

- SCIE 1100 Science, Technology, & Society** (2-0-2)  
 This is an interdisciplinary study of the role of science and technology in society and daily life. Emphasis will be placed upon current advances and political and social consequences.  
 Prerequisites: READ 0099.  
 Offered: Fall, Spring.
- SCIE 2000K Principles of Research Methodology** (1-2-2)  
 This course is designed to teach science majors the basic principles of performing a scientific research project. Each student will identify a problem, perform a literature search, design and perform an experiment, analyze data and present the results.  
 Prerequisites: BIOL 1108K, CHEM 1212K, PHYS 1112K, or consent of Division Dean.  
 Offered: On demand.
- SLEP 1100 Introduction to Polysomnography** (1-1-2)  
 A course designed to provide students with an overview of the operation of a sleep lab and the skills needed for a career in the polysomnography field. Students will observe the set up, monitoring, and evaluation of sleep studies conducted in the sleep lab.  
 Prerequisites: Exited all English Learning Support classes.  
 Corequisites: None.  
 Offered: As required.
- SLEP 1101 Polysomnography I** (3-1-4)  
 This course introduces the principles and practices of polysomnography. Topics covered in the course include: The history of sleep medicine and the development of current sleep study techniques, conducting a patient sleep history, physiological aspects of sleep, identification of sleep stages, identification and diagnosis of sleep disorders, patient preparation, equipment setup and calibration, recording and monitoring techniques, documentation, and professional issues pertaining to the field of polysomnography. The lab portion of the course will provide students hands on practice in the skills required in the sleep lab.  
 Corequisite: None.  
 Prerequisite: MATH 1001 or higher math, BIOL 1100K, and acceptance into the program.  
 Offered: On demand.
- SLEP 1102 Cardiopulmonary Anatomy & Phy. for Polysomnography** (3-0-3)  
 A course designed to develop knowledge of normal cardiopulmonary anatomy and physiology and the pathophysiology needed by personnel employed in a sleep lab. Topics covered include: breathing, respiration, gas exchange, oxygen uptake and delivery mechanisms. Anatomy of the cardiovascular system including the blood, blood vessels, and heart. The application and interpretation of basic ECG's and the recognition of arrhythmias. Physiology of the cardiovascular system including cardiac contraction, the concepts of preload, afterload, and contractility. Corequisites: None.  
 Prerequisites: Admission to the program.  
 Offered: On demand.