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## Physical Science

All 5 Credit Hour Physical Science courses include a Lab.

PHSC 101 (0901) Physical Geology KRSN PSI1030

Prerequisite: None

Credit Hours: 5

Physical Geology studies planet Earth and its physical, chemical and biological attributes. Emphasis will be on the mid-continent geographic region and Kansas in particular. Locally minerals, rocks and hydrological systems will be investigated.

PHSC 103 (1910) Introduction to Astronomy KRSN PHY1020\*\*

Prerequisite: None

Credit Hours: 5

A study via instruction and laboratory experiences of the historical developments in astronomy from ancient times; the theoretical and empirical foundations of astronomy; the composition and mechanics of the solar system, stellar systems, and galactic systems; and introduction to observational astronomy and cosmology.

PHSC 105 (1911) Physical Science KRSN PSI1010\*\*

Prerequisite: None

Credit Hours: 5

A survey course that emphasizes physics, chemistry, earth science, and astronomy. Designed for the student whose concentration is not in a science or engineering field, but who needs to fulfill a laboratory science requirement.

## Physics or Engineering

All 5 Credit Hour Physics courses include a Lab.

PHYS 201 (1931) College Physics I KRSN PHY1010\*\*

Prerequisite: MATH 115 College Algebra (C or better)

Credit Hours: 5

Physics I is the study of translational and rotational motion, force, work, mechanical and thermal energy, linear and angular momentum, and fluid mechanics using the tools of algebra and trigonometry.

PHYS 203 (0901) Engineering Physics I KRSN PHY1030\*\*

Prerequisite: Concurrent enrollment in or completion of MATH 130 Calculus I

Credit Hours: 5

Physics I is the study of translational and rotational motion, force, work, mechanical and thermal energy, linear and angular momentum, and fluid mechanics using the tools of algebra, trigonometry, and calculus.

PHYS 205 (1932) College Physics II KRSN PHY2020\*\*

Prerequisite: MATH 125 Trigonometry and PHYS 201 College Physics I

Credit Hours: 5

Physics II is the continuation of Physics 201 using the tools of algebra and trigonometry. Topics covered in this course will include electricity and magnetism, waves, optics, and an introduction to modern physics.

PHYS 208 (0902) Engineering Physics II KRSN PHY2030\*\*

Prerequisite: Concurrent enrollment in or completion of MATH 131 Calculus II.

Credit Hours: 5

Physics 208 is the continuation of Physics 203 using the tools of algebra, trigonometry, and calculus. Topics covered in this course will include electricity and magnetism, waves, optics, and an introduction to modern physics.

\*Refer to the Placement Testing Procedure 3.22, page 22 \*\*Refer to Course Transfer, page 17