

APPLIED PHYSICAL SCI (SCIT)

SCIT 1318 Applied Physics 3 Credits (2 Lec, 2 Lab)

This course is an Introduction to physics for industrial applications including vectors, motion, mechanics, simple machines, matter, heat, and thermodynamics.

Prerequisite(s): TECM 1301 or higher, and Reading level 7, Writing level 7, Math level 6

Course Type: Technical

SCIT 1370 Introduction to Analytical Chemistry 3 Credits (3 Lec, 0 Lab)

The course topics address recently identified current events, skills, knowledge, and /or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. NOTE: This course may be taken a maximum of 4 times for credit, including the first time. The course was designed to be repeated to improve student proficiency.

Prerequisite(s): MLAB 1201

Course Type: Technical

SCIT 1414 Applied General Chemistry I 4 Credits (3 Lec, 3 Lab)

This course offers applications of general chemistry emphasizing industry-related laboratory skills and competencies including laboratory safety and report writing. It addresses supporting chemical theories including atomic and molecular structure, nomenclature, chemical reactivity, gas laws, acids and bases, and solutions, and an overview of organic chemistry.

Prerequisite(s): MATH 1333 or MATH 1314 or higher, Reading level 7, Writing level 7, Math level 6

Course Type: Technical

SCIT 1418 Applied Physics 4 Credits (3 Lec, 3 Lab)

This is an introduction to physics for industrial applications including vectors, motion, mechanics, simple machines, matter, heat, and thermodynamics.

Prerequisite(s): TECM 1301 or higher, Reading level 7, Writing level 7, Math level 6

Course Type: Technical

SCIT 1420 Physics for Allied Health 4 Credits (3 Lec, 3 Lab)

This is an introduction to physics with emphasis on applications to health-related fields of study. Topics include forces, motion, work and energy, fluids, heat, electricity and magnetism, wave motion, sound, electromagnetic radiation, and nuclear radiation.

Prerequisite(s): Acceptance into the Diagnostic Medical Sonography Program

Course Type: Technical