

Specialist Certificate Program

Certificate Requirements

Educational Training

Successful completion of one of TTI's continuing education programs which consists of participating in seven TTI courses over approximately 150 hours of classroom instruction.

Thesis

Preparation, submission and acceptance by TTI of a Thesis. The Thesis shall be on a practical activity directly related to the subject area studied and personally accomplished by the applicant.

Practical Experience

Applicant shall have obtained at least forty eight months of "hands on" practical experience in the selected engineering field or related area. A description of the practical experience shall be submitted to TTI for review.

Application for award of Specialist Certificate

The applicant shall submit to TTI the following documentation:

1. Description of practical experience
2. Copy of applicant's résumé
3. Listing of TTI courses with dates, successfully completed.
4. Thesis
5. Letter from representative of applicant's employer confirming practical experience.

Thesis Preparation Guidelines

EES candidates only: Read the information provided in the MIL-STD-810F *Environmental Management and Engineering Tasks*. This document will provide some background information to assist in preparing your thesis.

All certificate programs: the format of the actual report should be as follows:

- Title Page:*** Thesis title
Your name
Date submitted to TTI
- Subject:*** Describe the subject of the Thesis.
- Object:*** Outline the object of the Thesis.
- Date:*** Provide the date and location when the practical activity described in the thesis occurred.
- Procedure:*** The Thesis should contain the following:
Brief description of what activity you performed
Description of what you hoped to achieve in the referenced activity
When and where the activity took place
In-depth description of the various activities undertaken. Reference the various pieces of equipment used, and the procedures, specifications and standards covering the activity.
- Equipment:*** List the equipment used. Include spec. sheets and photographs of the equipment used.
- Specifications/ Standards /Procedures:***
Describe what criteria were used and list the documents. Copies of these items should be attached to the appendix of the Thesis.
- Results:*** Tabulate your results.
- Theory:*** Describe the technical theory that was involved in the Thesis.
- Conclusion:*** Describe the conclusions you reached after completing the activity. Include copies of data, graphs, photos etc.
Refer to the theory behind the activity, and reference the specific TTI course material you have obtained from the various courses.
Describe how you interpreted the results, and state your opinion of the test procedures and specifications followed and of the equipment used.