

# Physics 40S

Credit Value: 1.0

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Pre-requisite: Physics 30S (Recommended: Pre-Calculus Mathematics or Applied Mathematics 40S)

Course Description:

Physics is a study of the relationships in the world we perceive around us. It is the science of matter and energy and their interactions. This can include items as small as nanometer-sized particles, to large galaxies. The students will relate scientific concepts to everyday life.

Major Units include:

1. Mechanics (comprehensive study of motion and the forces involved)
2. Fields (Gravitational, Electric, and Magnetic fields continued from Physics 30s)
3. Electricity (Electric Circuits & Electromagnetic Induction)
4. Medical Physics (application of Physics in medicine)