PHYSICS (PHY)

PHY 111. College Physics I (MOTR PHYS 150L). 4 Credit Hours.
This course is the first semester of a two-semester non-calculus physics sequence. The entire sequence covers topics in mechanics, heat, sound, electricity, magnetism, optics and modern physics. Additional lab hours required.
Prerequisites: MTH 144 or prior or concurrent enrollment in MTH 160, MTH 160A, MTH 160B or MTH 160C and Reading Proficiency.

PHY 112. College Physics II. 4 Credit Hours.
This course is the second semester of a two-semester non-calculus physics sequence. The entire sequence covers topics in mechanics, heat, sound, electricity, magnetism, optics and modern physics. Additional lab hours required.
Prerequisites: PHY 111 and Reading Proficiency.

PHY 122. Engineering Physics I (MOTR PHYS 200L). 5 Credit Hours.
Engineering Physics I covers topics in units, vectors, motion in one dimension and two dimensions, Newton’s Laws of Motion, forces, work, kinetic energy, potential energy, momentum, collisions, rotational motion, fluid, gravitation, temperature, and heat. The course is the first semester of a two-semester calculus-level physics sequence.
Prerequisites: MTH 210 with a minimum grade of C and Reading Proficiency.

PHY 223. Engineering Physics II. 5 Credit Hours.
This course is the second semester of a two-semester calculus-level physics sequence. The entire sequence covers topics in mechanics, heat and thermodynamics, optics, electricity and magnetism, with electricity, magnetism, and optics being among the topics included in the second semester. Additional lab hours required.
Prerequisites: PHY 122 and MTH 220 both with a minimum grade of C and Reading Proficiency.