

FACT SHEET 2026-27


DEVINCI
HIGHER
EDUCATION



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National & International Accreditations and Quality Labels



AACSB
ACCREDITED



MSc



MASTER



an initiative of the



DE VINCI HIGHER EDUCATION

is a highly reputed private institution of higher education located in Paris.

De Vinci Higher Education is made up of three schools that award high-quality, accredited degrees: EMLV (Business School), ESILV (Engineering School) and IIM (Digital School)



SCHOOL CHOSEN BY THE FRENCH GOVERNMENT

CONTACT PERSONS



STUDENT MOBILITY

INCOMING MOBILITY / WELCOME DESK

incoming@devinci.fr

Lucile MASSE (She/Her)

Tel.: +33 1 81 00 29 75

Jeanne MOUCHARD (She/Her)

Tel.: +33 1 81 00 83 26

OUTGOING MOBILITY

outgoing@devinci.fr

Katia AMAZIT (She/Her)

Tel.: +33 1 81 00 27 93

Valentina CARRASCO ROSALES (She/Her)

Tel.: +33 1 81 00 31 25

Clara HOKAYEM (She/Her)

Tel.: +33 1 81 00 83 28

Milyann LE DISEZ (He/Him)

Tel.: +33 81 00 27 73

Théo MENIL (He/Him)

Tel.: +33 1 81 00 28 45

Anaïs VIENNE (She/Her)

Tel.: +33 1 81 00 29 42

Danielle FEZEU - Assistant (She/Her)

Sieglinde REUMONT (She/Her)

INTERNATIONAL PROJECTS

GRANTS

bourses-internationales@devinci.fr

EVENTS AND SHORT PROGRAMS

international-projects@devinci.fr

Kathy TEIXEIRA (She/Her)

Tel.: +33 1 81 00 31 26

Emiliana DIAZ (She/Her)

Nadiya HAMMES (She/Her)

DIRECTOR OF INTERNATIONAL RELATIONS DEPARTMENT

Julie PIDELL (She/Her)

julie.pidell@devinci.fr

Tel.: +33 1 81 00 29 60

INTERNATIONAL RELATIONS MANAGER

Sandrine MUTALIPH (She/Her)

sandrine.mutaliph@devinci.fr

Tel.: +33 1 81 00 28 54

ADDRESS

DE VINCI HIGHER EDUCATION
INTERNATIONAL RELATIONS OFFICE
12 AV. LÉONARD DE VINCI
92916 PARIS LA DÉFENSE CEDEX, FRANCE



Erasmus+

ERASMUS CODE

F PARIS270 (ESILV, EMLV)

RI@DEVINCI.FR

INFORMATION FOR INCOMING EXCHANGE STUDENTS

APPLICATION

APPLICATION INSTRUCTIONS:

<https://www.devinci.fr/en/programmes/exchange-programmes/>

APPLICATION DOCUMENTS:

- Online application form
- Language proficiency report/ language diploma
- ID photo
- Copy of ID
- Transcript of records for students applying to postgraduate level programs

LANGUAGE REQUIREMENTS

Languages of instruction: English or French
Level required for chosen language of instruction: B2 (CEFRL)

IMPORTANT DEADLINES

NOMINATION DEADLINE:

Fall semester or full academic year – 15 May
Spring semester – 15 October

REGISTRATION DEADLINE:

Fall semester or full academic year – 1 June
Spring semester – 1 November

PROGRAMS & GRADING SYSTEM

COURSE LIST & ACADEMIC CALENDAR

- Management School (EMLV):
<https://www.emlv.fr/en/programmes/exchange-programmes/>
- Engineering School (ESILV):
<https://www.esilv.fr/en/programmes/exchange-programmes/>
- Internet & Multimedia School (IIM):
<https://www.iim.fr/>

Information on the grading system and equivalencies can be found on the Student Guide: <https://www.devinci.fr/en/student-life/student-guide/>

ACADEMIC CALENDAR

SEMESTER DATES (DEPENDING ON PROGRAM)

Fall semester: End August – third week of December
Spring semester: Early January – mid-May

incoming@devinci.fr

LIFE IN FRANCE

VISA

De Vinci Higher Education provides assistance in obtaining visas for incoming students. Information on visa procedures can be found on page 30 of the student guide: <https://www.devinci.fr/en/student-life/student-guide/>

INSURANCE

De Vinci Higher Education guides incoming students in obtaining insurance covers. Incoming students are responsible for ensuring that they have an appropriate insurance cover during the exchange period. Information on insurance can be found on page 40 of the student guide.

HOUSING

De Vinci Higher Education guides incoming students in finding accommodation. We have our own housing platform entirely dedicated to helping students find a rental in the Paris area: <https://www.devinci.fr/en/student-life/housing/>
Information on housing can be found on page of the student guide.



Erasmus Student Network



Buddy System

WELCOME DESK



De Vinci Higher Education provides support to students in their settlement in France through its welcome desk (compulsory orientation days, administrative workshops, tutorials, helping with finding accommodation and visa procedures, events...)

STUDENT GUIDE

incoming@devinci.fr



Course List

Incoming Students

2026-2027

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ESILV – DE VINCI HIGHER EDUCATION

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ESILV – Course List 4th Year – Cybersecurity & Cloud Computing – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer Ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESIIN475225	Infrastructure Technology
		1	NEW	Applied Security
		2	NEW	Cloud Optimization
		1	NEW	IA for Secure Engineering
		2	MESIIN477325	Cybersecurity Landscape
		2	MESIIN477625	Operating systems
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK COMPUTER SCIENCE	6	1	MESIIN475625	Scrum certification
		3	MESIIN475725	Software engineering and development
		2	MESIIN478025	Rust Development
Total	30	30		

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ESILV – Course List 4th Year – Data & Artificial Intelligence – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course Name
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESIIN471625	Advanced programming in data science
		2	MESIIN475825	Mathematics for Deep Learning
		2	MESIIN475925	Next-Generation AI
		2	MESIIN476025	AI Algorithms
		2	MESIIN477725	Neural Networks and Deep Learning
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK COMPUTER SCIENCE	6	1	MESIIN475625	Scrum certification
		3	MESIIN475725	Software engineering and development
		2	MESIIN478025	Containerization Technologies
Total	30	30		

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ESILV – Course List 4th Year – Energy & Sustainable Cities – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESISI470225	Fluid Mechanics
		2	MESISI471925	Energetic efficiency & Smart Metering
		1	MESISI472125	Decarbonisation and Energy Mix
		1	MESISI472225	Nuclear Energy
		2	MESISI472325	Solar Energy
		2	MESISI472425	Wind Energy
		-	MESISI475225	Masterclass Transformation of Territories and Smart Cities
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK ENGINEERING SCIENCES	6	2	MESISI471225	Dynamics of vehicles and powertrains systems
		2	MESISI473325	Sustainable innovation
		2	MESISI474725	Building stress analysis and design
Total	30	30		

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ESILV – Course List 4th Year – Fintech – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	1	MESIIN470425	Cryptocurrencies Market
		3	MESIIN470625	Blockchain Programming
		2	MESIIN473325	Rust Programming
		2	MESIIN476425	Symmetric-key algorithm
		2	MESIIN477625	Operating systems
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK COMPUTER SCIENCE	6	1	MESIIN475625	Scrum certification
		3	MESIIN475725	Software engineering and development
		2	MESIIN478025	Rust Development
Total	30	30		

ESILV – Course List 4th Year – Industry & Robotics – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
		-	MESIDV470125	Ethique de l'ingénieur / Engineer Ethics
SOFT SKILLS	1	-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	1	MESIIN474625	Hardware Software Interface
		2	MESIIN476725	Model-based systems Engineering
		1	MESIIN476825	Production and industrial management
		2	MESISI474525	Supply Chain Management
		2	MESISI475325	Artificial intelligence in industry: IoT
		2	MESISI475425	Mobile Robots
		-	MESISI475525	Masterclass Defense Robotics
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK CYBER PHYSICAL HUMAN SYSTEMS	6	2	MESIIN477025	Data Analytics
		2	MESIIN477125	Augmented and Virtual Reality
		2	MESISI474625	Robotics
Total	7	7		

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ESILV – Course List 4th Year – IoT & Cybersecurity – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer Ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESIIN471925	Virtualisation & Trust
		2	MESIIN474025	Securing Embedded Software
		2	MESIIN476125	OS Architecture
		2	MESIIN477325	HW Layer Security
		2	MESIIN477825	Network Architecture
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK COMPUTER SCIENCE	6	1	MESIIN475625	Scrum certification
		3	MESIIN475725	Software engineering and development
		2	MESIIN478025	Rust Development
Total	30	30		

ESILV – Course List 4th Year – Digital Modelling & Mechanics – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer Ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESISI470225	Fluid Mechanics
		3	MESISI470625	Continuum Mechanics
		1	MESISI472625	Systems and Control
		2	MESISI473525	Probabilistic and reliability methods
		2	MESISI473625	Finite Element Analysis
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK ENGINEERING SCIENCES	6	2	MESISI471225	Dynamics of vehicles and powertrains systems
		2	MESISI473325	Sustainable innovation
		2	MESISI474725	Building stress analysis and design
Total	30	30		

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ESILV – Course List 4th Year – Aerospace & Defense – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer Ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESISI474825	Atmosphere and space
		2	MESISI474925	Orbital mechanics
		2	MESISI475025	Propulsion of airplanes
		2	MESISI475125	Communications
		2		Defense in aerospace - doctrines, systems and capabilities
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK ENGINEERING SCIENCES	6	2	MESISI471225	Dynamics of vehicles and powertrains systems
		2	MESISI473325	Sustainable innovation
		2	MESISI474725	Building stress analysis and design
Total	30	30		

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ESILV – Course List 4th Year –Health Engineering & Biotechnology – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer Ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESIIN477925	Internet of Things
		2	MESISI470725	Biology fundamentals
		2	MESISI471525	Health, autonomy and biotechnology: economy and organisation
		2	MESISI473825	Sensors and optoelectronics
		2	MESISI473925	Modeling biological systems
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK CYBER PHYSICAL HUMAN SYSTEMS	6	2	MESIIN477025	Data Analytics
		2	MESIIN477125	Augmented and Virtual Reality
		2	MESISI474625	Robotics
Total	30	30		

ESILV – Course List 4th Year – Financial Engineering – Fall Semester

Fall Semester – S07

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	5	3	MESIFI470125	Advanced probability
		2	MESIIN470225	Machine Learning
PROJECT	7	5	MESIGP470125	Project
		1	MESIGP470325	Project Methodology
		1	MESIGP470425	Research Methodology
		-	MESISK470625	Project : SoftSkills Support
SOFT SKILLS	1	1	MESIDV470125	Ethique de l'ingénieur / Engineer Ethics
		-	MESILVS7+125	FLE (French)
		-	MESISK470125	Formation au MBTI / MBTI training
SPECIALIZATION	10	2	MESIFI471125	C++ for finance
		2	MESIFI471325	Market risk
		3	MESIFI472025	Advanced statistics
		1	MESIFI472125	Introduction to financial markets and instruments
		2	MESIFI472325	Python, Git, Linux
SOFT SKILLS	1	1	MESISK470225	Internship preparation
TRACK FINANCE & ASSURANCE	6	2	MESIFI470725	Advanced financial concepts and models
		2	MESIFI471025	Time series econometrics
		2	MESIFI472225	VBA
Total	30	30		

ESILV – Course List 4th Year – Cybersecurity & Cloud Computing – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	2	MESIIN482425	Code Deployment
		2	MESIIN484425	Advanced Infrastructure
		2	MESIIN485025	Forensic
		2	MESIIN486125	Cloud administration
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK COMPUTER SCIENCE	6	2	MESIIN480325	NoSQL
		2	MESIIN483625	Containerization Technologies
		2	MESIIN483825	Trusted AI
Total	30	30		

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ESILV – Course List 4th Year – Data & Artificial Intelligence – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	2	MESIIN480125	Advanced Deep Learning
		2	MESIIN480225	Web datamining & semantics
		2	MESIIN484225	ML OPS
		2	MESIIN485725	Information Retrieval and NLP
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK COMPUTER SCIENCE	6	2	MESIIN480325	NoSQL
		2	MESIIN483625	Rust Development
		2	MESIIN483825	Trusted AI
Total	30	30		

ESILV – Course List 4th Year – Energy & Sustainable Cities – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	2	MESIIN485825	IoT for smart buildings
		2	MESISI481825	Building Thermal Simulation
		2	MESISI482925	BIM
		-	MESISI483825	Masterclass Smart Buildings
		2	MESISI484025	Hydroelectricity
		-	MESISI595225	Masterclass Design of battery electric vehicle
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK ENGINEERING SCIENCES	6	2	MESIIN484025	Image processing
		2	MESIIN484125	Applications of AI
		2	MESISI482725	Thermochemistry
Total	30	30		

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ESILV – Course List 4th Year – Fintech – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	3	MESIIN484525	Decentralized Finance
		1	MESIIN484625	Public-key cryptography
		2	MESIIN484725	Web Development
		2	MESIIN485925	Machine Learning for Fintech
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK COMPUTER SCIENCE	6	2	MESIIN480325	NoSQL
		2	MESIIN483625	Containerization Technologies
		2	MESIIN483825	Trusted AI
Total	30	30		

ESILV – Course List 4th Year – Industry & Robotics – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	1	MESIIN482725	Industrial Automation
		2	MESIIN485525	Robot Operating System (ROS2)
		1	MESISI481625	Industrial Operations Management
		2	MESISI483925	Mechatronic Systems
		2	MESISI484625	Robot dynamics & control
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK CYBER PHYSICAL HUMAN SYSTEMS	6	2	MESIIN485225	Embedded Artificial Intelligence
		2	MESIIN485325	Computer Vision
		2	MESISI484925	Finite element methods
Total	12	12		

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ESILV – Course List 4th Year – IoT & Cybersecurity – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION OCC	8	2	MESIIN482125	OS Hardenning
		2	MESIIN482225	Network Hardenning
		2	MESIIN484325	Radio Frequence Identification
		2	MESIIN486025	Reverse & forensic
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK COMPUTER SCIENCE	6	2	MESIIN480325	NoSQL
		2	MESIIN483625	Containerization Technologies
		2	MESIIN483825	Trusted AI
Total	30	30		

ESILV – Course List 4th Year – Digital Modelling & Mechanics – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	-	MAEIIN480125	MasterClass CATIA (en français)
		2	MESISI480425	Computational Solid Mechanics
		2	MESISI480725	Computation Fluid Dynamics (CFD)
		2	MESISI482825	Materials and behavior
		2	MESISI484725	Supply chain
		-	MESISI595225	Masterclass Design of battery electric vehicle
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK ENGINEERING SCIENCES	6	2	MESIIN484025	Image processing
		2	MESIIN484125	Applications of AI
		2	MESISI482725	Thermochemistry
Total	30	30		

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ESILV – Course List 4th Year – Aerospace & Defense – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	2	MESISI484125	Computational fluid dynamics of flights
		1	MESISI484525	Structural mechanics for aerospace
		2	MESISI484325	Propulsion and control of rockets
		2	MESISI484425	Defense in Aerospace - project management
		1		Cyber-defense
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK ENGINEERING SCIENCES	6	2	MESIIN484025	Image processing
		2	MESIIN484125	Applications of AI
		2	MESISI482725	Thermochemistry
Total	30	30		

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ESILV – Course List 4th Year – Health Engineering & Biotechnology – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	2	MESISI474425	Control Theory
		1	MESISI483025	Ethics, quality and regulation
		1	MESISI483225	Applied data analysis
		1	MESISI483325	Telehealth & Health information systems
		2	MESISI483425	Experimental methodology and biostatistics
		1	MESISI484825	Medical CAD/CAM
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK CYBER PHYSICAL HUMAN SYSTEMS	6	2	MESIIN485225	Embedded Artificial Intelligence
		2	MESIIN485325	Computer Vision
		2	MESISI484925	Finite element methods
Total	30	30		

ESILV – Course List 4th Year – Financial Engineering – Spring Semester

Spring Semester – S08

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIFI482125	Statistical Risk Analysis and Game Theory
		2	MESISI482525	Computational modeling
PROJECT	5	5	MESIGP480125	Project
SOFT SKILLS	1	1	MATXSK480125	Hackathon Year 4
		-	MESILVF8+125	FLE (French)
SPECIALIZATION	8	3	MESIFI480725	Stochastic calculus
		2	MESIFI480925	Derivatives pricing and hedging
		2	MESIFI481325	Machine learning and asset management
		1	MESIFI482325	Commodities markets and models
INTERNSHIP	6	6	MESIST480125	Internship Year 4
TRACK FINANCE & ASSURANCE	6	2	MESIFI481025	Portfolio Management
		1	MESIFI481125	Equity derivatives
		2	MESIFI481225	Simulation methods
		1	MESIFI482225	Advanced times series econometrics
Total	30	30		

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ESILV – Course List 5th Year – Cybersecurity & Cloud Computing – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	2	MESIIN593225	Advanced Network Security
		2	MESIIN593425	Cloud Orchestration
		2	MESIIN594625	Cloud Data Structure
		2	MESIIN594925	PenTest
		2	MESIIN595825	Governance Risk and Compliance
		2	MESIIN595925	Cyber Resilience & Crisis Management
TRACK COMPUTER SCIENCE	6	2	MESIIN594325	Security use cases
		2	MESIIN594425	Graph and mining
		2	MESIIN594525	Gen AI prompting and copilot
Total	30	30		

ESILV – Course List 5th Year – Data & Artificial Intelligence – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	2	MESIIN595025	Large Language Models and Generative AI
		2	MESIIN595125	Computer Vision and Deep Learning
		2	MESIIN595225	Spark for Big data
		1	MESIIN595325	Explainability AI
		2	MESIIN595525	BI Pipeline
		2	MESIIN595625	Advanced expertise in machine learning
		1	MESIIN596525	Big data structure
TRACK COMPUTER SCIENCE	6	2	MESIIN594325	Security use cases
		2	MESIIN594425	Graph and mining
		2	MESIIN594525	Gen AI prompting and copilot
Total	30	30		

ESILV – Course List 5th Year – Energy & Sustainable Cities – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	3	MESISI592625	Energy Storage Systems
		3	MESISI592725	Ecodistrict
		1	MESISI592825	Environmental Regulation RE2020
		1	MESISI593025	Sustainable Projects : Low Tech & Social Economy
		2	MESISI594425	Life Cycle Analysis
		2	MESISI594525	Eco-conception of buildings
		-	MESISI595225	Masterclass Design of battery electric vehicle
TRACK ENGINEERING SCIENCES	6	2	MESISI590425	Material accounting
		2	MESISI592125	Industrial Design
		2	MESISI594325	Sustainable Automobile Engineering
Total	30	30		

ESILV – Course List 5th Year – Fintech – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	1	MESIFI590225	Cryptofinance
		2	MESIFI590325	Lightning Network
		3	MESIFI590425	Monnaies Numériques / Digital currency
		1	MESIFI592125	Mobile Development
		2	MESIFI592725	Proof of Stake
		1	MESIFI592825	Zero Knowledge Proofs
		1	MESIFI594725	Payment overview
		1	MESIIN596225	Security and performance of smart contracts
TRACK COMPUTER SCIENCE	6	2	MESIIN594325	Security use cases
		2	MESIIN594425	Graph and mining
		2	MESIIN594525	Gen AI prompting and copilot
Total	30	30		

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ESILV – Course List 5th Year – Industry & Robotics – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	2	MESIIN592725	Autonomous Embedded Systems
		3	MESISI590525	Connected Factory
		2	MESISI591425	Industrial Data Management
		2	MESISI591725	Multidisciplinary Design Optimization
		3	MESISI595125	Safety and Security
TRACK CYBER PHYSICAL HUMAN SYSTEMS	6	2	MESISI590325	Additive Manufacturing
		2	MESISI594925	Digital Twins
		2	MESISI595325	Digital simulation of ergonomics
Total	30	30		

ESILV – Course List 5th Year – IoT & Cybersecurity – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	2	MESIIN592625	IoT Security Architecture
		2	MESIIN595825	Risk Management
		2	MESIIN595925	Cyber Resilience & Crisis Management
		2	MESIIN596025	IoT Pentesting
		2	MESIIN596125	Industrial Security
		2	MESIIN596425	Information Security Management
TRACK COMPUTER SCIENCE	6	2	MESIIN594325	Security use cases
		2	MESIIN594425	Graph and mining
		2	MESIIN594525	Gen AI prompting and copilot
Total	30	30		

ESILV – Course List 5th Year – Digital Modelling & Mechanics – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	-	MESISI590125	MasterClass 3DEXPERIENCE
		1	MESISI591225	Composite materials
		2	MESISI591525	Flight mechanics and avionics
		2	MESISI592225	Aeroelasticity
		2	MESISI592325	Multiscale Modeling and Simulation
		2	MESISI593225	Fracture mechanics
		1	MESISI594625	Digital twins
		2	MESISI594725	Nanomaterials
		-	MESISI595225	Masterclass Design of battery electric vehicle
TRACK ENGINEERING SCIENCES	6	2	MESISI590425	Material accounting
		2	MESISI592125	Industrial Design
		2	MESISI594325	Sustainable Automobile Engineering
Total	30	30		

ESILV – Course List 5th Year – Health Engineering & Biotechnology – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	2	MESIIN591325	HMI and sensory engineering
		2	MESIIN591625	Neuroengineering
		3	MESIIN592825	Connected objects and IoT for human health
		2	MESIIN596325	Medical computer vision and image processing
		3	MESISI593525	Materials and implants
TRACK CYBER PHYSICAL HUMAN SYSTEMS	6	2	MESISI590325	Additive Manufacturing
		2	MESISI594925	Digital Twins
		2	MESISI595325	Digital simulation of ergonomics
Total	30	30		

ESILV – Course List 5th Year – Financial Engineering – Fall Semester

Fall Semester – S09

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
CORE	4	2	MESIIN594125	Data protection management
		2	MESISI594225	Product Life-cycle Management (PLM)
LANGUAGES	0	-	MESILVS-0525	FLE (French)
PROJECT	5	1	MESIEI591525	Thesis methodology
		4	MESIGP59+125	Project
		-	MESISK590225	Accompagnement SoftSkills Projet A5 / Soft Skills Year 5 Project Support
SOFT SKILLS	3	1,5	MATXSK590125	Séminaire A5 Soft Skills et Leadership / Year 5 seminar Soft Skills & Leadership
		1,5	MESISK590125	Marketing Yourself et négociation salariale / Marketing Yourself & salary negotiation
SPECIALIZATION	12	1	MESIFI590825	Model risk
		2	MESIFI591225	Algorithmic trading
		2	MESIFI594125	FX market and models
		1		Deep pricing
		1		Network science in finance
		2	MESIFI594325	Model calibration
		2	MESIFI594425	Advanced fixed-income with Bloomberg
		1	MESIFI594525	Derivatives trading
TRACK FINANCE & ASSURANCE	6	2	MESIFI591025	Diffusion models
		2	MESIFI593225	Basel 3, credit risk and machine learning
		2	MESIFI593325	Advanced stochastic processes
Total	30	30		

ESILV – Course List 5th Year – All Programs – Spring Semester

Spring Semester – S10

Teaching Unit (TU)	ECTS by TU	ECTS by Course	Code	Course
INTERNSHIP	22	22	MESIST500125	Internship
SCIENTIFIC CAPSTONE REPORT	8	8	MESIEI500225	Mémoire
Total	30	30		