



Exchange students

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ACADEMIC CALENDAR 2024-2025

FOR ALL INTERNATIONAL STUDENTS

Fall semester :

- Welcome day: **August 30th, 2024**
- French courses/Intercultural activities: **September 2nd to September 13th, 2024 (dates to be confirmed)**

Spring semester :

- Welcome day: **beginning January 2025**



❖ Vocational bachelor's degrees (year 3)

- Spring semester courses: **From beginning of February 2025 until end of May 2025**



❖ Master's level IDWine:

- Fall semester courses: **From mid-October 2024 until end of February 2025**



❖ Bachelor of science in Agricultural Engineering – 3rd year

- Fall semester courses: **From September 18th until the end of January 2025**
- Winter break: **December 15th to January 3rd, 2025**
- Spring semester courses: **From beginning of February until end of May 2025**



❖ Master of science in Agricultural Engineering – 1st year and 2nd year

- Fall semester courses: **From September 2nd until the end of January 2025**
- Winter break: **December 15th to January 3rd, 2025 (dates to be confirmed)**
- Spring semester courses: **From beginning of February until end of May 2025**

Admission procedures

Deadlines – for fall semester: April 30th // for spring semester: October 31st

➤ **Step 1: Nomination by Home University**

ESA's incoming mobility coordinator must receive an official nomination from your home university that includes: your name, email address, desired field of study and level of program.

➤ **Step 2: Complete your application file**

Start your application file on our online platform: lien
You will need the following documents: CV – Cover letter – Academic Transcript of records – certified document of B2 level either in French or English – copy of your passport or national ID (Europe).

➤ **Step 3: Complete your learning agreement**

Once your application has been accepted you will have to complete your learning agreement, either your home university version or the version provided by the ESA international office.

➤ **Step 4: Welcome pack + admission letter sent by ESA**

Once these steps are completed, you will receive your official acceptance letter and welcome pack.

FRENCH AS A FOREIGN LANGUAGE FRANÇAIS LANGUE ETRANGERE

French courses as a Foreign Language are highly recommended for all international students.

Les cours de français sont fortement recommandés pour tous les étudiants internationaux.

Calendrier des cours de FLE dans l'établissement d'accueil et code de la matière / Study period of courses « French as a Foreign Language » and course code	Nombre de crédits ECTS attribués Number of ECTS credits to be awarded
	Séjours d'études Exchange students
FLE1 – Session Intensive de 2 semaines (début septembre) – Intensive session during 3 weeks (the first 3 weeks of September)	4
FLE2 – De septembre aux vacances de fin d'année – From September until the end of the academic semester	2
FLE3 – De février à mi mai – From February to Mid-May (<i>if enough students to open the group</i>)	2

Vocational Bachelor degree (year 3)
Innovation and Transformation of local food products
Only during spring semester

- **Language of instruction:**  B1 level minimum
- **Prerequisites:** Bachelor 2 or Bachelor 3 in sciences

Module 1 – Typical product characterization (TPC)	
TPC1 – Food science and technology – 6ECTS	15 ECTS
TPC2 - Quality label/concept of terroir – 5 ECTS	
TPC3- European Food law and policy/risk management – 2 ECTS	
TPC4- Branding of regional products and sales – 2 ECTS	
Module 2 – Management of an innovative project and innovation strategies (MIPS)	
MIPS1 - Food product innovation and innovation strategies – 6 ECTS	15 ECTS
MIPS2 - Project management – 2 ECTS	
MIPS3- Local and industrial processing – 2 ECTS	
MIPS4- Case study – 5 ECTS	
	30 ECTS

Vocational Bachelor degree (year 3)
Plant Production – Minor Plant breeding and experimentation
Only during spring semester

- **Language of instruction:**  B1 level minimum
- **Prerequisites:** Bachelor 2 or Bachelor 3 in sciences

Module 1 – Introduction to French	
- Survival French and visits in Angers area (food, wine and crop production)	2 ECTS
Module 2 – Production management	
- Genetics and genetic resources - Crop pathology - Vegetal excellence in Angers: company visits in the field of seed production, field experimentation, innovation. Students will improve their expertise and strengthen their career project.	5 ECTS
Module 3 – Crop breeding and experimentation	
- Breeding and experimentation: plant breeding, genotyping, plant genomics - Experimental scheme/field trials and data analysis (R software, ANOVA, Principal Component Analysis) - Breeding and seed quality: seed sorting, seed processing, seed quality (company's visits)	11 ECTS
Module 4 – Company placement	
- 7 to 9-week internship in plant selection company or experimentation station, many possibilities among ESA's company network)	12 ECTS
	30 ECTS

Master's level program (year 5)
IDWine: Managing Identity and Sustainability of Terroir Driven Wines
Only during fall semester

- Language of instruction:  B1 level minimum
- Prerequisites: Bachelor 4 or Master 1 in sciences

Module 1 – IM2-IDWINE-EWTS / 10 ECTS	
- Understanding French/European Wine Terroir Systems and assessing the added values of terroir-driven wines (<i>mid-October/November</i>)	10 ECTS
Module 2 – IM2 IDWINE AGIT / 5 ECTS	
- Analysing GIs and Terroir specificities ‘International and French’ case studies (<i>November/December</i>) → Prerequisites to attend this module: IM2-IDWINE-EWTS	5 ECTS
Module 3 – IM2 IDWINEID ARP / 10 ECTS	
- Applied research project (<i>mid October/February</i>)	10 ECTS
	25 ECTS

AND YOU CAN ADD THIS MODULE

Module 4 – IM2-IDWINE-IWTS / 5 ECTS	
- Assessing International Wine Terroir Systems WSET3 ★ (<i>January/mid-February</i>)	5 ECTS
30 ECTS	

★ The WSET3 is mandatory if you choose to add this module with 5 ECTS.

Please ask us about examination fees.

Note that this program starts on October 11th and ends on February 28th, 2025.

3ème année de Licence – Cycle ingénieur agronome **Bachelor of science in Agricultural Engineering – 3rd year**

- Langue d'enseignement : Niveau B1 minimum
- Prerequisites: Bachelor's degree 2nd or 3rd year
- Language of instruction: B1 level minimum
- Prerequisites: Bachelor's degree 2nd or 3rd year

SEMESTRE D'AUTOMNE – COURS OBLIGATOIRE – 3^{ème} année	Nombre d'ECTS à obtenir
ST - Stage en exploitation agricole (6 semaines - de mi-septembre à fin octobre) – Internship	6 ECTS
IL3-PEC - Populations, Communautés, Paysage, Hydrologie et Communication – <i>Populations, Communities, Landscapes, Hydrology and Communication</i>	5 ECTS
IL3-CHANGE - Changements Globaux, gestion des ressources et crises environnementales – <i>Global change, resource management and environmental crises</i>	5 ECTS
IL3- DECRIRE - Développement socio-économique et crises environnementales - <i>Socio-economic development and environmental crises</i>	5 ECTS
IL3- AGAT – Agriculture, Alimentation et Transition – <i>Agriculture, Food chain and Transition</i>	5 ECTS
	26 ECTS

SEMESTRE DE PRINTEMPS – 3^{ème} année (LIENS et OI sont obligatoires + OPTION A ou OPTION B)	Nombre d'ECTS à obtenir
IL3-LIENS – Langues (LV2), Ingénieur Engagé et Solidaire – <i>Committed and supportive engineer</i>	5 ECTS
IL3-OI – Outils de l'ingénieur – <i>Engineering tools</i>	5 ECTS
OPTION A : IL3-ET - Option A, Entreprise et Transformation – Business and Transformation	
IL3-ET-MAMI – Caractérisation de boissons fermentées du commerce – Characterization of commercial fermented beverages	5 ECTS
IL3-ET-STRAMI – Stratégie et Marché – Strategy and market	5 ECTS
IL3-ET-OPUCE – Opérations unitaires caractérisation, environnement – Unit operations, characterization, environment	5 ECTS
IL3-ET-COPI – Contretypage d'un produit star de marché – Countertyping a market star product	5 ECTS
OPTION B : IL3-EXAM - Option B, Exploitation agricole dans son milieu – A farm in its environment	
IL3-EXAM-ETEPA – Intégration des Exploitations dans leur territoire et paysage – <i>Integrating farms into their environment and landscape</i>	5 ECTS
IL3-EXAM-PROGEX – Production, gestion de l'exploitation – <i>Production and management of the farm</i>	5 ECTS
IL3-EXAM-FONEA – Fonctionnement de l'exploitation agricole – <i>Farm operations</i>	5 ECTS
IL3-EXAM-OPTION – Végétale // Animale // Environnement – <i>Crop // Animal // Environment</i>	5 ECTS
	30 ECTS

1ère année de Master - Cycle ingénieur agronome

Master of science in Agricultural engineering – 1st year

- Langue d'enseignement: ■ Niveau B1 minimum
- Prérequis: Licence 3 ou Master 1

- *Language of instruction:* ■ B1 level minimum
- *Prerequisites:* final year Bachelor or master 1st year

SEMESTRE D'AUTOMNE – COURS OBLIGATOIRES	Nombre d'ECTS à obtenir
IM1-AD-S7- Analyses de données (niveau 1 et 2) – <i>Level 1 & 2 Multivariate Data Analysis</i>	4 ECTS
IM1-OI-S7 Outil de l'ingénieur BD - Base de données – <i>Database</i> INFO - Informatique de l'entreprise – <i>Business Information System</i> SIG - Systèmes d'informations géographiques – <i>Geographic Information Systems</i>	4 ECTS
IM1-SSOL-S7 Sciences sociales et langues HOME - Humanités, Ouverture, méthodes, éthique – <i>Humanities, Transparency, Methods, Ethics</i> OPA - Organisations professionnelles Agricoles – <i>Professional Agricultural Organizations</i>	4 ECTS
IM1-MIM – Module Inter-Majeures // Inter-major modules	Dans ce module, choisir une classe
IM1-MIM-SIG – Systèmes d'Information Géographique – <i>Geographic Information Systems</i>	6 ECTS
IM1-MIM-META – Méta-analyse – <i>Meta-Analysis</i>	6 ECTS
IM1-MIM-ASPE – Analyse sensorielle et plans d'expérience – <i>Sensory Analysis and Sampling Plans</i>	6 ECTS
IM1-MIM-EXPV – Expérimentation en Productions Végétales – <i>Experimentation in Crop Production</i>	6 ECTS
IM1-MIM-SEMS – Stratégie d'Entreprise Marketing Stratégique – <i>Corporate Strategy and Strategic Marketing</i>	6 ECTS
IM1-MIM-GDID – Gestion de Données Informatique Décisionnelle – <i>Data Management and Business Intelligence</i>	6 ECTS
MAJEURES – MAJORS/SPECIALIZATIONS	CHOISIR UNE SEULE MAJURE
❖ Majeure PVA – Productions Végétales et Agroécologie – <i>Crop production and Agroecology</i> IM1-PSP-PSA1 – Pilotage des systèmes agricoles (niveau 1) – <i>Farming Production Management Systems (Level 1)</i> (6 ECTS) IM1-PSP-PSA2 – Pilotage des systèmes agricoles (niveau 2) – <i>Farming Production Management Systems (Level 2)</i> (6 ECTS)	12 ECTS

<p>❖ Majeure VIVI – Vigne et Vin, Production durable et Marchés internationaux – Vine and Wine : Sustainable productions and International market</p> <p>IM1-OEN-OEN1 – Fondements d'œnologie et itinéraires de production – Basic knowledge of oenology and production (6 ECTS)</p> <p>IM1-OEN-OEN2 - Oenologie durable et appliquée – Sustainable and applied oenology (6 ECTS)</p>	12 ECTS
<p>❖ Majeure TAQ – Transformation, Alimentation et Qualité – Food processing, food science, nutrition and quality</p> <p>IM1-FCAA-BIAA1 – Bagages de l'ingénieur en IAA – Technical backgrounds for Engineers in Agri-Food Industries (2 ECTS)</p> <p>IM1-FCAA-FHP – Fabrication Halle Pilote – Pilot Manufacturing Center (2 ECTS)</p> <p>IM1-FCAA-MB-OC – Outils de caractérisation – Characterization tools (2 ECTS)</p> <p>IM1-FCAA-BIAA2 – Etude de cas avec commanditaire & Modélisation – Case study with sponsors & Modelling (2 ECTS)</p> <p>IM1-FCAA-ET – Etudes de cas entreprise – Company case studies (4 ECTS)</p>	12 ECTS
<p>❖ Majeure PA – Productions animales : élevages et filières – Animal Production : livestock farming and livestock industry</p> <p>IM1-SEL-GEN – Génétique et systèmes d'élevage - Genetics and breeding systems (2 ECTS)</p> <p>IM1-SEL-MOD – Modélisation – Modelling (2 ECTS)</p> <p>IM1-SEL-DUR - Durabilité des systèmes d'élevage – Sustainability of livestock systems (2 ECTS)</p> <p>IM1-SEL-ETU-ETU – Etudes terrain – Field studies (6 ECTS)</p>	12 ECTS
	30 ECTS

SEMESTRE DE PRINTEMPS – COURS OBLIGATOIRE	Nombre d'ECTS à obtenir
IM1-AD-S8 - Analyses de données multivariées niveau 1 et 2 <i>(si pas suivi au semestre d'automne)</i> – Level 1 & 2 Multivariate Data Analysis <i>(if not taken in the fall)</i> OR IM1-RFAG-S8 - Regional Foods Across the Globe: Cultures, Identities and Business' <i>(taught in English)</i>	4 ECTS
IM1-SHS-S8 – Sciences humaines et sociales ODIN - Ouverture, développement, international, négociation – Transparency, to development, International, Negotiation	4 ECTS
IM1-SSOL-S8 – Sciences sociales et langues PROJET – Management et gestion de projet – Project Management	4 ECTS
MAJEURES – MAJORS/SPECIALIZATIONS	CHOISIR UNE SEULE MAJORE
<p>❖ Majeure PVA – Productions Végétales et Agroécologie – Crop production and Agroecology</p> <p>IM1-FILTER- Filières et Territoires : Gestion durable des productions végétales – Value chains and Regions : Sustainable crop production management (6 ECTS)</p> <p>IM1-PRODIV- Productions et Biodiversités – Farm Productions and Biodiversity (6 ECTS)</p>	12 ECTS

<p>❖ Majeure IED – Ingénierie pour l'Environnementale et Durabilité – <i>Environmental and sustainable Engineering</i></p> <p>IM1-MIED – Méthodes d'Ingénierie pour l'Environnementale et la Durabilité – <i>Methods of Environment and Sustainability Engineering</i> (6 ECTS)</p> <p>IM1-RIED – Réalisation Ingénierie pour l'Environnementale et la Durabilité – <i>Realizing Environmental and Sustainability Engineering</i> (6 ECTS)</p>	12 ECTS
<p>❖ Majeure PA – Productions animales : Elevage et filière – <i>Animal production : livestock farming and livestock industry</i></p> <p>IM1-TECH-NUT – Nutrition animale et santé – <i>Animal nutrition and health</i> (4 ECTS)</p> <p>IM1-TECH-AUD1 – Audits d'élevage niveau 1 – <i>Audit of Livestock production (level 1)</i> (2 ECTS)</p> <p>IM1-AEA-AEA – Audits d'élevage approfondis – <i>Advanced audit of livestock production</i> (6 ECTS)</p>	12 ECTS
<p>❖ Majeure TAQ – Transformation, Alimentation et Qualité – <i>Food processing, food science, nutrition and quality</i></p> <p>IM1-QSA-MB-MQIAA – Sécurité des aliments et assurance qualité – <i>Food safety and quality insurance</i> (3 ECTS)</p> <p>IM1-QSA-MB-SECA – Sécurité des aliments – <i>Food safety</i> (3 ECTS)</p> <p>IM1-QSA-MA-HACCP – Sécurité des aliments et assurance qualité : Applications - <i>Food Safety and Quality Assurance : Applications</i> (1 ECTS)</p> <p>IM1-QSA-MA-APPLI – Etude terrain – <i>Field study</i> (3 ECTS)</p> <p>IM1-QSA-MA-QC – Qualité et sécurité (niveau 2) – <i>Food safety and quality (level 2)</i> (2 ECTS)</p>	12 ECTS
<p>❖ Majeure MSE – Environnement et ressources de l'entreprise – <i>Business environment and resources</i></p> <p>IM1-ERE-MB-EJF-NIV1 – Environnement juridique et financier de l'entreprise (niveau 1) – <i>Legal and Financial Business Environment (level 1)</i> (2,75 ECTS)</p> <p>IM1-ERE-MB-GBRH-NIV1 – Gestion budgétaire Management des Ressources Humaines (niveau 1) – <i>Human Resource Management and Financial management (level 1)</i> (3,25 ECTS)</p> <p>IM1-ERE-MA-EJF-NIV2 – Environnement juridique et financier de l'entreprise (niveau 2) – <i>Legal and Financial Business Environment (level 2)</i> (3,50 ECTS)</p> <p>IM1-ERE-MA-GBRH-NIV2 – Gestion budgétaire Management des Ressources Humaines (niveau 2) – <i>Human Resource Management and Financial management (level 2)</i> (2,50 ECTS)</p>	12 ECTS
<p>IM1-MRI- Mission Recherche et Innovation – 12 semaines – <i>Internship on Research and Innovation (12 weeks)</i></p> <p>⇒ Cette mission en entreprise peut être facultative (this company internship is not mandatory)</p>	6 ECTS
	30 ECTS

2ème année de Master – Cycle ingénieur agronome
Master of science in Agricultural engineering – 2nd year
(Fall semester only)

- Langue d'enseignement :   Niveau B1 minimum
- Prérequis: Master 1 ou 2

- Language of instruction:   B1 level minimum
- Prerequisites: Master 1st or 2nd year

Choisir UNE spécialisation (modules non séparables) / Choose ONE specialization (modules are indivisible)

#1 IM2- MI - Analyse et Management des Marchés Internationaux de Produits Agricoles et Agro-Alimentaires
- Analysis and Management of International Markets for Agricultural and food products

IM2-MI-EDI – Economie et droit international – International law and economics	7 ECTS
IM2-MI-MKI – Marketing international et management du commerce international – International marketing and international business management	8 ECTS
IM2-MI-MNI – Marchés de produits agricoles et alimentaires et négoce international – Markets for agricultural and Food products and International Trade	8 ECTS
IM2-MI-GAAI – Géopolitique de l'agriculture et des affaires internationales – Agricultural geopolitics and International Affairs	7 ECTS

#2 IM2-LV - Production et Transformation dans les filières Lait et Viande – Production and Transformation in Milk and Livestock/Meat value chains

IM2-LV-PT – Production et transformation du Lait et de la Viande – Production and transformation of Milk and Meat (Livestock) value chains	13 ECTS
IM2-LV-ES – Economie et Stratégie dans les Entreprises des Filières Lait et Viande – Economics and strategy in Business within the Milk and Meat value chains	9 ECTS
IM2-LV-PR – Projet : Fonctionnement et Optimisation des Filières Lait et Viande – Project : Operation and optimization of Milk and Meat value chains	8 ECTS

#3 IM2-REALPV – Relever les enjeux de l'Agroécologie dans les productions végétales – Meet the challenges of Agroecology in crop production

IM2-REALPV-TER – Territoire – Geography	5 ECTS
IM2-REALPV-TS – Terre et sol – Land and soil	6 ECTS
IM2-REALPV-EN – Enjeux – Challenges	5 ECTS
IM2-REALPV-DIV – Diversité – Plurality	6 ECTS
IM2-REALPV-EL – Etude longue – Study field	8 ECTS

#4 IM2-IDIPA – Innovation et Développement Industriel des Produits Alimentaires – Innovation and Industrial Development of food products

IM2-IDIPA-CE – Etude cadrée : changement d'échelle – Framed study : change of scale	6 ECTS
IM2-IDIPA-OI – Préparation industrialisation / Echelle pilote / Organisation industrielle – Industrial preparation/ Pilot plant / Industrial organization	12 ECTS
IM2-IDIPA-SQ – Processus conception et développement : objectif sécurité et qualité – Design and development process : safety and quality objectives	4 ECTS

IM2-IDIPA-FORM – Formulation: du brief à la maquette produit – <i>Formulation: from brief to model product</i>	8 ECTS
#5 IM2-TED – Transition environnementale et durabilité – Environmental transition and Sustainability	
IM2-TED-EGDE – Evaluation environnementale, Gestion Durable et Ecoconception – <i>Environmental assessment, sustainable management and eco-design</i>	7 ECTS
IM2-TED-RSEE – Régulation Sociale des Enjeux Environnementaux – <i>Social regulation of environmental issues</i>	7 ECTS
IM2-TED-SVPE – Systèmes Vivants Productifs et Ecosystème – <i>Productive living systems and ecosystem</i>	7 ECTS
IM2-TED-AP – Applications et Projets – <i>Field study</i>	9 ECTS
#6 IM2-MSE – Stratégie, Management et Conseil – Strategy, Management and consulting	
IM2-SMC-ENV – Environnement géopolitique/économique de l'agriculture – <i>Geopolitical/economical environment of agriculture</i>	9 ECTS
IM2-SMC-DIAG – Management de l'innovation – <i>Managing innovation</i>	6 ECTS
IM2-SMC-ENTR – Développer mes compétences d'entrepreneur – <i>Develop my entrepreneurial skills</i>	8 ECTS
IM2-SMC-CONS – Evoluer dans le milieu professionnel – <i>Evolv in the professional world</i>	7 ECTS
#7 IM2-AFISEM – Agroécologues pour la Filière Semencière – Agroecologists for the Seed Value chain	
IM2-AFISEM-FMS – Filière et marché des semences – <i>Seed sector and market</i>	6 ECTS
IM2-AFISEM-SPS – Sélection et Production des semences – <i>Selection and Seed production</i>	6 ECTS
IM2-AFISEM-EI – Enjeux et Innovations – <i>Challenges and Innovation</i>	5 ECTS
IM2-AFISEM-TER – Territoire – <i>Territory</i>	5 ECTS
IM2-AFISEM-ETUD – Etude – <i>Study project</i>	8 ECTS
	30 ECTS

Contact for incoming students

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