PHYSICS (PH)

PH-231 Algebra-Based Physics I (3 credits)
The student is introduced to the principles of classical mechanics. They learn to apply these principles, in conjunction with their knowledge of algebra and trigonometry, to solve practical and idealized problems dealing with the behavior of material objects. The development of problem solving and analytical skills is stressed throughout this course.
Prerequisite(s): MT-123 & 124 or MP-2 or higher, PH-231L

PH-231L Physics Lab (1 credit)
This lab is taken concurrent with PH-231 class.
Prerequisite(s): PH-231

PH-232 Algebra-Based Physics 2 (3 credits)
The student is introduced to the principles of electromagnetic fields, circuit analysis, optics and light and color. They learn to apply these principles, in conjunction with their knowledge of algebra and trigonometry, to solve practical and idealized problems concerning these principles. As with PH-231, the development of problem solving and analytical skills is stressed throughout this course.
Prerequisite(s): PH-231, PH-232L

PH-232L Physics 2 Lab (1 credit)
Prerequisite(s): PH-232

PH-241 Calculus-Based Physics 1 (3 credits)
The student is introduced to the principles of classical mechanics. They learn to apply these principles, in conjunction with her knowledge of algebra, trigonometry and calculus, to solve practical and idealized problems dealing with the behavior of material objects. The development of problem solving and analytical skills is stressed throughout this course.
Prerequisite(s): MT-152, PH-241L

PH-241L Physics Lab (1 credit)
Prerequisite(s): PH-241

PH-242 Calculus-Based Physics 2 (3 credits)
The student is introduced to the principles of electromagnetic fields, circuit analysis, optics and light and color. They learn to apply these principles, in conjunction with their knowledge of algebra, trigonometry and calculus, to solve practical and idealized problems concerning these principles. As with PH-241, the development of problem solving and analytical skills is stressed throughout this course.
Prerequisite(s): PH-241 and MT-152, MT-253, PH-242L

PH-242L Calculus-Based Physics 2 (1 credit)
Prerequisite(s): Must take concurrently with PH-242. Student will need to attend for one hour.