

Certificate on Standards for Material Testing, Characterization and Applications

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# Certificate on Standards for Material Testing, Characterization and Applications

## Significant Work on Standards/Codes Form

A MS Thesis/Project will be considered as "having a significant amount of Standards/Codes-related content" when the project and documentation includes significant design or characterization of one or more systems, components, or experimental processes using Standards/Codes.

A proposal (which can be the same one required by the instructor/ advisor/Grad Studies) must be approved by the instructor or advisor, and one of the supervisors of this program (Hossain, Bailey or Peel). The final report/thesis must be approved by the same two individuals. The proposal should include what Standards or Codes are likely to be used, and how they are integral to and would advance their project. If there are no relevant Standards or Codes, state the process for developing new Standards or Codes and how the project will help develop some possible Standards and Codes, and to which organization they will be submitted to. The proposal must be submitted by the undergrad or Graduate Student's respective Graduation Application Deadline to either Hossain, Bailey, or Peel.

Examples of Standards or Codes that might be used are: ASCE Building Codes, ASTM testing Standards, ISO standards, ASME Boiler or Pressure Vessel Codes. Examples where Standards or Codes might not exist, but could be proposed include: Building Codes for 3D Printed concrete houses, or Test Standards for multi-material polymer-based 3D Printed components.

The final report/thesis must be approved by the same two individuals as the proposal, and should discuss in depth what Standards/Codes were used, how they were used, and how those were different than given specifications from a customer/instructor/advisor/funder, etc. If new Standards or Codes were proposed, they should be discussed in detail and also how they were submitted to the appropriate organization and the feedback that was given. The deadline for the report is one day after the respective thesis or project deadline. (2011-06.012 TTTw/STW.104T-v)