

# NEUROSURGERY

Contact the Neurosurgery CST Coordinator (<https://catalog.unmc.edu/medicine/curriculum/phase3/career-specialty-tracks/>) with scheduling questions unless a course administrator is specified for a course in the course description.

## **NSURG 736 PEDIATRIC NEUROSURGERY 4 Credit Hours** ELECTIVE

This elective is designed for the student planning a career in neurosurgery, pediatrics, neurology (adult or pediatric) or neuropathology. Students with specific areas of interest, such as neonatal intraventricular hemorrhage, hydrocephalus, surgical workup and management of epilepsy, brain and spine neoplasia, neurotrauma or neuroembryology, are especially encouraged to apply for this elective. Although there is more than ample time devoted to neuroradiology and neuropathology conferences, the principle thrust of this elective is to coherently integrate the student into the practice and theory of pediatric neurosurgery. Broad clinical exposure including patient clinics, operative experience, etc. is afforded to the student along with in-depth literature analysis. Rotations Offered: Each 4 weeks. Site: Children's Hospital under the supervision of Dr. Arnett Klugh and Dr. Afshin Salehi.  
Typically Offered: FALL/SPR  
Capacity: 1

## **NSURG 738 NEUROSURGERY 4 Credit Hours** SUB-INTERN

The Department of Neurological Surgery at UNMC offers a clinical clerkship to allow students interested in neurological surgery an opportunity to work with the faculty and residents in all aspects of the neurosurgery service. The goals of these interactions are to increase the medical knowledge of the students in the area of neuroscience, to gain early exposure of high-quality prospective applicants to the field of neurosurgery. The student can become an integral part of the care of our patients as they interact with the faculty and residents. Activities include conferences, case presentation, ICU and ward rounds, observing and assisting in the OR, taking call and outpatient clinics. Medical students will be involved in all aspects of the care of our elective neurosurgery practice, but also will be exposed to our emergent trauma and stroke population. Students can also be introduced to our advanced skull base lab. The medical students' expectations on the rotation will be refined by the chief residents under the direction of faculty neurosurgeons. In general terms, students are expected to round on the patients and present their findings to the team. They are expected to observe and, where appropriate, take part in neurosurgical procedures. Students are encouraged to take call. They are required to attend weekly conferences and encouraged to pick a topic that interests them and give a 15-20-minute topic presentation. Rotations Offered: Each 4 weeks. Site: Clarkson Doctor's Building South Tower, 8th Floor, Room 81117.  
Typically Offered: FALL/SPR  
Capacity: Variable

## **NSURG 740 PRECEPTORIAL NEUROSURGERY 4 Credit Hours** ELECTIVE

Members of the clinical faculty of the Division of Neurosurgery offer preceptorial elective clerkships for students. Four services are available, one each with: Drs. George Greene, John Hain and Ric Jensen, Omaha; Drs. Steve Doran, Keith Lodhia, Douglas Long, Mark Puccioni, Wendy Spangler, John Treves, Bradley Bowdino and Guy Music, Omaha; Drs. Eric Pierson, Benjamin Gelber, Andrew Livingston, and Daniel Tomes, Lincoln; Drs. A. Badejo and Ramon Salumbides, Kearney. Prior arrangements must be made with the physician involved and approved after an interview with the Division of Neurosurgery. A student Evaluation of the elective will be required upon completion of the elective.  
Typically Offered: FALL/SPR

## **NSURG 760 AWAY SURGERY 4 Credit Hours** ELECTIVE

Special away electives at other medical centers can be arranged for an extraordinary learning experience not regularly available within the department. The primary concern is to identify a responsible and acceptable faculty-in-absentia who can assure an active clerkship and offer an evaluation of performance. A student evaluation of this clerkship will be required upon completion.  
Prerequisite: An approved application for an away application. Not open to visiting students.  
Typically Offered: FALL/SPR  
Capacity: Variable

## **NSURG 799 NEUROSURGERY RESEARCH 1-12 Credit Hours** ELECTIVE

This elective offers students an opportunity to work with faculty members in clinical investigations of neurosurgical diseases or participate in ongoing bench research projects. Definitions of problems and programs of learning will be decided upon discussion with faculty. Rotations Offered: Each 4 weeks. Site: Clarkson Doctor's Building South Tower, 8th Floor, Room 81117.  
Prerequisite: Not open to visiting students.  
Typically Offered: FALL/SPR  
Capacity: Variable