

SOFTWARE & SYSTEM ENGINEERING

SSE Master Degree Presentation

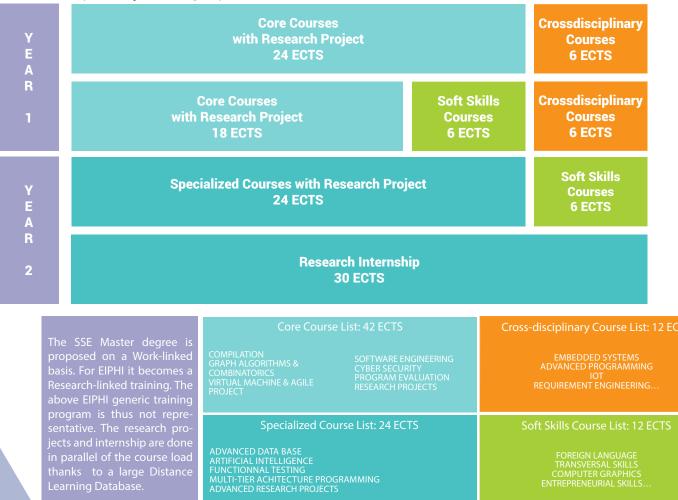
The Master SSE (Software and Systems Engineering) targets advanced software development techniques around the following four themes which are the subject of a choice of specialty in the second year of the Master:

- the development of complex distributed and networked software systems (DAD specialty),
- application security of computer systems (DLS specialty),
- software quality, agile methods, testing and verification (DL specialty),
- management of networked infrastructures and applications (GIAR specialty).

The backbone of the training focuses on in-depth software development techniques, in line with the key themes of the DISC/

FEMTO-ST research department and the industrial ecosystem of our training.

PROGRAM (Besançon Campus)











COMPUTER SCIENCE DEPARTMENT (DISC)

MOBILE NETWORKS, DISTRIBUTED SYSTEMS, VERIFICATION AND VALIDA-TION OF SOFTWARE AND EMBEDDED DEVICES

1 RESEARCH LABORATORIES

FECHNOLOGIES

4 RESEARCH TEAMS

AND

Distributed Digital Algorithms

RESEARCH

Digital simulation and grid computing Sensor networks, chaos and discrete dynamic systems Biocomputing

DEODIS

Design, Optimization and evaluation of shared systems

Wireless sensor networks and limited-resource systems Distributed algorithmics for synchronous collaborative applications Scheduling and optimization

OMNI

Optimization, Mobility, NetworkIng Multiscale mobile networks

VESONTIO

Verification and validation of embedded systems software

- Model-based tests; applications for safety and embedded sys-
- Algorithmics for finite models; applications for verification

