RMET PROGRAM STUDENT LEARNING OUTCOMES

Student Learning Outcomes (SLO) are narrower statements that describe what students are expected to know and be able to do by the time of graduation from the program. These relate to the skills, knowledge, and behaviors that students acquire in their matriculation through the program.

1. An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities.

2. An ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies.

3. An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes.

4. An ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives.

5. An ability to function effectively as a member or leader on a technical team.

6. An ability to identify, analyze and solve technical problems.

7. An ability to apply written, oral, and graphical communication using current techniques and standards in both technical and nontechnical environments; and an ability to identify and use appropriate technical literature.

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

9. An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.

10. A knowledge of the impact of engineering technology solutions in a societal and global context

11. A commitment to quality, timeliness, and continuous improvement.

12. An ability to apply concepts of automatic control, including measurement, feedback and feedforward regulation for the operation of continuous and discrete systems.

13. An ability to select sensors and design and implement automation systems utilizing analog and/or digital control devices and microprocessor systems.