

ABET Student Outcome		RCET Students Outcome	
1	an ability to apply the knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve well defined problems appropriate to the discipline	I II III IV X	Ability to solve problems in mathematics through Calculus I, and physics 1100 Ability to calculate and predict the outcome of a binary, octal, or hexadecimal mathematical function Appropriate mastery of knowledge, techniques, skills, and modern tools necessary for basic electronic project development, and component level repair Ability to analyze and troubleshoot electronic circuitry from schematics, technical circuit descriptions, block diagrams, and test point waveforms Effectively and safely connect and operate electronic test equipment utilizing the manufactures operation manual and technical application notes
2	an ability to design solutions for well-defined technical problems and assist with the engineering design of systems components or processes appropriate to the discipline	IX XI	Ability to accurately create schematics, connection diagrams, block diagrams, and timing diagrams for a given circuit or system Ability to work within given safety guidelines, project specifications, and within a given budget
3	an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature	VI VII X	Effectively communicate with and demonstrate projects to individuals varied electronics experience and backgrounds, support personnel, and industry representatives Ability to record and explain data, and convey ideas through written and electronic media Effectively and safely connect and operate electronic test equipment utilizing the manufactures operation manual and technical application notes
4	an ability to conduct standard tests, and measurements, and experiments and to analyze, and interpret the results	III	Appropriate mastery of knowledge, techniques, skills, and modern tools necessary for basic electronic project development, and component level repair
5	an ability to function effectively as a member of a technical team	V	Ability to work in teams as a member or leader to cooperatively solve problems

STUDENT OUTCOMES VS ABET LEARNED CAPABILITIES