Certificate on Standards for Material Testing, Characterization and Applications

Graduate Student Application Form

Name:	**K#:**
Major:	**Expected Graduation Date:**
Email:	

Requirements to earn the Certificate:

1. Attend 6 seminars, offered through the certificate program, on standards and standardization methods for material testing and characterization, and their appropriate usage in standard engineering design.

a. Seminar 1 - Date Attended:	**b. Seminar 2 - Date Attended:**
c. Seminar 3 - Date Attended:	**d. Seminar 4 - Date Attended:**
e. Seminar 5 - Date Attended:	**f. Seminar 6 - Date Attended:**

2. Complete 9 credits (3 courses) from the following list of courses with a grade of "B" or better in each (MEEN 5301 – Advanced Manufacturing; MEEN 5303 - Advanced Manufacturing of Composites; MEEN 5306 – Thesis (maximum 3 Credits can be counted towards the certificate); MEEN 5331 - Advanced Materials Science; MEEN 5333 – Polymer Science; CEEN 5306 - Thesis (maximum 3 Credits can be counted towards the certificate); CEEN 5311 - Advanced Reinforced Concrete Design; CEEN 5316 - Engineering Mechanics of Fiber Composites; CEEN 5361 - Advanced Structural Steel Design).

   Enter grade and semester for courses taken from the above listing:

Course	Semester	Grade	Course	Semester	Grade
MEEN 5301			**CEEN 5306**		
MEEN 5303			**CEEN 5311**		
MEEN 5306			**CEEN 5316**		
MEEN 5331			**CEEN 5361**		
MEEN 5333					

3. MS Thesis that has significant components on standards (verified by the thesis supervisor and certificate program supervisor, see 2nd page)

   Thesis/Project Proposal Title:_____

   Thesis Supervisor's Name: _____

_____ **_____**

Student Signature **Date**

See thesis/project "Significant Work" proposal form on next page:

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Significant Work on Standards/Codes Form

A MS Thesis/MS 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. Or if there are no relevant Standards or Codes, state the process for developing new Standards or Codes and show 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 of 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, and should be sent to the same two people that approved the proposal.

☐ Thesis/Project Proposal approval Date _____

Advisor/Supervisor Signature _____

Program Supervisor Signature _____

Final Thesis/Project Title _____

☐ Final Thesis/Project approval Date _____

Advisor/Supervisor Signature _____

Program Supervisor Signature _____

Please email completed forms to Dr. Mohammad Hossain (Mohammad.Hossain@tamuk.edu)