

**MASTER 2 : E-Learning
EDUCATION SCIENCES**

Digital Engineering in Higher Education and Adult Training (INES)

Integrated Learning Centre (Intelec)

« DOUBLE DEGREE »

Course Overview

The Master 2 (INES) course is tailor-made for professionals looking for dual skills or people in career transition. It aims to train professionals in the use of digital technologies at a distance, in the design of online training projects and in the management of teams in hybrid or remote mode.

At the end of the entire program, participants will be able to:

1. Design and develop online courses or training in educational and professional environments.
2. Deliver courses in hybrid, blended and distance learning modes.
3. Offer e-learning consulting services and manage instructional engineering projects.

This programme can also be followed as a complementary qualification for professionals already active in the education sector. Throughout this master's degree, participants are encouraged to develop a sense of responsibility and autonomy by acquiring professional skills in education, instrumental skills, as well as knowledge of tools and methodologies, digital mediations, activity management, and techniques for evaluating educational projects.

The skills and attitudes that students will acquire at the end of this Master's degree, effectively preparing them for employment, are as follows:

(a) Integrate the special status of the adult learner into training programmes: students will be able to understand and take into account the needs, characteristics, and learning preferences of adults, a crucial element for the design of effective training programmes.

(b) Design pedagogical spaces for adult learning experiences: Students will be able to create adult-friendly learning environments, taking into consideration their specific needs.

(c) Valuing experience: Students will learn to recognize and leverage the prior experience of adult learners as an asset in the learning process. (d) Analyze issues related to quality processes in education: students will be trained in the quality standards and evaluation processes essential to ensure high-quality training programs.

(e) Implement budget planning for online and distance education: Students will develop financial management skills to effectively design and manage the budget for online and distance education programs.

(f) Analysing the consequences of societal changes on teaching and learning: Students will be able to assess the impact of societal changes on teaching and learning, a crucial aspect for the design of relevant educational programmes.

(g) Model the training engineering process in context: students will learn how to develop training programs using a systematic approach, adapted to the specificities of their context.

(h) Ensure professional monitoring in the field of training engineering: students will develop the ability to stay informed of trends and developments in the field of training engineering, an essential asset to remain competitive in the job market.

(i) Select and use management tools to drive a project: Students will learn project management skills, which are essential for planning and implementing effective training programs.

(j) Write a research dissertation: Students will develop research skills, including data collection and analysis, which are valuable skills in a variety of training-related careers.

(k) Choosing instructional models based on the intended objectives: Students will learn how to select and adapt instructional models according to the needs and objectives of the training, a crucial aspect for designing effective programs.

(l) Write, produce, and deploy a script using appropriate digital tools: Students will learn digital content design skills, which are increasingly in demand in online education.

(m) Choosing the right tools for group work on project construction: students will be able to select the appropriate tools and methods for team collaboration and project management, an essential skill in many professional situations.

By developing these skills and attitudes, students will be well prepared to work in the field of training engineering, adult education, and designing effective training programs for diverse audiences.

Teaching methods

The training is provided remotely on the Moodle Teaching platform (the LMS platform of the University of Caen and the University of the Mascarenes). The seminars are offered online in the form of workshops, individual and group activities (collaborative work between students from both universities), as well as through asynchronous and synchronous interactions (videoconferences). Access to digital libraries on specified databases is also offered.

Internships and research fields can take place face-to-face or remotely, in a national or international context.

Learners are encouraged to develop their learning autonomy as well as their critical thinking, thus becoming independent learners. Independent learning and intellectual development, including critical thinking, are addressed through assignments, case studies, and the research project completed in the final year. Students are encouraged to take responsibility and initiative to carry out their research work under the supervision of their respective supervisors. Assessments include a master's thesis, tests, assignments, mini-projects, exercises, and presentations. They are carefully planned and detailed in the Module Fact Sheet (FIM). The details of the assessments highlight the need to balance formative and summative assessments. As a rule, summative assignments are assigned during the second semester. In the meantime, ongoing formative assessments are being put in place to address some of the learning outcomes.

| Programme | ECTS | HTD | Auto F | Programme | ECTS | HTD | Auto F |
|--|------|-----|--------|--|------|-----|--------|
| SEMESTRE 3 | | | | SEMESTRE 4 | | | |
| UE 31 - COMPETENCES METIERS DE LA FORMATION | | | | UE 41 - MEDIATIONS NUMERIQUES | | | |
| Adultes en formation et à distance | 3 | 18 | 50 | Hybrider des formations | 3 | 18 | 50 |
| Modèles et pratiques pédagogiques en ligne | 3 | 18 | 50 | L'ingénierie de formation à l'heure du numérique | 3 | 18 | 50 |
| Ingénieries en contexte | 3 | 18 | 50 | Analyse de la pratique instrumentée | 3 | 18 | 50 |
| UE 32 - COMPETENCES INSTRUMENTALES | | | | UE 42 - MANAGER L'ACTIVITE | | | |
| Produire et utiliser des données et des bases en ligne | 3 | 18 | 50 | Démarches d'évaluation des dispositifs | 3 | 18 | 50 |
| Scénarisation et médiatisation de cours | 3 | 18 | 50 | Méthodologie du projet | 3 | 18 | 50 |
| Usages pédagogiques des plateformes de formation | 3 | 18 | 50 | Conférences invitées (mutualisé parcours IFACI) | 3 | 18 | 50 |
| UE 33 - LES ACTEURS, LES COLLECTIFS | | | | UE 43 - METHODOLOGIE (Au choix : Recherche ou Stage) | | | |
| Encadrer, accompagner et tutorer à distance | 3 | 18 | 50 | Stage (280 heures) et Mémoire | 12 | 36 | 280 |
| Projets collectifs et travail en réseau | 3 | 18 | 50 | Recherche et mémoire | 12 | | 280 |
| Individualisation et communautés d'apprentissage | 3 | 18 | 50 | | | | |
| UE 34 - OUTILS ET METHODOLOGIE | | | | | | | |
| Méthodologie du mémoire | 1 | 18 | 7 | | | | |
| LV Anglais (Unicaen) / FLE (UdM) | 2 | 18 | 20 | | | | |

Admission requirements

Eligibility criteria:

- ▶ Level required: M1 or equivalent, all disciplines.
- ▶ Access by VAP (Validation of Professional Experience): Recognition of previous knowledge and experience through an evaluation carried out by the coordinators and project managers of the Master's degree.
- ▶ Holder of a DU INES: Must validate only 4 ECTS credits.

Specific criteria:

- ▶ Degree required: Bachelor's degree or equivalent, and
- ▶ Professional experience: 3 years in adult education or teaching, or 6 years in any other professional field.

Language of instruction

Language :

The courses are mostly taught in French. However, a bilingual approach (French/English) can be adopted depending on the pedagogical context or the speakers.

French language proficiency :

Candidates must have a sufficient level of reading, writing and oral expression in French. This can be proven through a variety of means, such as certificates, language courses taken, academic achievements in French-speaking contexts, or professional roles requiring effective use of French. Accepted evidence may include certificates of qualification, language test scores (e.g., DELF/DALF exams), academic transcripts, or letters of recommendation validating language proficiency. Demonstration of the practical application of French in professional or social contexts is also an asset.

Special cases: Equivalences

For holders of an INES University Diploma (DU INES): They are required to validate only 4 ECTS credits, including:

- ▶ Analysis of instrumented practice (the course has been modified since the DU)
- ▶ Project methodology (the course has been modified since the DU)
- ▶ Invited lectures (new seminar)
- ▶ Research Thesis or Internship and Internship Thesis

Career Prospects

The skills acquired during the Master's degree open up a wide range of professional perspectives. Graduates of the INES Master's degree will be well positioned to access a diverse range of roles in the fields of education, vocational training and educational programme development:

- ✓ Instructional Designer, Head of Continuing Education, Consultant in Adult Education.
- ✓ Instructional Designer, Educational Program Coordinator, Corporate Trainer.
- ✓ Training Facilitator, Professional Development Consultant, Skills Assessment Manager.
- ✓ Education Quality Manager, Training Program Auditor, Quality Assurance Expert.
- ✓ E-learning Project Manager, Training Financial Manager, Education Budget Planner.
- ✓ Educational Trend Analyst, Educational Strategy Consultant, Education Researcher.
- ✓ Educational Engineer, Training Program Developer, Training Engineering Consultant.
- ✓ Head of Business Intelligence, Professional Development Expert, Educational Trends Consultant.
- ✓ Project Manager, Training Coordinator, Program Manager.
- ✓ Education Researcher, Educational Data Analyst, Educational Content Writer.
- ✓ Educational Program Designer, Pedagogical Methods Specialist, Pedagogical Advisor.
- ✓ Digital Content Designer, E-Learning Specialist, Pedagogical Scenario Producer.
- ✓ Collaborative Project Coordinator, Team Training Manager, Working Group Facilitator.

Training Modality

Part-time: 1 Year

Online: Moodle LMS platform of the University of the Mascareignes and the University of Caen.

Tuition fees

Administrative Fee: MUR 700

Registration Fee: MUR 70,000/ semester