

	<h2 style="color: #0056b3;">INSTITUTIONAL FACT SHEET</h2>
Full Legal Name for Erasmus Exchanges:	ESIEE Paris
Erasmus Code:	F NOISY02
PIC Number:	951397826
Head of the Institution: <i>(representative for signature of the interinstitutional agreements)</i>	Mr Jean Mairesse Directeur général d'ESIEE Paris Phone: +33 1 45 92 65 00
Subject Area:	Engineering (071) / Information and Communication Technologies (061)
Address:	Cité Descartes – BP 99 2 boulevard Blaise Pascal 93162 NOISY LE GRAND CEDEX France
Institution website:	www.esiee.fr
Incoming student website:	www.esiee.fr/en/international/exchange-students

INTERNATIONAL RELATIONS CONTACTS

ESIEE Paris - International
 Cité Descartes – BP 99
 2 boulevard Blaise Pascal
 93162 NOISY LE GRAND CEDEX
 France

<p>Erasmus Institutional Coordinator:</p> <p>Administrative Coordinators:</p> <ul style="list-style-type: none"> - FOR OUTGOING STUDENTS (Erasmus+ Programme) - FOR OUTGOING STUDENTS (Non EU countries) - FOR INCOMING STUDENTS (Incoming nomination/application) 	<p>Jean-Luc Polleux Director of international Relations Phone: + 33 1 45 92 67 68 - Fax: + 33 1 45 92 66 99 Email: jean-luc.polleux@esiee.fr</p> <p>Fabiana Della Zuana Administrative Coordinator – Outgoing Mobility Phone: + 33 1 45 92 65 26 - Fax: + 33 1 45 92 66 99 Email: fabiana.dellazuana@esiee.fr</p> <p>Sabrina Clément Administrative Coordinator – Outgoing Mobility Phone: + 33 1 45 92 65 42 - Fax: + 33 1 45 92 66 99 Email: sabrina.clement@esiee.fr</p> <p>Leila Zadi Administrative Coordinator – Incoming Mobility Phone: + 33 1 45 92 66 25- - Fax: + 33 1 45 92 66 99 Email: exchange-students@esiee.fr</p>
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Application information

<p><i>Application Form and Procedure:</i></p> <p><i>Nomination deadlines:</i></p> <p><i>Application deadlines:</i></p> <p><i>Academic Calendar:</i></p>	<p>www.esiee.fr/en/international/exchange-students</p> <p>30th April for the semester 1 and for the whole academic year 15th September for the semester 2</p> <p>31st May for the semester 1 and for the whole academic year 15th October for the semester 2</p> <p>For a fourth year student: Semester 1: September - January Semester 2: February _ June</p> <p>For a fifth year student: Semester 1: September - December Semester 2: January – June (internship)</p>
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Course Catalogue

<p><i>Courses taught in French language</i></p> <p><i>Courses taught in English language</i></p>	<p>http://www.esiee.fr/fr/formations/ingenieur/cycle-ingenieur/enseignements-deuxieme-troisieme-annee</p> <p>http://www.esiee.fr/en/international/exchange-students</p>
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Language requirements

<p><i>Specific language requirements for incoming students</i></p> <p><i>Language preparation available (yes/no; if yes, costs?)</i></p> <p><i>Language course during the semester available (yes/no)</i></p>	<p>French requirements (if chosen courses in French) : level B1 English requirements : TOEIC 720 points (or equivalent TOEFL, IELTS...)</p> <p>Yes, a free intensive French language preparation week is offered at the end of august (last week of august)</p> <p>Yes (French and English courses)</p>
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Accommodation

<p><i>On-campus residence available for incoming students (yes/no; if yes, options?)</i></p> <p><i>Approximate price range</i></p> <p><i>Contact person for residence support</i></p> <p><i>Accommodation form can be found at:</i></p>	<p>Yes, different options available on the campus http://www.esiee.fr/en/international/exchange-students</p> <p>From 480€ to 600€ per month</p> <p>Name: Leila Zadi Email: leila.zadi@esiee.fr</p> <p>http://www.esiee.fr/en</p>
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ESIEE Paris programs to welcome international students

Graduate and undergraduate projects for partner's students

2-Year Programs 100% taught in English (4th year Bachelor and Masters):

- **Computer Science** for intelligent systems ([IMC](#))
- **M.Sc. Connected Objects, Devices and Systems** ([CODS](#))
- **M.Sc. Management of Technology - Information Systems** ([MOTIS](#))

Programs including a full semester taught in English (4th year Bachelor and Masters): [\(↗\)](#)

- **Computer science**
- **Data Science and Artificial Intelligence**
- **Embedded systems**
- **Smart Electronic Systems**
- **Biotechnologies**
- **Renewable Energy and Energy Efficiency**

Programs taught in French (4th year Bachelor and Masters): [\(↗\)](#)

- **Cybersecurity and Information systems**
- **Industrial engineering**
- **e-Health**

Undergraduate Programs taught in French (3rd year level open to exchange students) [\(↗\)](#)

Internship positions for French Language Training Students (limited number)

ESIEE Paris also has a campus in South-Africa with a M.Sc. degree taught in English:

- **MSc Electrical and Electronic Systems Engineering - F'SATI - Pretoria and CapeTown**

Contact: exchange-students@esiee.fr

Website: <https://www.esiee.fr/en/international/exchange-students>

List of courses taught in English

Courses selection rules:

Main courses at ESIEE (except MSc courses) are organized by time slot A, B, C, D, E, F or L (language). Courses from a same time slot will overlap and cannot be selected simultaneously in the same period. Therefore students are requested to take one course for each slot. Courses from different levels (year 4 and year 5) cannot be mixed together in a common period due to time conflict. Following these rules students are able to follow at least 30ECTS per semester.

DEGREE

ESIEE Paris delivers the Master Degree, also called Diplôme d'Ingénieur, the highest level of master degree accredited by the French Ministry of higher education and research and the "Commission des Titres d'Ingénieurs" - CTI. This internationally-recognized degree requires student to get a minimum of 3 academic semesters (90ECTS) in France and 1 period of 6-month internship/master thesis (30ECTS) abroad or in France.

ESIEE Paris also delivers M.Sc. degrees that are accredited by the prestigious "Conférence des Grandes Ecoles" - CGE, which is an association of the highest-level French Business and Engineering Schools. The degree requires 2 academic semesters (60ECTS) and 1 period of 6-month internship/master thesis (30ECTS).

MSc. CODS and MSc. MOTIS programs are given at the end of the document.

4th Year (E4/B4/Master) - Semester 1 Period 1 (September - Octobre)

Code	Course Title	Time Slot	ECTS	Language
CODS-4101A	Research project	A	3	EN
IMC-4103A	Networking	A	3	EN
Study Case	Topic in Electronics	A	3	EN
Study Case	Topic in BioTechnology	A	3	EN
INF-4102B	Algorithm Design	B	3	EN
SEI-4101B	Sensors and Conditioning Circuits	B	3	EN
BIO-4103C	Biosensors and medical instrumentation	C	3	EN
IMC-4101C	Computer architecture	C	3	EN
SEI-4101C	Introduction to MEMS and microelectronics principles	C	3	EN
MSH-4102D	Intercultural management and communication	D	3	EN
OUAP-4102	Acquisition and signal processing in biomedical applications	E	3	EN
OUAP-4109	Signals and systems	E	3	EN
CODS-42E1E	Nanoelectronics for IoT	E	3	EN
Project	Topic on Demand	F	3, 4, 6, 10	EN
PIM-4104	Programming and computing tools	F	3	EN
FLE-1	French as a Foreign Language	L	4	EN/FR
Total			46	

4th Year (E4/B4/Master) - Semester 1 Period 2 (November - January)

Code	Course Title	Time Slot	ECTS	Language
CODS-4201A	Research project	A	3	EN
IMC-4202A	Software engineering using UML	A	3	EN
Study Case	Topic in Electronics	A	3	EN

CODS-42E1B	Nanoelectronics for IoT	B	3	EN
IMC-4202B	Real-time systems	B	3	EN
INF-4202B	(Algo 2) Applied Algorithms: Strings and images	B	3	EN
Study Case	Topic in Electronics 2	B	3	EN
CODS-42U1C	Radio Wave Propagation in Urban Environnement	C	3	EN
IMC-4202C	Graph and Algorithms	C	3	EN
INF-4201C	HPC (2) - distributed programming	C	3	EN
Study Case	Topic in Electronics 3	C	3	EN
MSH-4208D	French business Culture and Communication	D	3	EN
OUPAP-4215	Introduction to image analysis	E	3	EN
OUPAP-4218	Connected Objects and IoT Systems Design	E	3	EN
OUPAP-4204	Optimal estimation and control	E	3	EN
OUPAP-4213	Introductions to robotics	E	3	EN
OUPAP-4112	General Introduction to IoT	E	3	EN
Project	Topic on Demand	F	3, 4, 6, 10	EN
PIM-4204	Digital electronics	F	3	EN
PIM-4205	Statistics with Python	F	3	EN
FLE-1	French as a Foreign Language	L	(continuing)	EN/FR
Total			57	

4th Year (E4/B4/Master) - Semester 2 (January end - June)

Code	Course Title	Time Slot	ECTS	Language
CODS-4301A	Research project	A	3	EN
CODS-4303A	Training to research	A	1	EN
ENE-4301A	Dynamic simulation of energy systems	A	3	EN
IMC-4302A	Wireless networks	A	3	EN
CODS-43U1B	Introduction to Optoelectronics and Photonics	B	3	EN
INF-4302B	Algo (3) - Optimisation Algorithms	B	3	EN
Study-case	Topic in Electronics	B	3	EN
Study-case	Topic in Energy	B	3	EN
Study-case	Topic in Electronics 2	B	3	EN
CODS-4301E	Environmental Sensors and Micro Devices	C	3	EN
ENE-4302C	Energy Lab	C	3	EN
IMC-4302C	Machine Learning 1	C	3	EN
SEI-4301C	RF Modules	C	3	EN
MSH-4308D	Corporate Finance and International Marketing	D	3	EN
OUPAP-4304	Intensive TOEIC workshop	E	3	EN

OUAP-4307	Model Checking	E	3	EN
OUAP-4315	Life Cycle Analysis	E	3	EN
OUAP-4319	Mini-project PCB Smart Objects	E	3	EN
OUAP-4320	Clean-room	E	3	EN
Project	Project for exchange students - topic on demand	F	15	EN
FLE-2	French as a Foreign Language	L	2	EN/FR
Total			72	

5th Year (E5/MasterB4/) - Semester 1 - Period 1 (September - October)

Code	Course Title	Time Slot	ECTS	Language
CODS-5101A	Research project	A	3	EN
DSIA-5101A	Bigdata analytics with Spark	A	3	EN
ENE-5101A	Building energy modeling and case study 1	A	3	EN
GI-5102A	Maintenance	A	3	EN
IMC-5102A	Embedded operation systems	A	3	EN
IME-5102A	Electromagnetic modeling for circuits and packages	A	3	EN
IME-5103A	Fundamentals of microfluidics and analytical chemistry	A	3	EN
SE-5103A	Deep Reinforcement Learning for the design of intelligent System	A	3	EN
CODS-5101B	Radio-com	B	3	EN
IMC-5103B	Machine Learning 2	B	3	EN
IME-5102B	Clean-room	B	3	EN
Study Case	Study Case in Embedded Systems 1	B	6	EN
DSIA-5101C	Functional programming with Scala	C	3	EN
IMC-5101C	Image analysis	C	3	EN
IME-5101C	RF and Microwave Circuits	C	3	EN
Study Case	Study Case in Embedded Systems 2	C	6	EN
MSH-5104D	Cororate profiling	D	3	EN
CODS-5101E	Reliability & Integration of a Wireless Sensor Network	E	3	EN
IS-5101E	Energy Harvesting for IoT and wireless applications	E	3	EN
IS-5104E	Antennas for Embedded Systems	E	3	EN
IS-5111E	Safety and Security : From Specification to Implementation	E	3	EN
IT-5106E	IoT	E	3	EN
FLE-1	French as a Foreign Language	L	4	EN/FR
Total			76	

5th Year (E5/MasterB4/) - Semester 1 - Period 2 (November - December)

Code	Course Title	Time Slot	ECTS	Language
CODS-5201A	Research project	A	3	EN
ENE-5203A	Building energy modeling and case study 2	A	3	EN
IMC-5204A	Critical Application Development	A	3	EN
IME-5204A	Advanced Electron Devices	A	3	EN

CODS-52U1B	Energy Transfer & Harvesting	B	3	EN
ENE-5202B	Computational Fluid dynamics	B	3	EN
IMC-5204B	Computer vision	B	3	EN
IME-5204B	Analog IC	B	3	EN
BIO-5203C	Lab on chip	C	3	EN
CODS-5201C	Radio-over-Fiber and Optoelectronics for Smart Cities	C	3	EN
ENE-5203C	Smart grids	C	3	EN
IMC-5204C	Data Science for Developers	C	3	EN
IME-5201C	RF and Microwave Characterisation Lab	C	3	EN
INF-5201C	Deep learning	C	3	EN
MSH-5202D	Project management and innovation management	D	3	EN
CODS-5201E	MEMS Sensors	E	3	EN
IS-5202E	Modelisation and simulations for industrial systems	E	3	EN
IS-5205E	Topical MEMS Design	E	3	EN
IT-5206E	Distributed control systems	E	3	EN
IT-5211E	Computer Graphics and OpenGL	E	3	EN
SEV-5204E	E-health data : web services and information systems	E	3	EN
FLE-1	French as a Foreign Language	L	(continuing)	EN/FR
Total			63	

5th Year (E5/MasterB4/) - Semester 2 (January - June)

Code	Course Title	Time Slot	ECTS	Language
Master thesis	Master thesis - topic on demand	-	30	EN
Total			30	

MSc. Management of Technologies - Information Systems

Semester 1 - September - January

Code	Course Title	ECTS	Langage
FLE-1	French as a Foreign Language for non-French speakers	3	EN/FR
IS-1a	Digital Transformation of the Enterprise	3	EN
IS-1b	Document Management Systems	1	EN
IS-1c	Information Systems Project Management	6	EN
IS-2	Requirements Engineering	2	EN
IS-4	Introduction to SAP-ERP	1.5	EN
IPM-1	International Project Management 1	2	EN
STRAT	Strategic Management, Innovation and Change Management	2	EN
NEGO	Negotiation	3	EN
OB-1	Organisation Behaviour	4	EN
Project 1	MOTIS Project	7	EN
Total		33	

Semester 2 - February – June

Code	Course Title	ECTS	Langue
FLE-2	French as a Foreign Language for non-French speakers	3	EN/FR
IS-3	Introduction to Service Science	1.5	EN
IPM-2	International Project Management 2, including Agile methods	2	EN
STRAT	Strategic Management of Technologies and Change Management	2	EN
OM	Operation Management	1,5	EN
DM	Digital Marketing	1.5	EN
GEOPO	Introduction to Geopolitics	1,5	EN
FBC	The French Business Environment	2	EN
MKT	Introduction to International Marketing	1,5	EN
FIN	Introduction to Corporate Finance / Accounting	1.5	EN
SIM	Management Simulation	2	EN
Project 2	Motis Project	7	EN
Total		21,5	

MSc. Connected Objects, Devices and Systems

Semester 1 - September - January

Code	Course Title	ECTS	Langage
CODS-4101A	Research project	3	EN
SEI-4101B	Sensors and Conditioning Circuits	3	EN
SEI-4101C	Introduction to MEMS and Microelectronic Principles	3	EN
MSH-4102D	Intercultural Management and Communication	3	EN
CODS-42E1E	Nanoelectronics for IoT	3	EN
FLE-1	French as a Foreign Language for non-French speakers	4	EN/FR
CODS-4201A	Research project	3	EN
CODS-42E1B	Nanomaterials and Nanosensors	3	EN
CODS-42U1C	Radio Wave Propagation in Urban Environnement	3	EN
MSH-4208D	French Business Culture and Communication	3	EN
OUAP-4212	General Introduction to IoT	3	EN
Total		34	

Semester 2 - February – June

Code	Course Title	ECTS	Langue
CODS-4301A	Research project	3	EN
CODS-4303A	Training to research	1	EN
CODS-4301B	Introduction to Optoelectronics and Photonics	3	EN
SEI-4301C	RF Modules	3	EN
MSH-4308D	Corporate Finance and International Marketing	3	EN
CODS-4301E	Environmental Sensors and Micro Devices	3	EN
FLE-2	French as a Foreign Language for non-French speakers	1,5	EN/FR
CODS-Projet-P4	Research project	8	EN
Total		25,5	

Semester 3 - September - December

Code	Course Title	ECTS	Langage
CODS-5101A	Research project	3	EN
CODS-5101B	Radio-com	3	EN

IS-5104E	Antennas for Embedded Systems	3	EN
MSH-5104D	Corporate Profiling	3	EN
CODS-5101E	Reliability & Integration of a Wireless Sensor Network	3	EN
FLE-1	French as a Foreign Language for non-French speakers	4	EN/FR
CODS-5201A	Research project	3	EN
CODS-5201B	Energy Transfer & Harvesting	3	EN
CODS-5101C	Radio-over-Fiber and Optoelectronics for Smart Cities	3	EN
MSH-5202D	Project management and innovation management	3	EN
CODS-5201E	MEMS Sensors	3	EN
Total		34	

Semester 4 - January - June

Code	Course Title	ECTS	Langage
CODS-MTH	Master Thesis	30	EN
Total		30	