

Intraoperative Neurophysiologic Monitoring Advanced Technical Certificate 281-756-5644

(CIP 51.0903)

Purpose: Intraoperative Neurophysiologic Monitoring (IONM) is an allied health specialty for recording electrical activity arising from the brain, spinal cord, peripheral nerves, somatosensory, or motor nerve systems during various surgeries using a variety of techniques and instruments. The IONM technologist works with patients of all ages in the surgical setting of the hospitals.

Program/Admission Requirements:

To be considered for admission to the Intraoperative Neurophysiologic Monitoring (IONM) certificate program, the applicant must:

- a. Make application to Alvin Community College and fulfill the admission requirements.
- b. Make application to the Intraoperative Neurophysiologic Monitoring (IONM) certificate program by December 1st.
- c. Advanced Technical Certificate is considered for those who already have a degree in an area of Allied Health. Special consideration is given for applicants with a registry in Electroencephalography (EEG) or Evoked Potentials (EP) and an associate degree. Only people with direct patient care experience will be allowed into the program. Priority is given to applicants who have earned a degree in Nuerodiagnostic Technology from an accredited college or university.
- d. Submit official transcripts from where above degree was granted.
- e. Submit appropriate registry credentials from one of the disciplines in (C) above.
- f. Complete a physical examination and immunization upon acceptance.
- g. Not currently on suspension or academic probation.
- h. Possess a current CPR certification – AHA Health Care Provider.
- i. Applicants must pass a background check and drug screen as a condition of full acceptance in the Intraoperative Neurophysiologic Monitoring (IONM) certificate program.
- j. Have completed BIOL 2401 with a grade no lower than a C prior to admission.

| <i>Course Number</i> | <i>Course Title</i> | <i>Credits</i> |
|---------------------------------|---------------------------------------|----------------|
| Prerequisite | | |
| BIOL 2401 | Anatomy & Physiology I | <u>4</u> |
| | | 4 |
| First Semester (Spring) | | |
| IONM 1570 | Intro to IONM Topics | 5 |
| ENDT 1310 | Neuroanatomy Physiology | 3 |
| ENDT 2210 | Evoked Potentials | <u>2</u> |
| | | 10 |
| Second Semester (Summer) | | |
| IONM 1270 | Modalities for Spine Surgery | 2 |
| IONM 1572 | Clinical I - IONM | 5 |
| IONM 2270 | Modalities in Specialty Procedures | 2 |
| ENDT 2215 | Nerve Conduction Studies | <u>2</u> |
| | | 11 |
| Third Semester (Fall) | | |
| *IONM 2570 | Clinical II - IONM | 5 |
| ENDT 1345 | Applied Electronics & Instrumentation | 3 |
| ENDT 1350 | Electroencephalography | <u>3</u> |
| | | 11 |

Total Credits Required for Intraoperative Neurophysiologic Monitoring Certificate..... **36**

* Capstone Course