COURSE CONTENTS

First Year

**Foundations in Computer Sciences Track (FCS)**
- Communication & Management - 6 ECTS
- Networking - 6 ECTS
- Calculability & Logic - 6 ECTS
- Resolution Methods - 6 ECTS
- Winter School - 6 ECTS
- Parallelism - 6 ECTS
- Mobile & Embedded Systems - 6 ECTS
- Image - 6 ECTS
- Software Engineering - 6 ECTS
- Personal Project - 6 ECTS

**Data Science Track** (with EIT Digital Master School)

Second Year

**Ubiquitous Networking and Computing (Ubinet)**
- Evolving Internet - 2 ECTS
- Graph Algorithms & Combinatorial Optimization - 2 ECTS
- Performance Evaluation of Networks - 2 ECTS
- Content Distribution in Wireless Networks - 2 ECTS
- An Algorithmic Approach to Distributed Systems - 2 ECTS
- Foundations & Models for on-chip systems & networks - 2 ECTS
- Middleware for Internet of Things - 2 ECTS
- Large scale distributed systems - 2 ECTS
- Français Langue étrangère - 2 ECTS
- Personal Project - 4 ECTS

Optional modules (4 out of 7 - 8 ECTS)
- Internet Measurements and New Architectures
- Distributed Optimization and Games
- From BitTorrent to privacy
- Algorithms for Telecommunications
- Security and Privacy 3.0
- Green Networking
- Virtualized infrastructure in cloud computing

Meet the challenges and make the technological choices of tomorrow in the domains of the Internet, Telecommunications and Distributed Systems.
A GOOD PLACE TO START YOUR CAREER

The International Master in Computer Science is hosted by the University Nice Sophia Antipolis in both Campus Valrose and Campus SophiaTech which gathers internationally recognized research and training institutes (CNRS, I3S, INRIA, EURECOM, Ecole Nationale Supérieure des Mines and Polytech Nice Sophia) to form a leading competitiveness cluster in computer science.

University Nice Sophia Antipolis has developed since more than 15 years exceptionally strong partnerships with the industry world, which is achieved through numerous R&D projects in France and Europe (Orange Labs, Alcatel-Lucent, SAP, Thales, NXP, Amadeus, Nokia Siemens Network, Cisco, HP and many others SMEs).

CAREERS

This curriculum opens a wide range of opportunities in the fields of computer systems and applications, software engineering, systems engineering, embedded systems, computer security, data science, network architecture and administration, etc.

It prepares students to design, to develop, to analyze and to manage complex innovative systems in various sectors. Time dedicated to personal projects and to the 2nd year professional internship helps developing marketable key skills and building up a network of contacts.

Graduates may also pursue their studies at PhD level or turn to entrepreneurship.

ADMISSION

The program is designed for those having completed their bachelor program in either computer science, networking, applied mathematics, or electrical engineering.

Université Côte d'Azur (UCA) is a Community of Universities and Establishments (ComUE), which brings together all of the well-known, internationally visible higher learning and research public and private entities on the Côte d'Azur. UCA, through its students, academies, staff and alumni, strives for excellence and educates students to the highest standards. UCA promotes transdisciplinarity and fosters interactions between academic research and private development research to offer an environment and networks in which talent can bloom and grow extensively.

TUITION FEES / GRANTS

The cost of this program is approximately 280 € / year. Students below 28 must also pay 200 € / year for social security. Students above 28 should subscribe to a private social insurance.

The scholarship program offers outstanding students the chance to receive a grant.

CALENDAR

February - April: First Round of applications
Mid May: 1st Round final notification of acceptance
May - End of June: Second Round of applications
Beginning of July: 2nd Round final notification of acceptance

CONTACTS

Applications and enquiries:
1st year: m1int-appi@i3s.unice.fr
2nd year: ubinet-application@lists-sop.inria.fr
Pr. Frédéric Mallet, Coordinator of FCS track
Pr. Françoise Baude, Coordinator of Data Science track
Pr. Guillaume Urvoy-Keller, Coordinator of Ubinet track
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