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Master title: Software Engineering

a) **Faculty of Engineering in Foreign Languages**

b) **Short description and main objectives:**

Some of the most difficult and challenging problems in industry and commerce are associated with software development. Software has become an increasingly important element of many products that are developed today. There has been a shift in costs from hardware development to software solutions development. This increases the need to be able to develop software products with accurate functionality, of high quality, on time and on budget.

Software Engineering, as a technological branch of Computing Science, establishes principles and engineering methods to be used in order to produce such software products. It is traditionally designed to bridge industry and research needs. This is why Software Engineering is in a privileged position on the job market.

The Master of Science Program on Software Engineering (MSE) at the Faculty of Engineering Taught in Foreign Language of the Politehnica University introduces a postgraduate degree to meet these challenges by educating software developers in advanced software engineering concepts that cover the entire development chain, from inception to delivery, from the business management perspective to technical management and development perspectives. MSE aims to produce software engineering industry leaders and key agents of change to improve practices in the field, as it evolves. The program is project and research oriented. This means that students have a large choice of projects and research themes to develop.

c) **Other information** (double degree, incoming Erasmus students, partnership to industry/companies, possibility to develop master thesis related to industry, etc)

There are numerous Erasmus exchanges at the level of the Master, possibility to develop master thesis together with industry companies.

d) **Website: http://ing.pub.ro/en/masterat-in-ingineria-programelor/**

e) **Contact person:** prof. Nicolae GOGA, n.goga@rug.nl