

ENAC FACT SHEET 2023/2024



Institutional Details

Name of Institution	ENAC , Ecole Nationale de l'Aviation Civile, The French Civil Aviation University
Address	ENAC 7 avenue Edouard Belin BP 54005 31055 Toulouse Cedex 4
Erasmus ID Code	F TOULOUS18
Internet Address	http://www.enac.fr

Head of Institution

Name	Olivier CHANSOU, Director General
Email	Olivier.chansou@enac.fr

Head of the International Office/ Erasmus Coordinator


Name	Marc CHOUFFOT, Head of International & Corporate Academic Relations
Email	study_abroad@enac.fr

Ecole Nationale de l'Aviation Civile

7 avenue Edouard Belin BP 54005

31055 TOULOUSE CEDEX 4

Téléphone : 05 62 17 40 00 - site internet : www.enac.fr

Etablissement Public à caractère scientifique, culturel et professionnel - Direction Générale de l'Aviation Civile. 

Application procedures and deadlines

All information presented here are available also on <http://studyabroad.enac.fr> login as guest with no password

Application deadlines for exchange and double degree students are May 1st for Fall semester (odd semester number: semester 7, semester 9) and October 15th for Spring semester (even semester number: semester 8).

Partner university's international office should have received the following link for exchange student application and an explanation of the process:

<https://aurion-prod.enac.fr/faces/CreationCompte.xhtml>

The application documents are the following:

For exchange students:

- Curriculum Vitae - pdf file format
- Id photo (3.5x4.5 cm, colour, less than 100kbytes) - jpeg file format
- Cover Letter stating their reasons for applying at ENAC and for the specific programmes they have selected - pdf file format.
- A copy of the Passport pages or ID card showing names, date and place of birth, and date of expiration pdf file format.
- Official Transcript of records in English, and description of the institutional grading/credit system if different from the official ECTS system - pdf file format. All transcripts shall be bundled into one single file in reverse chronological order (latest first) when possible.
- Language proficiency test in the language of instruction (French or English)
- Learning agreement signed by Institution of Origin - pdf file format
- Letter of Nomination - pdf file format – or nomination via Erasmus online learning agreement (rappeler le lien)
- Proof of enrolment - pdf file format
- for EU citizen copy of the EU health insurance card - pdf file format.
- for non-EU citizen copy of the health insurance will be required on the day of arrival - pdf file format


We can accept different language proficiency test results. B2 level in the language of instruction (French or English) is required.

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For Double Degree students:

In addition to all the above:

- 2 recommendation letters by teachers or professionals related to the field of your applied field of study - pdf file format.
- Official language proficiency tests (TOEFL, TOEIC, ...) B2 required in French and English.

For Internship at ENAC:

Students who wish to do a Master thesis **internship in the ENAC lab** shall contact Study Abroad Office by email : study_abroad@enac.fr. You must include in your email your transcripts from your home university, the duration of project (number of months) and information about in which field you would like to perform your internship. The study abroad office will transfer your application to the adequate research team. No deadlines are applicable, but a minimum of 4 months advance notice is required.

Courses and projects

Exchange students can apply for the following programs at ENAC:

- **ENAC Ingénieur Programme (IENAC)** - equivalent to a MSc in Aerospace

The curriculum comprises 6 semesters (from semester 5 to semester 10). Semesters 5 to 8 are given in French. Semester 9 is given in English only for OPS Major. Semester 10 is an end of studies project within a corporation and is accessible **only to double-degree** students.

Within the IENAC Semesters 7, 8 and 9 you can choose among several majors:

- Major Avionic systems (AVI) (in French)
- Major Space and aeronautical communications (SAT) (in French)
- Major Operations and Safety (OPS) (S7 and S8 in French, S9 in English)
- Major Informatics systems of air transport (SITA) (in French)

Students once admitted will also have to choose among a set of minors (75 teaching hours) given in English or in French.

- **Master of Science in International Air Transport System Engineering and Design (IATSED)**

Courses are given in English. The curriculum is made of 4 semesters. Students can choose among semesters 7, 8 or 9.

- **Master of Science in Aerospace Systems - Navigation and Telecommunications (AS-NAT)**


Courses are given in English. The curriculum is made of 4 semesters. Students can choose the semester 7.

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➤ **Master of Science in International Air Transport Operations Management (IATOM)**

Courses are given in English. The curriculum is made of 4 semesters. Students can choose among semesters 7, 8 or 9. Due to a very limited number of places available (maximum 2) these places are only available to selected partners.

How to choose my courses

Exchange students may not combine courses from different semesters or different programmes/majors.

For example, if you choose to come to ENAC in Fall and follow the semester 9 of the IENAC program (or IATSED/AS-NAT program) you can only choose courses from the semester 9 of the program that you have selected. You cannot “cherry pick” some courses from semester 7 and some courses from semester 9 in the IENAC program. You cannot “cherry pick” some courses from the IATOM program and some courses from the IATSED program, etc.

To help you, please check the pre-filled examples of Learning Agreements on this page:
<http://studyabroad.enac.fr>

The selection of courses must always be approved by the home University (validated learning agreement either pdf file or through Erasmus Online Learning Agreement platform).

Examination re-sits: There is only one exam session per exam. Re-sits are decided by the board of examiners and are not organised during the same semester if they are organised at all.

Course catalogue is available at <http://formations.enac.fr/en/index.html>

Exchange students are also welcome to perform a **final degree project at ENAC**. However, there is no service provided to match student requests with on-going research projects at ENAC. A student who wants to carry out a project must contact the Study Abroad Office by email : study_abroad@enac.fr, that will give the student the contact of the research group or professor, so that the student can contact them and arrange with them before applying.

After following these steps, the student can then apply as an exchange student.

Academic calendar

Each programme has its own start and end dates.

For students applying to [double degree programmes](#), the [2 weeks aeronautical catch-up module](#) is [mandatory](#): the start date is August 21, 2023 (two weeks before start of IENAC Semester 7).

Semesters approximative dates:

- Odd Semesters (Fall): from the end of August/ beginning of September to the end of January/beginning of February

Start of the courses:

IENAC22 (4th year): 04/09/2023, with a catch-up module on 21/08/2023 (duration: 2 weeks)

IENAC21 (5th year): 25/09/2023

IATSED23 + AS-NAT23 (1st year): 04/09/2023, with an administrative session on 31/08/2023

IATSED22: 18/09/2023

AS-NAT22 (1st year): 25/09/2023

IATOM23 (1st year): 04/09/2023, with an administrative session on 01/09/2023

- Even Semesters (Spring): from the end of January/beginning of February to the end of June

Holidays:

October 2023 - 1 Week (All Saints)
December 2023 - 2 Weeks (Christmas)
February 2024 - 1 Week
April 2024 - 1 Week (Easter)

Credits and Grades


ENAC partly applies the ECTS (European Credit Transfer System) which is based on the principle that 60 credits measure the workload of a full-time student during one academic year.

Scores are given on a 0 to 20/20 scale (20 being best). Validation of credits are dependent on performance at examinations with regards to a predefined threshold for the course. The Coefficients and threshold grades sheet for each semester. Programme is given to students at the beginning of the semester. Credits are granted for courses where the student has achieved a score equal or above 10/20 or for groups of courses (modules) where the weighted average score is above 10/20. Exchange students are **not** subject to the 7/20 threshold within a module.

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Grades for acquired credits are given on the following basis:

best 10% of the group: A
following 30% of the group: C
last 10% of the group: E

following 25% of the group: B
following 25% of the group: D

Students failing will not be granted credits and will receive the grade letter F.

Validation of semester to gain access to the following semester requires all credits validated in the semester.

Visa

Students from many countries, especially outside Europe, need to apply for a visa/residence permit for studies before entering France. Further information and application forms regarding visa/residence permit may be obtained from the French Embassy or Consulate in the home country or from CampusFrance on www.campusfrance.org

All Non EU students are strongly advised to apply as soon as they receive their letter of acceptance.

Health Insurance

EU/EEA citizens and the European insurance card

Students from EU/EEA member countries should bring the European Insurance card. The card states that the cardholder is entitled to health care on the same conditions and at the same price as French citizens. Students from UE are covered by the Social security of their country through the health insurance European card.

The “EU-card” does not mean that supplementary insurance is not necessary. Students may still need it to reduce the health care costs.

Non EU/EEA citizens

It is very important that students from non EU/EEA countries have a valid and complete insurance coverage since it is a prerequisite for securing a visa. Consequently, we strongly advice students to buy a travel/study abroad insurance in their home country before arrival in France. Important areas that the insurance should cover; personal injury, medical and dental care, accidents, home transportation (in case of injury or illness).

Students from outside UE have to connect to the website: www.etudiants-etrangers.amelie.fr, upload documents and print a certificate of Social security affiliation.


Complementary healthcare insurance:

It is advisable to take out private medical insurance to cover the portion of your medical expenses not covered by social security. You are free to choose any private medical insurance scheme, but we do advise you to take one of the two student medical insurance organisations, as they include "Student" insurance which covers public liability during training courses. You will be required to produce such

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insurance if you undertake a vocational training course with a company, when you sign the agreement with them. More information here: <https://www.etudiant.gouv.fr/en/welcome-france-2063>

Registration

All international students at ENAC are provided with a Student card (Carte d'étudiant). This card gives access to the ENAC, to its restaurant with discount on meals, to computer rooms and to the individual housing at ENAC. The card gives also access to discounts for cinemas, some restaurants and many other activities.

French language courses

ENAC offers free French language courses (different levels), 2 hours per week during fall and spring semesters.

Buddy Program

ENAC has set up a Buddy Programme to help students settle in France. The principle is to link a French student with an international student studying at ENAC. French students will provide them with useful tips about the academic and social activities on campus, life in Toulouse and France. Registration link: <https://sites.google.com/view/enac-international-club/buddy-program/applications>

Accommodation

ENAC has on campus housing for students. There are several levels of housing types. Housing for exchange students has to be reserved in advance; the type of accommodation is dependent on the places available. Housing application is done on the ENAC site:

www.enac.fr > campus > campus accommodation > [Click here to book now.](#)

Housing details will be given to students accepted by ENAC in June/July for fall semester or in December for spring semester applications.

E-mail address/ account

All ENAC students receive a personal e-mail account. The account is administered through the Study Advisor. Students also get a computer lab card that grants access to ENAC and the computer labs.

The Study Abroad Team

<p>Marc CHOUFFOT Head of International and Corporate Academic Relations</p> 	<p>Stéphanie LOPEZ International and Corporate Academic Relations Manager</p> 	<p>Maria VAUQUELIN International and Corporate Academic Relations Manager</p> 	<p>Jocelyne ZANETTE International & Corporate Academic Relations Assistant</p> 
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Attached as an appendix; models of Learning Agreement

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IDENTITE/IDENTITY

Nom de l'étudiant/Name of student:Prénom/First name :

Sexe/Gender : FM

Nom de l'établissement d'envoi/Name of sending institution :

Code Erasmus de l'établissement d'envoi (le cas échéant) /Erasmus code (if relevant) :

ETABLISSEMENT D'ACCUEIL/HOST INSTITUTION

Nom de l'établissement/Name of receiving institution : École Nationale de l'Aviation Civile

Code Erasmus de l'établissement/Erasmus code : F TOULOUS18

Pays/Country : FRANCE

Période d'études/Study period : semestre 1/semester 1

L'établissement d'accueil délivrera un diplôme ?/Will the receiving institution deliver a degree ?

Oui/Yes

Non/No

Double/Double

DETAILS DU CONTRAT D'ETUDES / DETAILS OF THE LEARNING AGREEMENT

Course unit code (if any) and page no. of the course catalogue	Course unit title in the host institution (as indicated in the course catalogue)	Number of ECTS credits
	IENAC_MAJOR_OPS (ENGLISH)	
	MAJOR Air Operations and Safety (OPS) (ENGLISH)	20
MA5014	Introduction to combinatorial optimization	5
OP5013	Optimization applied to airlines	
OP5010	Airline information system	
IS5010	Security of Information System	
AE5002	Aircraft Sizing	5
SF5002	Dependability- safety analysis	4
RG5002	Aircraft systems certification	
RG5003	Aircraft structures certification	
RG5004	Engine and powerplant certification	
RG5020	Safety Management System	
AV5002E	On-board CNS systems	4
CS5015	Design methodology	
AV5011	Automatic Flight Controls	
ME5001	Management by quality	2
ME5002	Processes and performance Management	
	Choose one MINOR Example: Air Transport corporations Strategy (or another minor)	6
EC5020E	Airline strategies	6
EC5021E	Air transport markets	
EC5022E	Pricing and revenue market	
	PROFESSIONALISATION ERASMUS	4
LV5001E or LV5002	English or French language and culture (or both)	4
SH5002	Communicating effectively and managing conflicts	
	TOTAL CREDITS ECTS	30

Le système d'équivalence des notes obtenues dans l'établissement d'accueil doit être juste, équitable et transparent.
Fair translation of grades must be ensured, and the student has been informed about the methodology.

Signature de l'étudiant(e)/Student's signature :

Date : ____/____/ 20

ETABLISSEMENT D'ENVOI/SENDING INSTITUTION : «Nous confirmons que ce contrat d'études est approuvé/We confirm that the learning agreement is approved».

Nom, et signature du coordinateur de département/faculté
Departmental coordinator's signature

Nom et signature du coordinateur d'établissement
Institutional coordinator's signature

Date : ____/____/ 20

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Oui/Yes

Non/No

Double/Double

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IENAC_SEMESTER_7 (IN FRENCH)		
MAJOR Air Transport Operations and Safety (OPS)		18
AE4007	Propulsion	3
AE4003	Flight qualities	
CA4001	ATC procedures	8
MT4001	Aeronautical meteorology	
OP4001	Use limits and flight conduct	
RG4005	Performances certification	
OP4901	Tutored project	
RG4040	Airworthiness monitoring and maintenance	5
RG4014	Air transport technical regulation	
OP4910	Technical Project	2
Choose one MINOR		6
Example: Air Conceptual Design (or another minor)		
OP4002	Design Oriented Air Operations Vision	6
AE4014	Conceptual definition of plane: hear of domain	
AE4015	Conceptual definition of airplane: deepenings	
CA4004	New approaches, New tools, perspectives	
COMMON TEACHING		6
IP4000	Introduction to C language	4
IP4010	POO Python	
MA4007	Stochastic process	
MA4009	Non linear optimisation	
LV4001E	Professional English semester 7	2
EP4003	Sport	
TOTAL CREDITS ECTS		30

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Oui/Yes

Non/No

Double/Double

Conjoint/Joint

DETAILS DU CONTRAT D'ETUDES / DETAILS OF THE LEARNING AGREEMENT

Course unit code (if any) and page no. of the course catalogue	Course unit title in the host institution (as indicated in the course catalogue)	Number of ECTS credits
MSc International Air Transport System Engineering and Design (IATSED) SEMESTER 9 (ENGLISH)		
BASIS 3		3
LV5601	Culture and Language French	
LV504E	Culture and Language English	
CP4001E	Professional learning	
EC5620E	Research: intellectual property	
ADVANCED ENGINEERING		8
CS5600E	INCOSE Certification	
RS5601E	Advanced system modelisation	
CS5001E	Advanced safety	
IS5601E	Advanced security	
CS5610E	Enterprise Architecture	
SF5601E	Integrated logistic support	
ADVANCED SOFTWARE		9
IP5605E	C++ Programming	
CS5006E	Advanced V&V Part 1	
CS5007E	Formal methods based V&V 2	
IP5005E	OOP oriented toward C++ certification	
IP5610E	Data Science 2	
IW5601E	Open connected system 2	
IW5602E	Web programming	
AIR TRANSPORT BLOCK 3		4
AT5601E	ATC Systems	
AT5605E	ATC Tools	
OP5610E	Airline	
AT5610E	The Way towards Trajectory Based Operation	
PROJECT		6
TX5610E	Capstone Project	
TOTAL CREDITS ECTS		30

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Non/No

Double/Double

Conjoint/Joint

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	MSc International Air Transport System Engineering and Design (IATSED) SEMESTER 8 (ENGLISH)	
	BASIS 2	5
EE4601	Electrical engineering	
AV4602	Mechanical and material engineering	
LV4602	Language	
	ENGINEERING BLOCK 2	5
CS4608	Cross cutting System engineering 1	
RS4601	Architecture and design definition	
IS4601	Information security management	
	SOFTWARE BLOCK 2	6
IP4608	Object oriented programming	
IP4610	Data Science 1	
IH4601	Interactive Software Engineering	
IP4620	Robust programming	
IS5602	Secure programming	
IS5605	Cryptography	
	AIR TRANSPORT BLOCK 2	4
AT4604	Civil Aviation International Context 2	
AT4606	System Wide Information Management	
AT4610	Aircraft 2	
	PROJECT SUB SYSTEM DEVELOPMENT	10
TX4920	Project Sub system development	
	TOTAL CREDITS ECTS	30

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	MSc International Air Transport System Engineering and Design (IATSED) SEMESTER 7 (ENGLISH)	
	BASIS 1	4
MA4600E	Probability and stochastic processes	
LV4601	Culture and language French	
LV406E	Culture and language English	
RE4601E	Research: state of the art	
	ENGINEERING BLOCK 1	6
CS4600E	System engineering introduction	
CS4602E	Technical management process	
CS4604E	Technical process 1	
CS4606E	Safety assurances	
	SOFTWARE BLOCK 1	4
IP4602E	Python Programming	
IP4600E	SGBD	
IW4601E	COO-UML	
IW4602E	Open connected system	
	AIR TRANSPORT BLOCK 1	6
EA4603E	Air transport	
EA4604E	Airport	
AT4601E	Air Traffic Management	
RG4606E	Civil Aviation International Context	
AV4601E	Aircraft	
	PROJECT CALL FOR TENDER	10
TX4900E	Project "Ice breaking"	
TX4910E	Project "Dual Transport"	
	TOTAL CREDITS ECTS	30

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Fair translation of grades must be ensured and the student has been informed about the methodology.

Si nécessaire, utilisez une feuille séparée/if necessary, continue the list on a separate sheet.

Signature de l'étudiant(e)/Student's signature :

Date : ____/____/ 20

ETABLISSEMENT D'ENVOI/SENDING INSTITUTION : «Nous confirmons que ce contrat d'études est approuvé/We confirm that the learning agreement is approved».

Nom, et signature du coordinateur de département/faculté
Departmental coordinator's signature

Nom et signature du coordinateur d'établissement
Institutional coordinator's signature

Date : ____/____/ 20

Date : ____/____/ 20

ETABLISSEMENT D'ACCUEIL/HOST INSTITUTION : «Nous confirmons que ce contrat d'études est approuvé/We confirm that the learning agreement is approved».

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Departmental coordinator's signature

Nom et signature du coordinateur d'établissement
Institutional coordinator's signature

Date : ____/____/ 20

Date : ____/____/ 20

IDENTITE/IDENTITY

Nom de l'étudiant/Name of student : Prénom/First name :

Sexe/Gender : F M

Nom de l'établissement d'envoi/Name of sending institution :

Code Erasmus de l'établissement d'envoi (le cas échéant) /Erasmus code (if relevant) :

ETABLISSEMENT D'ACCUEIL/HOST INSTITUTION

Nom de l'établissement/Name of receiving institution : École Nationale de l'Aviation Civile

Code Erasmus de l'établissement/Erasmus code : F TOULOUS18.....

Pays/Country : FRANCE

Période d'études/Study period : semestre 1/semester 1 semestre 2/semester 2

L'établissement d'accueil délivrera un diplôme ?/Will the receiving institution deliver a degree ?

Oui/Yes

Non/No

Double/Double

Conjoint/Joint

DETAILS DU CONTRAT D'ETUDES / DETAILS OF THE LEARNING AGREEMENT

Course unit code (if any) and page no. of the course catalogue	Course unit title in the host institution (as indicated in the course catalogue)	Number of ECTS credits
	AS-NAT_SEMESTER 7 (ENGLISH)	
	FUNDAMENTALS OF MATHEMATICS	6
MA414E	Theory of distributions for signal processing	
MA405E	Probability / Statistics	
MA406E	Stochastic Processes	
	FUNDAMENTALS OF SIGNAL PROCESSING AND ELECTROMAGNETICS	11
MO404E	Electromagnetics	
SP4002E	Signal theory and signal processing	
SP4003E	Digital signal processing	
EE4002E	Analog filtering	
AU408E	Linear servo loop system	
	GNSS 1	4
NA402E	Introduction to GNSS and its evolutions	
	INTRODUCTION TO PROGRAMMING	4
IP405E	Programming and C language	
	APPLIED PROJECT 1	3
NA497E	PVT computation project	
	LANGUAGE AND HUMAN SCIENCE 1	2
LV401	Culture and language French	
LV406E	Culture and language English	
	TOTAL CREDITS ECTS	30

Le système d'équivalence des notes obtenues dans l'établissement d'accueil doit être juste, équitable et transparent.

Fair translation of grades must be ensured and the student has been informed about the methodology.

Si nécessaire, utilisez une feuille séparée/if necessary, continue the list on a separate sheet.

Signature de l'étudiant(e)/Student's signature :

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