

B.S. Nautical Technology

Type of Input: 10+2 from Central / State Board or its equivalent with Physics, Chemistry and Mathematics along with adequate proficiency in English. Short-listed candidates will be required to take a Written Test and Interview at their own expense at Induri / Madurai for getting admission.

Duration Normally Eight Semesters

Special Feature: This is specially designed 4-year integrated programme with classes and laboratory work conducted entirely at Tolani Maritime Institute (TMI), Induri, Pune – 410 517, and at R.L. Institute of Nautical Sciences (RLINS), Madurai – 625 022.

Year	First Semester		U	Second Semester		U
I	NT** ZC111	English Language Skills	2	NT** ZC112	Workshop Practical	2
	NT** ZC121	Engineering Mathematics –I	3	NT** ZC122	Engineering Mathematics – II	3
	NT** ZC131	Applied Mechanics –I	3	NT** ZC132	Applied Mechanics-II	3
	NT** ZC141	Geometrical Drawing	2	NT** ZC242	Seamanship & Survival at Sea	2
	NT** ZC151	Workshop Technology	4	NT** ZC152	Nautical Physics	2
	NT** ZC161	Applied Electricity	4	NT** ZC162	General Cargo Handling & Stowage	3
	NT** ZC171	Maritime Geography	2	NT** ZC172	Strength of Materials	3
	NT** ZC181	Introduction to Computers	3	NT** ZC182	Computer Applications	3
				NT** ZC192	Social studies	2
	Total		23	Total		23
II	NT** ZC213	Electronics – I	2	NT** ZC211	Probability & Statistics	3
	NT** ZC221	Chart Work – I	3	NT** ZC212	Celestial Navigation – I	3
	NT** ZC223	Engineering Materials	3	NT** ZC214	Electronics –II	2
	NT** ZC231	Collision Prevention	2	NT** ZC222	Chart Work – II	3
	NT** ZC241	Marine Signalling	3	NT** ZC232	Bridge Equipment & Watchkeeping – I	3
	NT** ZC251	Principles of Navigation	3	NT** ZC242	Hazardous Cargo Handling & Stowage – I	3
	NT** ZC261	Hydraulics	3	NT** ZC252	Meteorology – I	3
	NT** ZC291	Ship Structure & Construction	3	NT** ZC372	Ship Fire Prevention & Control	3
	Total		22	Total		23
III	NT** ZC311	Celestial Navigation – II	3	NT** ZC312	Chart Work – III	3
	NT** ZC313	Naval Architecture	3	NT** ZC322	Marine Machinery systems	3
	NT** ZC321	Meteorology – II	3	NT** ZC332	Hazardous Cargo Handling & Stowage – II	3
	NT** ZC331	Ship Routine & Maintenance	2	NT** ZC342	Marine Environment protection	2
	NTTIZC341	Bridge Equipment & Watchkeeping - II	3	NT** ZC351	Principles of Management	3
	NT** ZC421	Ship Operation & Management	3	NT** ZC352	Technical Report Writing	3
	NT** ZC441	International conventions & IMO	3	NT** ZC362	Ship Manoeuvring & Emergencies	3
	NT** ZC471	Operations Research	3	NT** ZC372	Advanced Ship Construction & Stability	3
	Total		23	Total		23
IV	NT** ZC442	Internship – I	20	NT** ZC443	Internship –II	20
	Total		20	Total		20

Note 1: This is the currently operative pattern as approved by the Senate-appointed committee, subject to change if the situation warrants.

Note 2: For the course numbers in the above chart, the symbol ** can be substituted by **TI** for TMI and **RI** for RLINS.