



DIPLOME D'ENSEIGNEMENT SUPERIEUR – ISAE-SUPAERO

Détail des enseignements du DES

Ce cursus est réservé aux étudiants issus des établissements partenaires et qui vont suivre **l'intégralité de la 3^{ème} année** du cycle ingénieur (semestres 5 et 6) :

- Semestre académique (S5) :
 - enseignements de la filière choisie,
 - enseignements du domaine choisi,
 - enseignements du tronc commun ingénierie et entreprise,
 - PIE (projet ingénierie entreprise),
 - cours de langues.

- Stage de fin d'études (S6) en entreprise (minimum 5 mois à partir de fin mars).

Le cursus est dispensé en **français** : un niveau B1 est nécessaire. Il est demandé aux étudiants dont le niveau en français est inférieur à B2/C1 de suivre le MOOC « Etudier en France » disponible on Coursera: <https://www.coursera.org/learn/etudier-en-france>. Un stage intensif en présentiel est par ailleurs proposé aux étudiants inscrits au DES (cf ci-dessous).

!/ \ L'inscription au DES est incompatible avec le statut d'étudiant en échange Erasmus.

Libellé du diplôme

Le diplôme mentionne la filière de spécialisation suivie :

« *Diplôme d'enseignement supérieur en ...*

- *Structures et matériaux*
- *Informatique, télécommunications et réseaux*
- *Signaux et systèmes*
- *Dynamique des fluides*
- ou
- *Observation de la terre et sciences de l'univers.*

Prestations complémentaires proposées aux étudiants inscrits au DES

Les étudiants inscrits au DES ont accès à :

- un stage intensif de Français Langue Etrangère en présentiel en amont de la formation (3 ou 4 semaines au mois d'août).
- des prestations de correction de CV par des professionnels de la communication, des ressources humaines et du recrutement, et d'aide à la recherche d'emploi par le Career center de l'ISAE-SUPAERO.
- l'inscription à des certificats complémentaires, formations proposées en avril et mai de l'année académique d'inscription (certificat DESIA en ingénierie des affaires, certificat ingénierie environnementale, Certificat Ingénierie Systèmes), sous réserve de l'acquiescement de frais d'inscription complémentaires (1).
- l'inscription à un master recherche en parallèle du cursus de 3^{ème} année (2).

Réseau des alumni ISAE-SUPAERO

Les étudiants ayant validé l'ensemble des critères académiques du DES sont diplômés de l'ISAE-SUPAERO et font, à ce titre, partie du réseau des [alumni](#) de l'école.

Ce diplôme de l'Institut leur permettra de mieux valoriser leur parcours auprès de futurs employeurs et de bénéficier du puissant réseau des diplômés (21 500 diplômés).

Droits d'inscription

- Etudiants de l'Union européenne : 2 895 €
- Etudiants hors Union européenne : 4 965€

Synthèse

	Etudiant Erasmus	Etudiant inscrit au DES
Cours de la filière choisie (240h)	☑	☑
Cours du domaine choisi (140h)	☑	☑
Cours du tronc commun ingénierie et entreprise (29h)	☑	☑
PIE - Projet Ingénierie Entreprise (80h)	☑	☑
Stage Français intensif (3 ou 4 semaines en août)	⊗	☑
Cours de langues LV1 – 40h LV2 – 20h	☑	☑
Aide à l'insertion professionnelle : relecture et correction de CV, entretiens	⊗	☑
Possibilité de suivre les formations aux certificats en avril et mai de l'année académique concernée (*) (1)	⊗	☑
Possibilité de s'inscrire à un Master recherche (2) en parallèle de la 3 ^{ème} année (**)	⊗	☑
Stage de fin d'études de 5 mois minimum en entreprise. Convention avec l'entreprise / Suivi pédagogique / soutenance (30 ECTS)	⊗	☑

(*) sous réserve de l'acquiescement de droits d'inscription (entre 200 € et 600 € selon la durée de la formation)

(**) sous réserve de l'acquiescement de droits d'inscription (montant fixé par l'Etat, non connu à ce jour)

(1) LES CERTIFICATS

- Certificat en ingénierie des affaires (DESIA) - formation intensive et de haut niveau en management.
- Certificat Ingénierie Environnementale - formation globale en environnement avec un focus sur les conséquences et perspectives pour le secteur aéronautique, en partenariat avec AIRBUS.

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- Certificat Ingénierie Systèmes - Préparation intensive à la certification INCOSE.

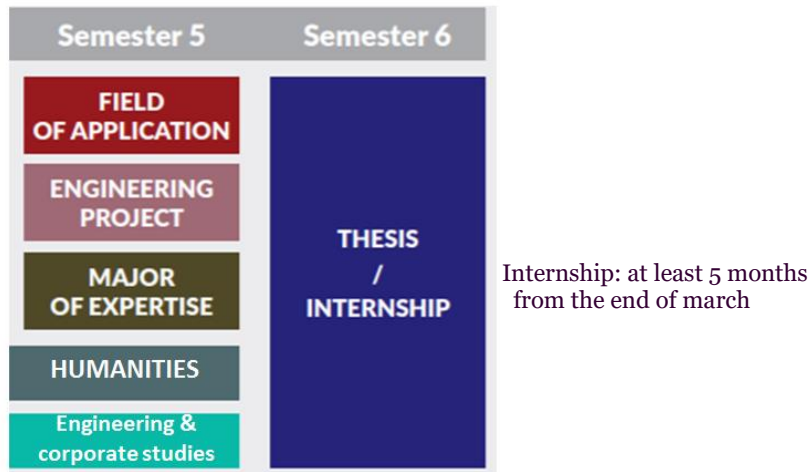
(2) LES MASTERS co-habilités avec l'Université de Toulouse

- Master Sciences de l'univers et Technologies Spatiales - parcours Astrophysique, Sciences de l'Espace et Planétologie (ASEP)
- Master Energétique thermique - parcours Dynamique des fluides, Energétique et Transferts (DET)
- Master Génie mécanique – parcours Science et Mécanique des Matériaux et Structures (SMMS)
- Master Mathématiques et applications – parcours Research & Innovation (RI)
- Master Mathématiques et applications – parcours Recherche Opérationnelle (RO)
- Master Réseaux et télécommunications – parcours Télécommunications Aéronautiques, Spatiales et Terrestres (TAST).

DIPLOME D'ENSEIGNEMENT SUPERIEUR (DES DIPLOMA) – ISAE-SUPAERO

Non degree exchange students can register for the Diploma of Higher Education (« Diplôme d'Enseignement Supérieur ») proposed by ISAE-SUPAERO.

This curriculum is dedicated to students from partner universities admitted to the ISAE-SUPAERO 3rd year engineering program (**semester 5 and semester 6**):



!/ \ The enrolment in this programme is not compatible with the Erasmus Student status.

Requirements

Curriculum is given in French. A minimum level of French (B1 CEFR) is highly recommended.

Students whose French level is below B2/C1 are asked to follow the MOOC « Etudier en France » available on Coursera: <https://www.coursera.org/learn/etudier-en-france> before joining the programme.

Details on diploma

The diploma states the major of expertise (« diplôme d'enseignement supérieur en ... »):

- « Structures et matériaux » (structures and materials)
- « Informatique, télécommunications et réseaux » (computer science, telecommunications and networks)
- « Dynamique des fluides » (Fluid dynamics)
- « Signaux et systèmes » (electrical engineering)
- « Observation de la terre et sciences de l'univers » (earth observation and space science).

Additional services offered to students registered for the DES diploma

- 3 or 4-week intensive language course in august.
- Proofreading of your resume and other benefits from our Career center.
- Possibility to register to additional trainings (attested by a certificate) scheduled in April and May of the relevant academic year:
 - DESIA certificate (business management),
 - Environment engineering certificate (in partnership with Airbus),
 - Systems Engineering Certificate – intensive preparation to INCOSE certificate.
- Possibility to register to a research master taught in parallel to the 3rd year curriculum. (2).

ISAE-SUPAERO alumni network

Students who have successfully completed the academic criteria of the DES diploma are graduated from ISAE-SUPAERO and thus are part of the [alumni](#) network.

This diploma allows to better enhance the training towards potential recruiters and to benefit from the powerful alumni network (21 500 alumni all around the world).

Tuition fees

- Students from the European Union: 2 895 €
- Other students : 4 965 €

Synthesis

	Erasmus student	Student enrolled in the DES diploma programme
Expertise courses (240h)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Field of application courses (140h)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Common courses Engineering (29h)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PIE – Engineering project (80h)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intensive French courses (3 or 4 weeks in august)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Language courses LV1 – 40h LV2 – 20h	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Possibility to register to additional trainings (attested by a certificate) scheduled in April and May of the concerned academic year (1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proofreading of resume and other benefits from the Career centre	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Possibility to register a research master (2) taught in parallel to the 3rd year curriculum (**)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5-month internship. Placement agreement / pedagogical follow-up / defence (30 ECTS)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(*) subject to the payment of additional registration fees (between 200 € and 600 € depending on the duration of the training)

(**) subject to the payment of additional registration fees (amount fixed by law – as yet unknown)



(1) OTHER TRAININGS AND CERTIFICATES

- Systems engineering certificate - Intensive training to INCOSE certification
- DESIA certificate : a 2-month intensive and high level training in business management
- Environmental engineering Certificate – training on the environmental aspects of the plane lifecycle, in partnership with Airbus Company.

(2) RESEARCH MASTERS (jointly accredited with Toulouse University)

- Master Space science and technologies - Astrophysics, Planetary and Space Sciences (ASEP)
- Master Energetics – Fluid Dynamics, Energetics and Transfers (DET)
- Master Mathematics and applications - Research & Innovation (RI)
- Master Mathematics and applications – Operational Research (RO)
- Master Mechanics – Structural Mechanics and Material Sciences (SMMS)
- Master Networks and telecommunications - Terrestrial and AeroSpace Telecommunications (TAST)





Factsheet ~~Factsheet~~
International exchange programmes



INSTITUTION NAME	Institut Supérieur de l'Aéronautique et de l'Espace ISAE-SUPAERO
COUNTRY	France
ADDRESS	10 Avenue Edouard Belin - BP 54032 31055 TOULOUSE CEDEX 4
ERASMUS ID CODE	F TOULOUS16
WEB PAGE	www.isae-sup aero.fr

Contacts




 **Graduate School of Engineering**
Direction des Formations Ingénieurs

Contact Persons	Position	Contact Data
Prof. Caroline BERARD	Dean Graduate School of Engineering	<p>Main contact for prospective exchange students:</p> <p> admission-ingenieur@isae-sup aero.fr</p> <p> +33 (0)5 61 33 82 34</p> <p>+33 (0)5 61 33 80 61</p>
Hélène BILLY	Head of Recruitment and Mobility Office	
Tiphaine HIVERNET	Administrative assistant for Incoming and Outgoing Student Mobility – Outside Europe	
David MORICE	Administrative assistant for Incoming and Outgoing Student Mobility – Europe	

 **International Relations Department**
Direction des Relations Internationales

Contact Persons	Position	Contact Data
Evelyne REBUT	Director for International Affairs Erasmus+ Institutional Coordinator	<p>Main contact for international partnerships and agreements:</p> <p> international@isae-sup aero.fr</p> <p> +33 (0)5 61 33 81 30</p> <p>+33 (0)5 61 33 80 16</p>
Prof. Emmanuel ZENOU	Deputy Director for International Affairs	
Corinne GARCIA-MAC CIONNAITH	Head of International Agreements	
Mikhail STEPANOV	Head of International Development	
Edwige THELISSON	International Relations assistant and Erasmus+ financial coordinator	

 **Academic Advisors**
Responsables académiques

Contact Persons	Advisors for students from/to	Contact Data
Prof. Emmanuel ZENOU	Europe/Lebanon/Morocco/Russia	 emmanuel.zenou@isae-sup aero.fr
Prof. Pierre de SAQUI-SANNES	North and South America	 pdss@isae-sup aero.fr
Prof. Daniel ALAZARD	Asia and Pacific	 daniel.alazard@isae-sup aero.fr

Exchange opportunities at ISAE-SUPAERO Graduate program

NON-DEGREE EXCHANGE

It is not possible to mix courses from different years (typically, your learning agreement can't include courses from both the 2nd and 3rd year).

Admission to the 2nd-year *(equivalent to Master's 1st year)*

- ⇒ **One semester** (semesters 3 or 4) or **Full academic year**
- ⇒ You must have completed at least 3 years (180 ECTS in Europe) of higher education in your university.
- ⇒ Academic program available on [our website](#) (blue box, right-hand side "Catalogue d'enseignement 2A")
- ⇒ Be sure the courses you plan to take at ISAE-SUPAERO, as well as the number of credits, are approved by your home university. On the other hand, ISAE-SUPAERO expects you to take as much scientific courses as required to validate a minimum of 20 ECTS per semester or 40 ECTS for the entire year.
- ⇒ The 4 elective courses (Semester 4) will be chosen later during the academic year.

Admission to the 3rd-year *(equivalent to Master's 2nd year)*

- ⇒ **One semester** (semester 5) or **Full academic year****
- ⇒ You must have completed at least 4 years (240 ECTS in Europe) of higher education in your university
- ⇒ Academic program available on [our website](#) (blue box, right-hand side "Catalogue d'enseignement 3A")
- ⇒ You have to choose 1 **multidisciplinary field** (so-called "domaine" in French) and 1 **major** (so-called "filière" in French). It is not possible to mix courses from different multidisciplinary fields. Nor it is allowed to mix courses from two or several majors.
- ⇒ At the time of applying, you will be requested to select **3 fields** and **3 majors** (rank them by preference). The number of students per field (resp. major) is limited. The admission committee will decide which field and major you are allowed to perform or not.
- ⇒ Be sure the courses you plan to take at ISAE-SUPAERO, as well as the number of credits, are approved by your home university. The minimum number of ECTS required by ISAE-SUPAERO is 6 for the field and 10 for the major.
- ⇒ ****** The internship (so-called the "End of Study Internship") is scheduled at semester 6. **If you want to spend the whole year (S5 and S6), you have to register for the DES Diploma [Diploma of Higher education]**

NEW

DES DIPLOMA



- ▶ **Non degree exchange students can register for the Diploma of Higher Education (DES Diploma)** proposed by ISAE-SUPAERO
- ▶ **Dedicated to students from partner universities admitted to the ISAE-SUPAERO 3rd year engineering program (semesters 5 and 6)**
- ▶ **Not compatible with the Erasmus+ student status**

Additional services offered to students registered to the DES Diploma:

- ✓ 3 or 4-week **intensive language course in august**
- ✓ Proofreading of your resume and other **benefits from our Career center**
- ✓ Possibility to register to **additional trainings** (attested by a certificate) scheduled in April and May of the relevant academic year
- ✓ Possibility to register to a **research master** taught in parallel to the 3rd year curriculum

2021/2022 Tuition fees: EU students: 2 895 € / Non-EU students : 4 965 €

DOUBLE DEGREE

Admission to the 2nd-year *(equivalent to Master's 1st year)*

- ⇒ You must have completed at least 4 years (240 ECTS in Europe) of higher education in your university.
- ⇒ All the courses are mandatory (2nd and 3rd years).
- ⇒ Academic programs available on [our website](#) (blue box, right-hand side "Catalogues d'enseignement").

How to apply ?

- ▶ Students must be nominated by their home university.
- ▶ ISAE-SUPAERO doesn't accept free mover applications. Applying as an exchange student is possible if your home university and ISAE-SUPAERO have signed an Erasmus+ agreement or/and a bilateral or double degree agreement.
- ▶ Nominated students receive by email the application instructions and the link to the online application form.

Application deadlines

For **Autumn Semester** [= semesters 3 & 5] or **full academic year**

April 15, 2021

For **Spring Semester** [= semester 4]

October 30, 2021

Required documents

- ▶ Application Form
- ▶ Motivation Letter in French
- ▶ Resume in French
- ▶ Transcript of Records from all previous higher education study years
- ▶ French level certificate

Language of instruction and requirements

- ▶ Our engineering program is fully taught in **French**.
- ▶ French – B1 (CEFR) is **required**. An official certificate is asked except for double-degree and *DES diploma* applicants.
- ▶ French intensive courses are offered in August for double degree and DES diploma students.
- ▶ Regular French courses are organized during the academic year.



Academic calendar

1st YEAR

1st SEMESTER (S1)
September to March

2nd SEMESTER (S2)
March to June

2nd YEAR

1st SEMESTER (S3)
Mid-August to February

2nd SEMESTER (S4)
March to June

3rd YEAR

1st SEMESTER (S5)
September to March

2nd SEMESTER (S6)
End of study project from
April to September

The French “Grande école” System

	ISAE-SUPAERO			UNIVERSITIES		
	Years	Program	Semesters	Years	Program	
ISAE-SUPAERO GRADUATE PROGRAM	8	PhD 3		8	PhD 3	
	7	PhD 2		7	PhD 2	
	6	PhD 1		6	PhD 1	
	5	Cycle ingénieur 3	5 and 6	5	Master 2	
	4	Cycle ingénieur 2	3 and 4	4	Master 1	
	3	Cycle ingénieur 1	1 and 2	3	Bachelor 3	
	2	Preparatory courses 2		2	Bachelor 2	
	1	Preparatory courses 1		1	Bachelor 1	



ISAE-SUPAERO General Syllabus

“Ingénieur ISAE SUPAERO” mastering the complex systems:

FUNDAMENTAL COURSES	MECHANICAL ENGINEERING COURSES	ELECTRICAL ENGINEERING COURSES	SYSTEMS & PROJECTS	HUMANITIES	ECONOMICS & MANAGEMENT
<ul style="list-style-type: none"> Applied Mathematics Physics Space Science 	<ul style="list-style-type: none"> Aerodynamics Propulsion Energetics Structures Materials 	<ul style="list-style-type: none"> Computer Science Control Theory Télécommunications Signal Processing Image Processing 	<ul style="list-style-type: none"> System Engineering Functional Design Space Systems Embedded Systems Research Projects 	<ul style="list-style-type: none"> Arts & Cultural studies Languages & Communication Sports 	<ul style="list-style-type: none"> Economics Finance Management

YEAR 1 (BSc 3rd year)		YEAR 2 (Master's 1st year)		YEAR 3 (Master's 2nd year)	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
SCIENTIFIC & ENGINEERING COURSES <ul style="list-style-type: none"> Mathematics Physics Mecanical eng Electrical eng 	ELECTIVE COURSES EXPERIMENTAL WORKS INNOVATION PROJECT	SCIENTIFIC & ENGINEERING COURSES	ELECTIVE COURSES BIBLIOGRAPHY STUDY & RESEARCH PROJECT	FIELD OF APPLICATION ENGINEERING PROJECT MAJOR OF EXPERTISE	THESIS / INTERNSHIP
HUMANITIES					
ENGINEERING & CORPORATE STUDIES					

Years 1 and 2: General Engineering Background & Science Minors

Year 3: “Systems” approach in a multidisciplinary Field and Science Major

Visa

Students coming from countries needing a VISA must obtain it by their own means using the acceptance letter sent by our office.

Check on this website if you need a visa or not: <https://france-visas.gouv.fr/web/france-visas/accueil>

Accommodation

There are 6 dormitories on the campus.

Once you receive the admission letter, you will be able to book a room.

More information at www.isae-supaero.fr/fr/campus/vivre-sur-le-campus/logement/

Compulsory insurances

✓ Health insurance:

*If you are a European student, you will have to provide your **European Health Insurance Card (EHIC)**

*If you are a non-European student, you will have to register online at <https://etudiant-etranger.ameli.fr/#/>.

✓ Housing insurance:

Compulsory for all students whether you live in a student residence or choose private rental housing

✓ Civil liability insurance:

Generally included with the home insurance

Students associations

Students at ISAE-SUPAERO have an exceptionally rich association life including cultural, artistic, social and athletic activities within the scope of nearly 100 clubs and associations.

www.isae-supaero.fr/en/campus-life/student-associations-and-clubs/

Useful links

- [Welcoming international students at ISAE-SUPAERO](#)

- [ISAE-SUPAERO campus life](#)

- [ISAE-SUPAERO Campus virtual tour](#)

- [The University of Toulouse Welcome Desk](#)

- [France Diplomacy - Studying in France](#)

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Crédits photos :
ISAE-SUPAERO Aude
Lemarchand

