Learned capabilities the students are expected to know and be able to do following graduation:

1. an ability to apply the knowledge, techniques, skills, and modern tools of MFT to narrowly defined engineering technology activities.

2. an ability to apply a knowledge of mathematics, science, engineering, and technology to MFT problems that require application of principles but extensive practical knowledge.

3. an ability to conduct standard tests and measurements, and to conduct, analyze, and interpret experiments.

4. an ability to function effectively as a member of an engineering team.

5. an ability to identify, analyze, and solve narrowly defined MFT problems.

6. an ability to apply written, oral, and graphical communication in both technical and nontechnical environments; and an ability to identify and use appropriate technical literature.

7. an understanding of the need for and an ability to engage in self-directed continuing professional development.

8. an understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity.

9. a commitment to quality, timeliness, and continuous improvement.