

**HEAL 135 Principles of Phlebotomy**

Prerequisite: None

Credit Hours: 4

This is a course designed to teach phlebotomy skills for specimen collection using a vacutainer system as well as equipment for difficult draws. Participants will obtain phlebotomy skills to proficiently obtain blood specimens by venipuncture and dermal techniques. The course will consist of lecture and laboratory sessions. The course will also include preparation for a national certification exam. For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/ preparation outside of class is expected.

**HEAL 142 (5213) Emergency Medical Technician – EMT**

Prerequisite: High school diploma or GED or be a current high School senior enrolling with the consent of your school. Must be 17 years of age by the end of the course. Valid Driver's License.

Reading Placement Test Level: Accuplacer Reading Score of 75 or higher, or ACT Reading Test scoring of 17 or higher or successful completion of Pre-College Reading & Writing.

Proof of immunizations including a current Td 2 Step TB Test.

Criminal Background Check (paid by student). Complete a program orientation at LCC.

Credit Hours: 12

This course will develop student skills in recognizing symptoms of illness and injuries and proper procedures of emergency care. This course prepares the student to take the Kansas State Board of Emergency Medical Services examination for Emergency Medical Technician certification. This course is designed for individuals interested in providing medical care to patients in the prehospital setting. It will provide the participant with opportunity to gain information, skills and attitudes necessary for certification and practice as an EMT in the State of Kansas. This course is approved by the Kansas Board of Emergency Medical Services. It addresses information and techniques currently considered to be the responsibilities of the Emergency Medical Technician according to the United States Department of Transportation National Standard Curriculum and the Kansas Authorized Activities for the EMT.

**HEAL 151 (5819) Advanced Cardiac Life Support (ACLS)**

Prerequisite: None

Credit Hours: 1

This course is designed to provide the participant with the skills to respond to acute cardiovascular situations in and out of the hospital setting.

## History

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

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\*\***

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\*\***

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.

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

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

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**

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 201 (2260) Kansas History**

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.

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