requirements of the Maritime industry, keeping to its humanitarian ethos, holistic culture and value system.

### **VISION STATEMENT:**

To be a globally recognized Maritime Institution promoting academic excellence through Quality Training & Skill development.

### **CORE VALUES**

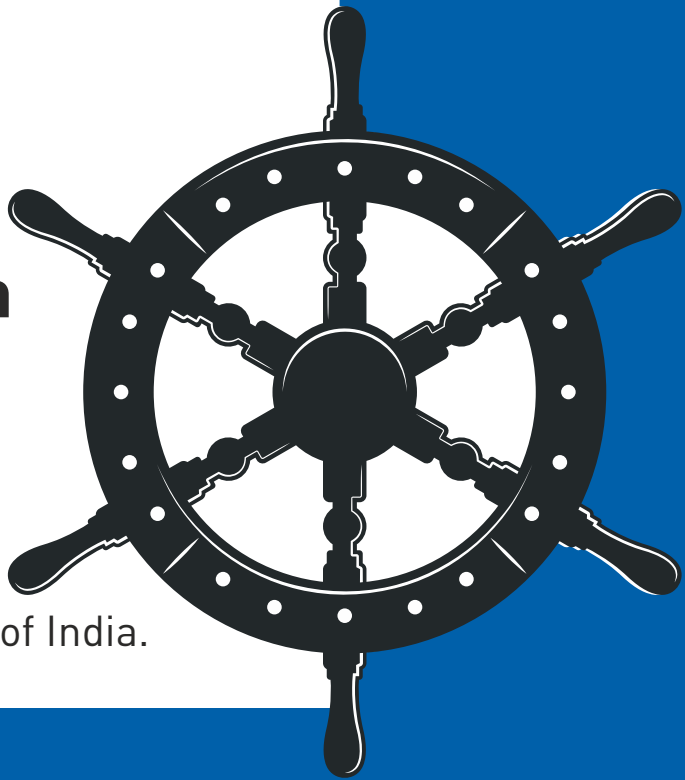
Chitkara University School of Maritime Studies' work will be based on ten core values:

- |                        |  |
|------------------------|--|
| <b>Leadership:</b>     | Serve as national leaders in maritime and oceans in professional education, research, training and capacity building |
| <b>Integrity:</b>      | Act equitably, impartially, and fairly in all actions  |
| <b>Respect:</b>        | Behave professionally and earn respect of others, both within and outside the organization                           |
| <b>Accountability:</b> | Ensure transparency and accountability in actions and outcomes   |
| <b>Collaboration:</b>  | Develop and maintain effective working relationships and strong partnerships at all levels                           |
| <b>Innovation:</b>     | Treat problem solving and work tasks with ingenuity  |
| <b>Transparency:</b>   | Encourage open communication and provide access to information   |
| <b>Efficiency:</b>     | Strive for timely, cost-effective, and accurate results  |
| <b>Compliance:</b>     | Ensure that policies are implemented and complied with   |
| <b>Sustainability:</b> | Support the sustainable development goals and actions relating to the maritime and ocean sectors                     |



# **B.Sc. NAUTICAL SCIENCE Residential Program Duration - 3 Year**

Duly Approved by  
Directorate General of Shipping,  
Ministry of Shipping, Government of India.



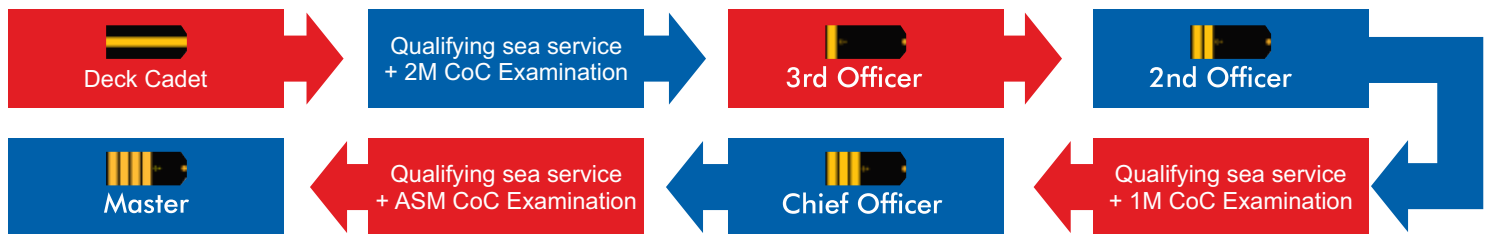
## **INTRODUCTION**

Nautical Studies deals with navigation, cargo operations, maintenance of ship and all legal and commercial matters pertaining to shipping business. Deck officers look after the Safety related to lifesaving and fire fighting. They participate in navigating the vessel across the oceans and along the coast. In port all cargo operations are either undertaken by them or conducted under their direct supervision. The Captain of the ship is the ultimate authority and responsible for maintaining the administration onboard. He is also the custodian of the cargo which is carried on his ship, thus making him liable for all legal & commercial matters.

Ships have always been the most efficient mode of transporting goods. This fact has not changed over the centuries even though technology has made enormous strides. In fact, the maritime industry has effectively harnessed technology to become increasingly more efficient and thereby sustain its comparative advantage over other forms of transport. The growth of global trade has led to a commensurate growth in the world fleet to well over 50,000 ships plying the world's oceans today.

A Deck Officer aboard a ship needs to function in the selfcontained environment of a ship at sea and must also demonstrate additional skills such as fire fighting and damage control, boathandling and the ability to carry out rescue operations in an emergency. Further, ships are required to remain in operation 24 hours a day, 365 days a year. All this makes the Deck Officer's job extremely challenging and demanding. At the same time the opportunity to travel the world, work with global organizations and experience varied technologies make navigation and ship handling an exciting career.

Flow Chart depicting progress after obtaining B.Sc. Nautical Science

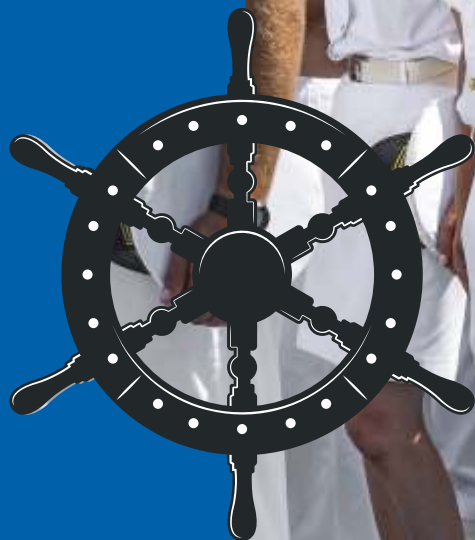


## CAREER PATH AS NAUTICAL SCIENCE

Opportunity to work as a Deck Cadet on Merchant Ship of Indian or Foreign companies after completing the course. On completion of the stipulated periods on the ship and passing Competency Examinations conducted by Directorate General of shipping, Ministry of Shipping, Government of India, Deck Cadet eventually becomes eligible to be posted as Captain of a Ship.

- As Deck Cadet -3 Years Degree (Nautical Science)+ Five Basic STCW modular courses
- Third Officer/ Second Officer - Specified sea service as a Deck Cadet+ 2nd Mate (FG) Certification
- Chief Officer - Specified sea service + First Mate (FG) course + Modular Courses + 1st Mate (FG) Certification
- Master (Captain) – Specified sea service + 1 month ASM Course + Master (FG) certification.





## B.Sc. NAUTICAL SCIENCE CURRICULUM

### Semester I

English & Communication  
Nautical Mathematics - I  
Nautical Physics  
Fundamentals of Computers - I  
GSK/Seamanship - I  
Navigation Terrestrial  
Nautical Physics (Practical)  
Seamanship (Practical) - I  
Chartwork & RoR - I  
Workshop Practice - I

### Semester II

Meteorology - I  
Nautical Mathematics - II  
Nautical Electricity & Electronics  
Fundamentals of Computers - II  
GSK/Seamanship - II  
Coastal Navigation  
Nautical Electricity & Electronics (Practical)  
Seamanship (Practical) - II  
Chartwork & RoR - II  
Workshop Practice - II  
Ship Construction - I

### Semester III

Meteorology - II  
Cargo Work - I  
Bridge Equipment & Watchkeeping - I  
Marine Engineering - I  
GSK/Seamanship - III  
Navigation Celestial - I  
Ship Stability - I  
Seamanship (Practical) - III  
Chartwork & RoR - III  
Workshop Practical - III  
Ship Construction - II

### Semester IV

Meteorology - III  
Cargo Work - II  
Bridge Equipment & Watchkeeping - II  
Marine Engineering - II  
GSK/Seamanship - IV  
Navigation Celestial - II  
Ship Stability - II  
Seamanship (Practical) - IV  
Chartwork & Voyage Planning - IV  
Ship Management, Conventions & Maritime  
Legislation (SMC) - I  
Workshop Practical - IV

### Semester V

Meteorology - IV  
Cargo Work - III  
Bridge Equipment & Watchkeeping - III  
Marine Engineering - III  
GSK/Seamanship - V  
Environmental Protection  
Ship Stability - III  
Ship Management, Conventions & Maritime  
Legislation (SMC) - II  
Workshop Practical - V  
Boat work

### Semester VI

HR Management, Development & Leadership  
Ship Construction - III  
Navigation Lab - Bridge Simulator  
Ship Management, Conventions & Maritime  
Legislation (SMC) - III  
GSK/Seamanship - VI  
Workshop Practical - VI  
Ship Stability - III  
Boat Work

After completion of the course, Students will be placed for ON-BOARD training as per DG Shipping norms, making them eligible to give competency exam for their promotions.



## ELIGIBILITY

- Pass in 12th Standard or equivalent examination with Physics, Chemistry, Mathematics and English as separate subjects with a PCM average of not less than 60%.
- 60% in 12th standard with Physics, Chemistry & Mathematics.
- Medical Fitness: As per Directorate General of Shipping (DGS) Norms
- Eyesight: No color blindness, Unaided 6/6 vision in both eyes
- Age Limit: 23
- Qualified in IMU CET
- Passport is mandatory to process INDoS
- All Applicants will undergo an entrance test of Chitkara University School of Maritime Studies. This test comprises of MCQ type Questions on Maths, Physics, Chemistry, English and General Aptitude covering syllabus of Class Xth to XIIth, similar to IMU CET.

## Fees

Students will be charged semester fees of **Rs.1,75,000 /-** which will include the following-

- The Complete Academic Fee per Semester with highly competent experienced faculty to impart Theory/Practical Training in State of the Art Classrooms.
- Hostel Charges per semester for AC three seater room.
- Healthy nutritious, high caloric rotational weekly menu to include variety in all daily 4 meals.
- Full unlimited laundry facility.
- One time two complete sets of summer/winter/ceremonial and sports uniform.
- Set of all technical text books authored by well experienced authors per semester.
- Sports period will be observed in State of art indoor stadium
- Swimming pool for students to hone their skills.
- A modern fully air conditioned indoor Gymnasium at a highly subsidised rate
- Spacious Food Court with variety of menu at a highly subsidised rate.
- Tie up with Multi speciality hospital with facility of round-the-clock doctor.

## Fees Structure

### Annual Fees for B.Sc. (Nautical Science)

Particular	Rs.
Tuition fees (including books & uniform)	2,00,000
Hostel Fees ( including boarding, lodging and laundry)	1,50,000
Total (Annual Fees)	3,50,000

Note: Fees to be paid Per Semester 1,75,000/-



## 6-Months GP RATING

**Approved by Directorate General of Shipping, Government of India. (MTI NO. 106025)**

The six months General Purpose Rating (GP Rating) Course is approved by the Directorate General of Shipping (Government of India). This course includes a broad range of practical, workshop and lab skills, using state-of-the-art instrumentation and on-board training.

The subject areas addressed include but are not limited to: English, Personality and Communication Skills, Health Hazards & Personal Safety, Usage of Life Saving Appliances & Fire Fighting Appliances, Safe Working Practices on Deck & in Engine Room, First Aid, Security at Sea, Engine Room Watch Keeping, Navigation & Watch Keeping, Ship's Maintenance, Cargo Handling and Stowage and Basic Environmental Protection.

The curriculum is a blend of theory and practical training along with skills like parade, swimming, sports, workshop training, rope and mast climbing, life-saving, firefighting exercises and ship visit. This course ensures higher employability of the Indian seafarers in the international market.

### **COURSE HIGHLIGHTS**

The course follows the curriculum as laid down by DG shipping in compliance with the STCW Course as promulgated by IMO. The curriculum besides essentially covering the academic knowledge lays stress on hands-on training for skill development.

GP Rating is a six months residential course as per the DG Shipping norms, requiring all the trainees to reside in-house. The course will cover all aspects of the seafaring profession (Deck and Engine). It also includes the basic STCW courses.



## ELIGIBILITY CRITERIA

- The candidate must have scored an aggregate 40% in 10th standard with Science and Mathematics as compulsory subjects from a recognized board.
- The candidate must have scored an aggregate 40% in English in 10th standard from a recognized board.
- The minimum age limit for this course is 18 and the maximum age limit for this course is 25 years.

OR

- The candidate must have passed 2 years ITI course from a govt. recognized institute with a minimum aggregate 50% in the final year.
- The candidate must have secured a minimum aggregate 40% in English.

OR

- A candidate who is a Diploma or Degree holder and the degree must be recognized by any State/Central Government or the AICTE.
- The maximum age limit for the degree or diploma is raised to 27 years, with a condition that they are candidates are provided with shipboard training within one year of completion of the course.
- Medical Fitness as per the DGS norms.
- Please note that passport is mandatory to process INDoS.

## CAREER OPTIONS

### AFTER THE COMPLETION OF THE COURSE

After the successful completion of the six months General Purpose Rating course, there is a wide range of job prospects and opportunities available. GP Rating candidates have been trained in both Deck and Engine Room duties. Depending on the demands of the organization, such ratings may be used in the deck department and/or the engine department. They are responsible for tasks such as seamanship, cargo handling, deck maintenance and machinery operation & maintenance.

The Indian seafarers' employability in the global market has improved as a result of this course.

Students who successfully pass the examination (BES) are issued INDIAN CDC and are eligible for ship jobs around the world. The students can join a ship as:

- Trainee OS (Ordinary Seaman)
- Trainee Fitter
- Trainee Oiler
- Trainee Engine Room Cadet (for Diploma holders)

Based on their performance and sea service, they can be promoted to, Able-Bodied Seamen / Motor Man.

They can also aspire to become Officers after attaining the required sea service and obtaining CoC.



## FEE STRUCTURE

Tuition, Uniform, Books & Stationary	105,000
Hostel(3-sharing), Mess & Laundry	60,000
STCW courses	20,000
BES Trust exam fee and CDC	10,000
Total	1,95,000





# STUDENT LIFE EXCITEMENT REDEFINED







# 100+

## STUDENT CLUBS



**There are countless opportunities to get active and involved,** engaged and enriched, and we want you to become a part of our diverse community of people who work together to make an impact on the future and have fun in the present. With more than 100+ student clubs and organisations based on a wide range of academic, cultural, and recreational areas of interest, you can find a way to express yourself.











[www.chitkara.edu.in/marine](http://www.chitkara.edu.in/marine)  
[admissions@chitkara.edu.in](mailto:admissions@chitkara.edu.in)

For more information about the University  
give a miss call on 1800 267 1999

Admissions Helpline  
+91 95011 05633

**CHITKARA**  
UNIVERSITY



SCHOOL OF  
**MARITIME**  
STUDIES

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