Digital Electronics

<u>½ Credit</u>   <u>Semester</u>   <u>10, 11,12</u>

Digital Electronics is for the student interested in electrical engineering, science, or electronics in general. This course further studies amperage, voltage and current and allows the student to apply this knowledge in the design of series and parallel circuits. Bread-boarding and computer design software (MultiSim) will be used to test circuit designs. Students will also study gates, encoders and decoders, binary addition, memory and digital-to-analog converting. All things learned in this course will be applied to the creation of a custom video game and controller submitted as their final project.

Prerequisite: Basic Electricity or Instructor Approval