

Differences and similarities of diploma theses: engineer vs master

Aspect	Engineering thesis	Master thesis
Number of authors	Group work, however, when justified work can be individual	Individual work, when justified it is possible to work in a group
Thesis profile	Project-based – practical approach	Research-based – scientific approach
Object of the thesis	It can be a company, a workstation – object the thesis should enable (by providing data and supporting students) development of a dedicated problem solution	Many companies, workstations, employees or a case study on a selected organizational system or sub-system – object of the thesis should enable formulating generalized conclusion
Goal of the thesis	Practical goal, its achievement requires implementing engineering approach, goal designed with SMART logic	Research oriented goal, clearly stated, can be decomposed into partial/sub-goals
Methodology	Implementing methods/ techniques and tools corresponding to the problem to be solved (both engineering and managerial). Methodology should be described, justification of composition of methods/ techniques and tools is compulsory	Implementing research methods (including literature review) enabling goal achievement. Methodology should be described, justification of selection of research methods is compulsory.
Structure of the thesis (general – more details in regulations and template)	<p>Introduction: presentation of the goal and scope of work, presentation of the structure of the thesis</p> <p>Literature review: introduction of crucial terms connected with the thesis subject, based on literature review</p> <p>Problem definition and methodology presentation: Describing problem and scope of work, detailed description (with justification) of methods/techniques/ tools selected for goal realization</p> <p>Research and results discussion</p> <p>Solution description, conclusions</p> <p>References, list of attachments</p>	<p>Introduction: presentation of the goal and scope of work, presentation of the structure of the thesis</p> <p>Literature review: critical literature review</p> <p>Problem definition and methodology presentation: original description of research problem, detailed research methodology description (with justification)</p> <p>Research and results discussion</p> <p>Summary and conclusions</p> <p>References, list of attachments</p>
Literature	Literature on the subject (books, scientific journals, standards) – about 20 references	Broad literature on the subject, including foreign sources, reliable and various, most of them not older 10 years. Minimum number of references is 30, including some by the thesis promoter.
Than Size	Min. 120 thous. characters	Min. 120 thous. characters