

Master in Information and Communication Science and technology

Focus Professional

The programme includes theoretical and practical classes (60 credits) focused on structuring information and gaining technological knowledge on information systems; in addition, students have the opportunity to complete an internship during the second year of the programme, which will let them apply their skills on the ground in a variety of environments. Lastly, a dissertation (25 credits) lets students delve deeper into a topic of their choosing.

The Master is mainly focused on the creation—both conceptual and technical—of information systems. This goal involves, among other things, taking into account the system's organisational environment and the assessment and improvement of the quality of information used. This process may be used, for instance, for document and records management.

Bloc 1 | M-STICS | MA-STIC

Cours obligatoires

- MEMO-B470 **Travail d'initiation à la recherche** | Sébastien DE VALERIOLA (Coordinator)
⌚ 5 credits [personal assignments: 60h] 📅 academic year 🗨️ French
- STIC-B405 **Introduction aux bases de données** | Frédéric SERVAIS (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨️ French
- STIC-B410 **Documentologie** | Isabelle BOYDENS (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨️ French
- STIC-B415 **Architecture des systèmes d'information** | Sébastien DE VALERIOLA (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨️ French
- STIC-B420 **Gestion des bibliothèques** | Christian BROUWER (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨️ French
- STIC-B425 **Ingénierie linguistique** | Max DE WILDE (Coordinator) and Pierrette BOUILLON
⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨️ French
- STIC-B440 **Processus d'entreprise et de modélisation** | Françoise ROSSION (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨️ French
- STIC-B450 **Algorithmes et programmation I** | Anthony LEROY (Coordinator)
⌚ 5 credits [lecture: 18h, tutorial classes: 18h] 📅 first term 🗨️ French
- STIC-B455 **Algorithmes et programmation II** | Joël GOOSSENS (Coordinator)
⌚ 5 credits [lecture: 18h, tutorial classes: 18h] 📅 second term 🗨️ French
- STIC-B540 **Visualisation des données et de l'information** | Sébastien DE VALERIOLA (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨️ French

Two courses chosen from the following

- COMM-B415 (optional) **Communication marketing : conception et évaluation** | Louis WIART (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨️ French
- COMM-B430 (optional) **Stratégies numériques en communication** | David GRUNEWALD (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨️ French
- ETHI-B411 (optional) **Information et société** | Thomas BERNS (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 first term 🗨️ French
- PSYC-D405 (optional) **Psychologie ergonomique** | Cécile VAN DE LEEMPUT (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨️ French

- STIC-B435
(optional) **Archivistique** | Aude ALEXANDRE (Coordinator)
🕒 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨️ French
- STIC-B561
(optional) **Données et méthodes des humanités numériques I**
🕒 5 credits [lecture: 24h] 📅 first term 🗨️ French
Ce cours est donné en alternance (un an sur deux) avec le cours STIC-B562
- STIC-B562
(optional) **Données et méthodes des humanités numériques II**
🕒 5 credits [lecture: 24h] 📅 first term 🗨️ French
Ce cours est donné en alternance (un an sur deux) avec le cours STIC-B561
- TRAD-B4007
(optional) **Localisation de logiciels** | Nancy MATIS (Coordinator)
🕒 5 credits [lecture: 48h] 📅 second term 🗨️ French
- TRAD-B4400
(optional) **Traductologie de corpus** | Marc VAN CAMPENHOUDT (Coordinator)
🕒 5 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨️ French

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Bloc 2 | M-STICS | MA-STIC

Cours obligatoires

- MEMO-B570 **Mémoire** | Sébastien DE VALERIOLA (Coordinator)
 ⌚ 25 credits [personal assignments: 30h] 📅 academic year 🗨️ French
- STIC-B500 **Projet : gestion et aspects méthodologiques** | Françoise ROSSION (Coordinator)
 ⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 first term 🗨️ French
- STIC-B505 **Conception et gestion de banques de données** | Frédéric SERVAIS (Coordinator)
 ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 first term 🗨️ French
- STIC-B510 **Qualité de l'information et des documents numériques** | Isabelle BOYDENS (Coordinator)
 ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨️ French
- STIC-B545 **Traitement automatique de corpus** | Max DE WILDE (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 first term 🗨️ French

A total of 15 credits chosen from the following

- STIC-B501 (optional) **Projet : stage en entreprise** | Sébastien DE VALERIOLA (Coordinator)
 ⌚ 10 credits [work placement: 120h] 📅 first term 🗨️ French
- STIC-B515 (optional) **Innovation digitale et Conception** | Quentin LIMBOURG (Coordinator)
 ⌚ 5 credits [lecture: 24h, tutorial classes: 24h] 📅 second term 🗨️ French
- STIC-B520 (optional) **Edition numérique** | Zeger KARSSSEN (Coordinator)
 ⌚ 5 credits [lecture: 24h] 📅 second term 🗨️ French
- STIC-B530 (optional) **Patrimoine culturel : questions de gestion, de conservation et de numérisation** | Frédéric LEMMERS (Coordinator)
 ⌚ 5 credits [lecture: 24h, field trips: 12h] 📅 second term 🗨️ French
- STIC-B535 (optional) **Introduction au Machine Learning**
 ⌚ 5 credits [lecture: 24h] 📅 first term 🗨️ French
- STIC-B561 (optional) **Données et méthodes des humanités numériques I**
 ⌚ 5 credits [lecture: 24h] 📅 first term 🗨️ French
 Ce cours est donné en alternance (un an sur deux) avec le cours STIC-B562
- STIC-B562 (optional) **Données et méthodes des humanités numériques II**
 ⌚ 5 credits [lecture: 24h] 📅 first term 🗨️ French
 Ce cours est donné en alternance (un an sur deux) avec le cours STIC-B561
- TRAD-B5015 (optional) **Localisation de sites web** | Paul MURAILLE (Coordinator) and Pascaline MERTEN
 ⌚ 5 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨️ French