



1 Master in Sciences of Engineering in Microelectronics

Justification

Microelectronics is one of the most dynamic fields in engineering. The countless and important progresses of its application have benefited and driven development in various sectors and it places it as one of the key elements in technology creation.

Microelectronics modernizes production and services; improves constantly production growth and is present in modern society applications. It is associated to numerous activities, products and companies

Objective

To form high level engineers and researchers capable of proposing creative solutions to problems that arise in the microelectronic field, in every application, in order to solve problems of selection, evaluation and actualization of technologies within the private and public service provider sectors.

Aimed at

Students with an undergraduate level in electronics, telecommunications, computer science and other related areas.

Subjects

Consult the list of subjects for this master's program at:

<http://www.posgrados.esimecu.ipn.mx/>

Research fields:

Microelectronic systems
Nanoelectronic systems
Control systems
Digital processing of the information.

Admission Criteria

To be admitted as a student, in accordance to the Internal Graduate Code of the Instituto Politecnico Nacional, the applicant must:
Have a Completion Certificate of Undergraduate Education;
To pass the admission process that is mentioned in the official announcement;
To pass the English language exam through examinations recognized internationally.



Academic Unit

Escuela Superior de Ingeniería Mecánica y Eléctrica (ESIME), Unidad Culhuacán, México, D.F.

Collaboration with other Institutions

University of Electro Communications (UEC), Japan; Kharkiv Aviation Institute (KhAI), Ukraine; Russian Academy of Sciences, Russia; Manchester University, U.K. and the Institute Polytechnic de Grenoble, Fr.

Relevant Aspects

This graduate program has the quality recognition of the National Council of Science and Technology CONACyT (and the students can apply for a scholar ship with the CONACyT); its academic group is subscribed to the National Researchers System SNI.

Information

<http://www.ipn.mx/>

<http://www.posgrados.esimecu.ipn.mx/>

Telephone

+52 (55) 56 56 20 58

+52 (55) 56 24 20 00 Ext. 73209

Contact

mcmi_esimec@ipn.mx

Av. Santa Ana No. 1000, Colonia San Francisco Culhuacán, Del. Coyoacán, C.P. 04430, México, D.F.