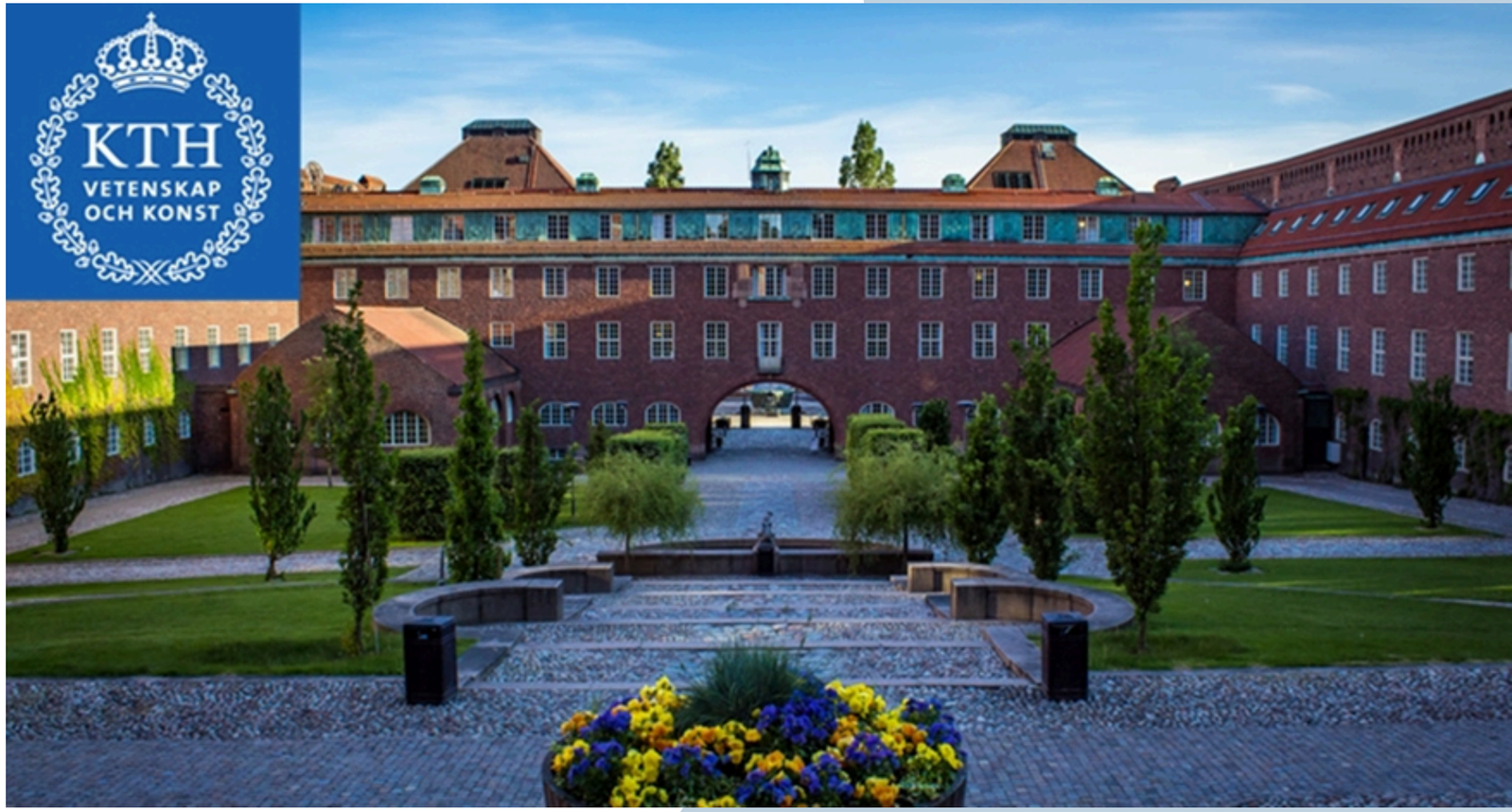
Dual Degree programme between UNIBO and KTH

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



DUAL DEGREE PROGRAMME: WHAT IS IT?

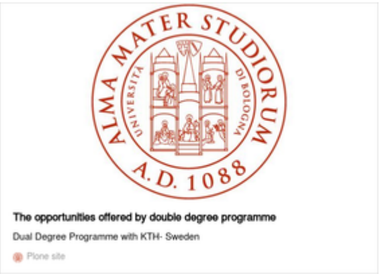
A Dual Degree programme is an **integrated study programme** offered upon the agreement between at least 2 universities of different countries, where students carry out part of their academic career at the host university (1 academic year).

At the end of the study programme, students are **awarded the degree diploma of both universities**, legally valid in both countries. In our case, students completing this Dual Degree programme will receive:

Laurea Magistrale in **Aerospace Engineering from the University of Bologna** (2-year degree programme, 120 ECTS/CFU)
and
Master Degree in A**erospace Engineering from KTH** (2-yeardegree programme, 120 ECTS/CFU)

THE DUAL DEGREE UNIBO - KTH PROGRAMME STRUCTURE

- The standard study path is 60 - 65 ECTS, including the final thesis at the hosting institution (KTH).
- Students partecipating in the mobility programme are exempt from paying the university admission fee at KTH, exempt for the degree granting fee, if required. Students will continue paying fees at UNIBO for A.Y. 2026/2027.
- Students must earn no less than 60 ECTS at the hosting institution and the total credits earned at both UNIBO and KTH must sum up to at least120 ECTS.
- The common integrated study programme is attached to the **Agreement** together with **correspondence tables**



THE DUAL DEGREE PROGRAMMESTRUCTURE

- In the study programme students must select some elective activities; the rest of exams are defined in the correspondece tables
- For the final degree project, both institutions nominate one examiner who is responsible for the arrangement of the topic and subject area of the project; it must always receive an advance approval in writing and it will be carried out under the supervision of the examiner of the hostinstitution.
- Students will obtain the degree qualification at the University where they defend their final dissertation

THE DUAL DEGREE PROGRAMME STRUCTURE

- Unibo students defend their thesis at KTH: they will obtain their master’s degree at KTH
- KTH students defend their thesis at Unibo: they will obtain their degree at Unibo

Unibo students will request the recognition of their master’s degree obtained from KTH at Unibo.

STUDY PROGRAMME MOBILITY
CURRICULUM AERONAUTICS

ANNEX 1

AERONAUTICS

Study programme for students from UNIBO enrolled in Laurea Magistrale in Aerospace Engineering curr. Aeronautics

FIRST YEAR AT UNIBO

I YEAR @ UNIBO	CREDITS	PERIOD	YEAR	EQUIVALENT @ KTH	CREDITS	PERIOD	YEAR
AEROSPACE STRUCTURES	6	1	1	SD2411 Lightweight Structures and FEM	8	1	1
FATIGUE AND DAMAGE TOLERANCE	6	1	1				
ATMOSPHERIC FLIGHT DYNAMICS	6	2	1	SD2900 Fundamentals of Spaceflight	7,5	1	1
HELICOPTERS	6	2	1	SD2601 Fundamentals of Flight	7,5	1	1
MATHEMATICAL METHODS FOR ENGINEERING	6	1	1	ELECTIVE COURSE	4,5	1	1
APPLIED AERODYNAMICS	6	1	1	SF2863 Systems Engineering	7,5	1	1
FLOW STABILITY AND TURBULENCE	6	1	1				
NUMERICAL ANALYSIS	6	1	1	SD2805 Flight Mechanics	9	2	1
2 ELECTIVE COURSES (SEE TABLE 1)	12	1	1	2 ELECTIVE COURSES (SEE TABLE 2)	16		
CREDITS FIRST YEAR	60			CREDITS FIRST YEAR	60		

SECOND YEAR AT KTH

II YEAR @ KTH	CREDITS	PERIOD	YEAR	EQUIVALENT @ UNIBO	CREDITS	PERIOD	YEAR
SD2810 Aeroelasticity	9	2	2	DESIGN METHODS IN THE AEROSPACE INDUSTRY	6	1	2
AK2030 Theory and Methodology of Science (Natural and Technolog	4,5	1	1	EXPERIMENTAL METHODS IN AERODYNAMICS	6	1	2
MJ2523 Aircraft Propulsion, General Course	6	1	2	AEROSPACE TECNOLOGIES AND MATERIALS	6	1	1
SD2806 Transonic and supersonic aircraft aerodynamics	6	1	2	UNMANNED SYSTEMS	6	1	2
1 ELECTIVE COURSE (SEE TABLE 2)	4,5			1 ELECTIVE COURSE (SEE TABLE 4A)	6	1	2
THESIS	30	2	2	INTERNSHIP ABROAD	6		
				THESIS	24		
CREDITS SECOND YEAR	60			CREDITS SECOND YEAR	60		
TOTAL CREDITS - KTH DEGREE (60+60)	120			TOTAL CREDITS - UNIBO DEGREE (60+60)	120		

STUDY PROGRAMME MOBILITY

CURRICULUM SPACE

SPACE

Study programme for students from UNIBO enrolled in Laurea Magistrale in Aerospace Engineering curr. Space

FIRST YEAR AT UNIBO

I YEAR @ UNIBO	CREDITS	PERIOD	YEAR
AEROSPACE STRUCTURES	6	1	1
FATIGUE AND DAMAGE TOLERANCE	6	1	1
ATMOSPHERIC FLIGHT DYNAMICS	6	2	1
SPACECRAFT ORBITAL DYNAMICS AND CONTROL	6	2	1
MATHEMATICAL METHODS FOR ENGINEERING	6	1	1
APPLIED AERODYNAMICS	6	1	1
FLOW STABILITY AND TURBULENCE	6	1	1
NUMERICAL ANALYSIS	6	1	1
2 ELECTIVE COURSES (SEE TABLE 1)	12		
CREDITS FIRST YEAR	60		

EQUIVALENT @ KTH	CREDITS	PERIOD	YEAR
SD2411 Lightweight Structures and FEM	8	1	1
SD2900 Fundamentals of Spaceflight	7,5	1	1
SD2601 Fundamentals of Flight	7,5	1	1
AK2030 Theory and Methodology of Science (Natural and Technological Science)	4,5	1	1
SF2863 Systems Engineering	7,5	1	1
SD2910 Spacecraft Dynamics	9	2	1
SD2920 System Integration for Space Technology, Part 1	3	2	1
ELECTIVE COURSES (SEE TABLE 2)	13		
CREDITS FIRST YEAR	60		

SECOND YEAR AT KTH

II YEAR @ KTH	CREDITS	PERIOD	YEAR
AK2030 Theory and Methodology of Science (Natural and Technological Science)	4,5	1	1
EF2260 Space Environment and Spacecraft Engineering	6	1	2
EF2240 Space Physics	6	1	2
EF2262 Data Handling Systems for Satellites	6	1	2
1 ELECTIVE COURSE (SEE TABLE 2)	7,5	1	2
THESIS	30	4	2
CREDITS SECOND YEAR	60		

EQUIVALENT @ UNIBO	CREDITS	PERIOD	YEAR
ROCKET PROPULSION	6	1	2
SPACECRAFT SUBSYSTEMS AND SPACE MISSION DESIGN	6	1	2
SPACECRAFT ATTITUDE DYNAMICS AND CONTROL	6	1	2
RADIO COMMUNICATION AND RADAR SYSTEMS	6	1	2
ELECTIVE EXAM (SEE TABLE 4B)	6	1	2
INTERNSHIP ABROAD	6	2	2
THESIS	24	2	2
CREDITS SECOND YEAR	60		

TOTAL CREDITS - KTH DEGREE (60+60)	120

TOTAL CREDITS - UNIBO DEGREE (60+60)	120

STUDY PROGRAMME MOBILITY

ELECTIVE EXAMS

		Period
AG1321 Remote Sensing Technology	75	1
AH2923 Global Navigation Satellite Systems (GNSS)	75	3
EF2200 Plasma Physics	6	1
EF2240 Space Physics	6	1
EF2243 Solar System Physics	75	2
EF2245 Space Physics II	75	2
EF2260 Space Environment and Spacecraft Engineering	6	2
EF2262 Data Handling Systems for Satellites	6	Autumn
EF2264 Operation of Space Systems	6	Autumn
EH2720 Management of Projects	75	1
EL2520 Control Theory and Practice, Advanced Course	75	4
EL2620 Nonlinear Control	75	2
HL2035 Biomechanics and Neuronics	6	2
MJ2523 Aircraft Propulsion, General Course	6	1
MJ2524 Aircraft Propulsion, Advanced Course	6	2
SD2413 Fibre Composites - Analysis and Design	6	4
SD2414 Fibre Composites - Materials and Manufacturing	6	3
SG2215 Compressible Flow	75	4
SG2219 Advanced Compressible Flow	75	1
SH1003 Introductory Astronomy for Engineers	7.5	3

TEACHING CALENDAR AT KTH

autumn term

24 August 2026 – 11 January 2027
2 teaching periods and two exams periods

spring term

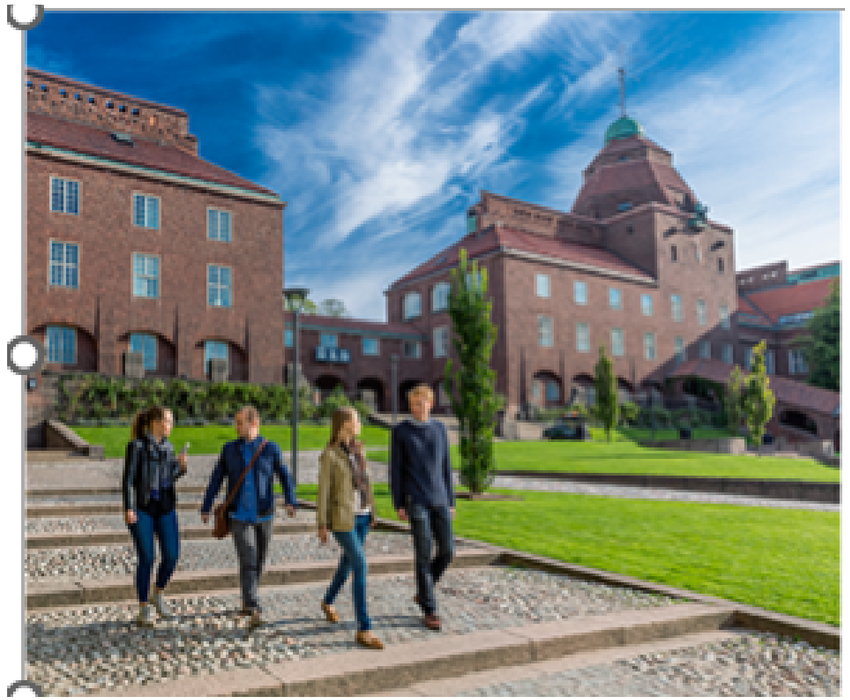
12 January 2027 – 31 May 2027
2 teaching periods and two exams periods

academic life

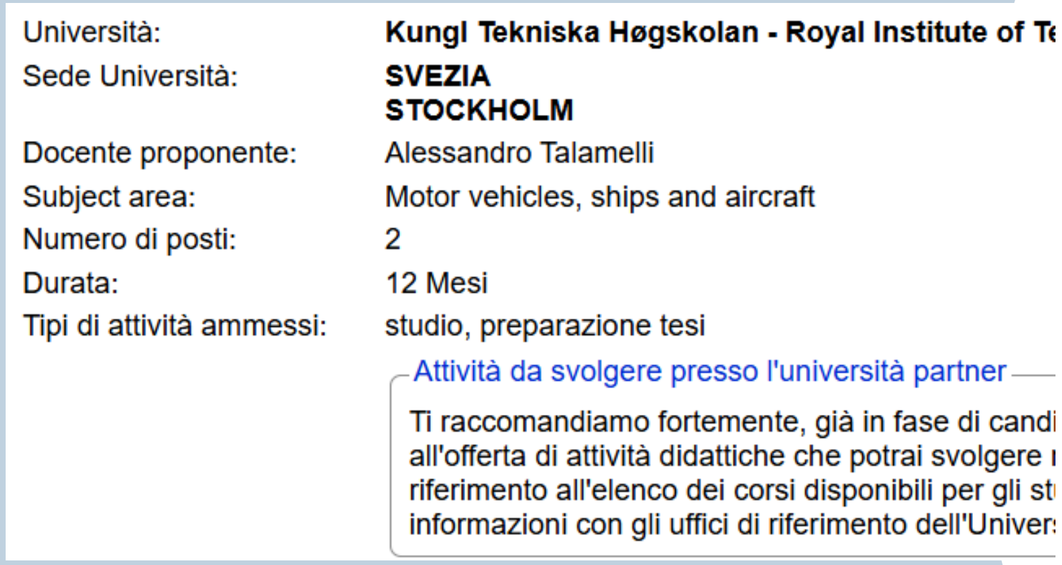
Upcoming academic year 2026-2027 | Student

Find dates for study and exam periods, as well as other important dates to keep in mind.

KTH



HOW TO APPLY



Università:	**Kungl Tekniska Høgskolan - Royal Institute of Te**
Sede Università:	**SVEZIA** **STOCKHOLM**
Docente proponente:	Alessandro Talamelli
Subject area:	Motor vehicles, ships and aircraft
Numero di posti:	2
Durata:	12 Mesi
Tipi di attività ammessi:	studio, preparazione tesi

Attività da svolgere presso l'università partner

Ti raccomandiamo fortemente, già in fase di candi
all'offerta di attività didattiche che potrai svolgere r
riferimento all'elenco dei corsi disponibili per gli st
informazioni con gli uffici di riferimento dell'Univers

Applications are **only processed through the Erasmus+ 2026/2027 for studies call for applications,** open from beginning of January to **5th February 2026 by 1.00pm**. Interested students must meet the Erasmus+ requirements **plus** the additional requirements indicated in the call for applications.

Applications may only be submitted through **AlmaRM**

HOW TO APPLY

Compulsory additional documents to upload- if not uploaded, the application will be considered incomplete

- Academic CV written in English
- A valid B2 language certificate/CLA language test
- Proposed study plan
- Valid visa or residence permit for non-EU students.

The compulsory interview in English language will be carried out on **Thursday 19th February 2026 at 2.00pm at the Department of Industrial engineering premises.**

The 2 selected students will receive a financial contribution during their mobility to KTH through the Erasmus+ mobility for studies programme

CALL FOR APPLICATIONS

https://bandi.unibo.it/s/diri/bando-erasmus-studio-a-a-2026-27

INFO MEETINGS

- **Wednesday, January 14** – 1:00 PM to 2:30 PM, Aula 0.1, Via Montaspro 97, Forlì and online on Teams
- **Thursday, January 15** – 9:00 AM to 12:00 PM, Aula 1, Teaching Hub, Viale F. Corridoni 20, Forlì and online (link will follow)
- **Thursday, January 15** – 12:00 PM to 2:00 PM, Aula 9, Teaching Hub, Viale F. Corridoni 20, Forlì and online (link will follow) in English language

CONTACTS

Queries on the **Erasmus+ call for applications:**
didatticaforli.internazionalizzazione.ing@unibo.it

Queries on the **Dual Degree programme**:
giulia.chiadini2@unibo.it
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Thank You