



MSc in Advanced Electronic Systems Engineering

University of Burgundy, Dijon - France

<http://www-iem.u-bourgogne.fr/MASTER/MSCAESE/>

PROGRAMME OBJECTIVES

The programme aims to

- enable MSc graduates to become quickly operational in industry at engineer level in the field of electronics.
- train graduates to master advanced techniques in electronics. They will have acquired the necessary skills to model, develop and build analogical, numerical, RF or even microwave frequency electronic systems, complying with electromagnetic compatibility.
- provide the fundamentals of modern electronics in theory and in practice, relevant both to SME's and multinationals.

CAREER OPPORTUNITIES

- Expert in analogical, numerical and RF electronics
- Electronic card designer working with EMC standards
- Specialist in Electronic Design Automation (EDA)

The skills gained during the course are fully recognized in industry and graduates can find positions in the private or public sector, in consulting firms, in the services industry, in SME's through to multinationals the following fields; electronics, robotics, signal engineering, Research & Development units, scientific or computer science committees. It can also lead to research career.

STRONG LINKS

WITH INDUSTRY

- Industry professionals and experts teach on the course
- Placements in industry

WITH RESEARCH LABS :

- Possibility to continue for a PhD degree

OVERVIEW

- Courses : September to mid March
- Placement : from mid March to mid September (minimum of 12 weeks, maximum 6 months)
- Placement report presentation: July or September
- Tuition fees: 475 €/year
- Potential scholarship depending on results
- Course Language : English or French

Contents	Lectures (h)	Tutorials (h)	Practical (h)	Total (h)	ECTS
Electromagnetic compatibility (EMC)	20	14	16	50	6
Sensors	20	10	20	50	6
RF Electronics	20	10	20	50	6
Programmable logical circuits	12	6	32	50	6
System Architecture	20	10	20	50	6
Local culture		50		50	6
French as a foreign language		50		50	6
Practical in electronics					6
Training					12

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