

Introduction to Integrated Photonic and Electronic Systems (Induction module)

Fundamentals. 1 choice out of:

- Nanotechnology
 - Biosensors
- Advanced Photonic Systems

Systems. 1 choice out of:

- Solar Electronic Power
 - Photonic Systems
 - Photonic Sub-Systems
- Broadband Technology and Components

Electives. 2 choices out of:

- Solid State devices
- Computer vision
- Non-linear systems
 - Signal detection
- Digital filters and spectrum estimation
- Materials and processes for microsystems
 - Building an internet router
 - Image processing
 - Displays
- Software for Network Services and Design
 - Optical Transmission Networks
 - Nanotechnology in Healthcare
 - RF Technology
- Physics and Optics of Nanostructures
 - Broadband Lab
- Robust and Nonlinear Systems and Control
- Analogue CMOS IC Design and Applications

Business and Generic Skills. 1 choice out of

- Management of Technology
 - Strategic Management
- Telecommunication Business Environment
 - AND
- Generic Skills Module