

This course is a three (3) week full-time clinical affiliation at an approved health care facility. Students will be placed in an environment to facilitate didactic and clinical skills and further develop skills in physical therapy care/treatment. Supervision during the clinical experience will be performed by the clinical instructor assigned to the student by the health care facility.

PTA 201 Pathology for the PTA

Prerequisite: Admission to PTA Program

Credit Hours: 3

This course is designed to familiarize the student with common pathologies seen in the realm of physical therapy. Emphasis will be not only on the illness and disease process but the associated disability. Implications and precautions as they relate to rehabilitation will be emphasized.

PTA 202 PTA Musculoskeletal

Prerequisite: Admission to PTA Program

Credit Hours: 5

This course is designed to train the student to provide physical therapy, under the direction of a physical therapist, to clients with a variety of musculoskeletal disorders. Emphasis is on critical thinking and the PTA's role in the data collection of patients with orthopedic conditions. Evidence based practice will be emphasized and cultural competence will be introduced.

PTA 203 Neuromuscular Rehabilitation

Prerequisite: Admission to PTA Program

Credit Hours: 5

This course is designed to introduce various neurological diseases as well as the treatments used by physical therapy professionals. Emphasis will be on assessments and treatment appropriate for the physical therapist assistant. Theoretical foundations, management, functional problems and movement disorders are covered.

PTA 204 Clinical Education II

Prerequisite: Admission to PTA Program

Credit Hours: 3

This course is a four (4) week full-time clinical affiliation at an approved healthcare facility. Students will be placed in an environment to facilitate didactic and clinical skills and further develop skills in physical therapy care/treatment. Supervision during the clinical experience will be performed by the clinical instructor assigned to the student by the healthcare facility.

PTA 205 Clinical Education III

Prerequisite: Admission to PTA Program

Credit Hours: 7

This course is an eight week full-time clinical affiliation at an approved healthcare facility. Students will be placed in an environment to facilitate didactic and clinical skills and further develop skills in physical therapy care/treatment. Supervision during the clinical experience will be performed by the clinical instructor assigned to the student by the healthcare facility.

## Physics or Engineering

All 5 Credit Hour Physics courses include a Lab.

PHYS 201 (1931) College Physics I KRSN PHY1010/1011/1012\*\*

Prerequisite: Concurrent enrollment in or completion of MATH 125 Trigonometry

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 PHY1030/1031/1032\*\*

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

Credit Hours: 5

\*Refer to the Placement Testing Procedure 3.22, page 23 \*\* Refer to Course Transfer, page 17

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 PHY2020/2021/2022\*\*

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 PHY2030/2031/2032\*\*

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.

## Political Science

POLS 103 (2271) State and Local Government

Prerequisite: None

Credit Hours: 3

State and Local Government is designed to introduce students to our federal system of government, and it specifically instructs students in the Constitutional basis for State and Local Governments as well as their structure and mechanics. The course emphasizes basic questions about the forces that produce order, conflict, and change in government. State and Local Government is recommended for political science majors, pre-law students, criminal justice students and all students who want an understanding of the processes, functions and institutions of our system of government below the National Government level.

POLS 105 (2270) American Government KRSN POL1020\*\*

Prerequisite: None

Credit Hours: 3

A general, systematic study of the development and structure of the American national government, with emphasis on the actual workings. Serves as a foundation for other political science courses.

## Psychology

PSYC 101 (2010) General Psychology KRSN PSY1010\*\*

Prerequisite: None

Credit Hours: 3

This course surveys the field of human psychology. It is the first course offered in psychology and, as such, it introduces the student to the fundamental methods and points of view in the scientific study of human behavior.

PSYC 201 (2090) Developmental Psychology KRSN PSY2020\*\*

Prerequisite: PSYC 101 General Psychology or instructor's permission

Credit Hours: 3

The subject matter of Developmental Psychology is the human life cycle, the prenatal and newborn periods, infancy, childhood (early and late), adolescence, and adulthood. This branch of psychology explores the ways in which human physical growth and intellectual and social behavior change over time.

PSYC 202 (2091) Psychology of Adjustment

Prerequisite: PSYC 101 General Psychology

Credit Hours: 3

\*Refer to the Placement Testing Procedure 3.22, page 23 \*\* Refer to Course Transfer, page 17