

**Electrical Engineering Department**  
**COORDINATOR OF THE PROGRAM**  
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### CAREER OPPORTUNITIES AND INTEGRATION

The GEII master's degree prepares graduates for careers in research as well as design engineering in fields related to electrical engineering.

#### • Engineering career opportunities

- Design office engineer
- Research and development engineer
- Project engineer for electrical installations
- Testing and commissioning engineer
- Automation, industrial regulation and systems control engineer
- Electrical engineering project manager
- Industrial Maintenance and Safety Engineer

#### • Careers as a teacher-researcher

- Joining a research laboratory to prepare a PHD.
- Entering the teaching profession by competitive examination for the "agrégation" in Electrical Engineering

### OBJECTIVES OF THE PROGRAM

- Offer depth scientific and technical knowledge in the field of Electrical Engineering and Industrial IT,
- Acquire the skills needed to meet the challenges of digital and technological change in the industry of the future,
- Provide the skills and methodologies needed to carry out research and development work in a research laboratory or in a socio-professional environment,
- Develop entrepreneurial, social and professional skills.

### SKILLS ACQUIRED ON COMPLETION OF THE PROGRAM

- Design and carry out feasibility studies for electrical or electronic installations or equipments.
- Define and size an electrical installation in the industrial or tertiary sector
- Propose technical and innovative solutions to improve equipment using electrical energy,
- Analyse a multidisciplinary problem in a wide field of applied sciences: electrical engineering, electronics, electrical energy, automation and industrial computing,
- Choose, set up and use digital measurement systems and associated IT tools,
- Implement automation tools and overall supervision of an industrial system,
- Lead research, development and design office teams,
- Respect the principles of ethics, professional conduct and environmental responsibility.

### ACCESS CONDITIONS:

Diplomas required Fundamental, professional or scientific and technical bachelor degree in:

- Electrical engineering,
- Electronics
- Industrial computing
- Automation, command and control
- Diploma recognised as equivalent with the necessary prerequisites