

**HEAL 163 Preparation Course for Pharmacy Technician Certification Exam**

Prerequisite: Compass Reading score of at least 75, Compass Math score of at least 34

Credit Hours: 3

This introductory course prepares the student to take the national Pharmacy Technician Certification Board (PTCB) examination. It includes both online instruction and a clinical observation (30 hours total) with opportunities to observe a compounding pharmacist and in an independent retail pharmacy, a long-term care facility and a hospital pharmacy. This course is designed to prepare the student to sit for the certification exam, and as an observational introduction to pharmacy operations. It is not intended to be a comprehensive career readiness course.

## History

**HIST 101 (2251) American History To 1877 KRSN HIS1010\*\***

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

A survey of the social, political, cultural, diplomatic, and economic development of North America, the British colonies, and the United States from before the arrival of Europeans to 1877.

**HIST 102 (2252) American History Since 1877 KRSN HIS1020\*\***

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

A survey of the social, political, cultural, diplomatic, and economic development of the United States from 1877 to the present.

**HIST 103 (2253) World History to 1500 KRSN HIS1030\*\***

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

A survey of world history from prehistory to about 1500 C.E. The histories of the Ancient Near East, India, China, Greece, Rome, Ancient America, the Muslim world, and Medieval Europe will be compared through their politics, religions, philosophies, societies, economics, and cultures.

**HIST 104 (2254) World History Since 1500 KRSN HIS1040\*\***

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

A survey of world history from 1500 C.E. to the present, with emphasis on the causes and effects of the hegemony of Western Civilization, the emergence of globalization, and the historical roots of today's global issues.

**HIST 108 (2210) Current World Affairs**

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

This course is an in-depth study of current events, trends and developments that affect daily life. In this course, we explore broad forces at play in the world: international economics, national interests, military power, nationalism, ethnicity, the environment and human rights. We will discuss world events as they unfold before our eyes and seek to understand them in light of their historical context. Students will leave this class with both a vision of the world's vast political landscape and the ability to better understand the multitude of events that comprise that landscape.

**HIST 119 (2262) Explorations in History**

Prerequisite: None

Credit Hours 1-3

These are history courses that focus on a particular historical field, time period, or topic. Previously offered courses include: European History, American Indian History, African-American History and Women's History.

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18

**HIST 201 (2260) Kansas History**

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

A political, social, cultural, and economic survey of Kansas history from before the arrival of Europeans to the present day, emphasizing how the history of Kansas fits in to the larger scope of American history.

## Industrial Technology

**INDU 123 Electronic Devices**

Prerequisite: INDU 125 Fundamentals of Electronics I w/Lab or Instructor's permission, INDU 167 Fundamentals of Electronics II w/Lab or Instructor's permission

Credit Hours: 3

This course will provide a fundamental knowledge of DC Power Supplies, Diodes, Transistors, Amplifiers and Troubleshooting. Operational Amplifiers, Oscillators, Integrated Circuits, Thyristors, Switch Mode Regulators, and AM/FM Radio Circuits

**INDU 125 Fundamentals of Electronics DC/AC**

Prerequisite: None

Credit Hours: 3

This course provides a fundamental knowledge of analysis techniques used to solve for current, voltage, wattage, and resistance in various DC/AC circuits.

**INDU 127 Digital Logic Circuits**

Prerequisite: INDU 125 Fundamentals of Electronics I-DC w/Lab or Instructor's Permission

Credit Hours: 3

This course provides knowledge in theory with building block circuits in logic systems and computers. Small scale ICs are used to learn the basic fundamentals of these systems and subsystems. Analysis techniques are taught to build the student's ability to troubleshoot. Binary mathematics and Boolean concepts are introduced and explained as needed.

**INDU 131 Engineering Graphics**

Prerequisite: None

Credit Hours: 3

This course is an introduction to the fundamental principles of graphic communication. It is also an introduction in the use of computer aided design software to produce 3-D geometry, assemblies, and dimensioned 2-d orthographic views. Traditional drawing techniques including manual drafting tools and equipment will be utilized as well. Orthographic projection, dimensioning techniques, tolerance methods, fits and allowances, and sectioning methods are covered.

**INDU 167 Fundamentals of Electronics DC/AC Lab**

Prerequisite: Enrolled in INDU 125 Fundamentals of Electronics I w/Lab

Credit Hours: 3

Provides a fundamental knowledge of analysis techniques used to solve for current, voltage, wattage, resistance, and impedance in various AC Circuits.

**INDU 168 Electronic Devices Lab**

Prerequisite: INDU 125 Fundamentals of Electronics DC/AC or Instructor's permission, INDU 167 Fundamentals of Electronics DC/AC Lab or Instructor's permission, Co-enrolled in, or successful completion of INDU 123 Electronic Devices

Credit Hours: 3

The course will include DC Power Supplies, Diodes, Transistors, Amplifiers, Troubleshooting, Operational Amplifiers, Oscillators, Integrated Circuits, Thyristors, Switch Mode Regulators, and AM/FM Radio Circuits.

**INDU 169 Digital Logic Circuits Lab**

Prerequisite: INDU 125 Fundamentals of Electronics I-DC w/Lab or Instructor's Permission, INDU 167 Fundamentals of Electronics DC/AC Lab or Instructor's Permission, and Co-enrolled in, or successful completion of INDU 127 Digital Logic Circuits

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18