ONLINE COURSES

12-month access to all online courses from the time of purchase. ASET-CEUs awarded for successful completion. EEG courses were developed by recognized subject matter experts (SME) who are outstanding in the field of electroencephalography. University professors were also recruited in the development of these courses. With the ASET EEG national competencies serving as the foundation, SMEs and university professors collaborated on the outline of module topics, and course faculty collaborated on the design, development, and presentation of course offerings. All courses have been peer reviewed for content, content clarity, instructions, and time for completion.
*Item numbers are included for internal use only.

EEG 200 - FUNDAMENTALS OF NEUROANATOMY

Faculty: Maureen Carroll, BS, R. EEG/EP T., RPSGT, CNIM, FASET

This course is an introduction to the structures and functions of the nervous system. Course content includes basic terms related to the anatomical position, direction, body regions, and body planes. The bony structures of the skull are presented as well as specific structures and functions of the nervous system, such as the brain, brainstem, spinal cord, cranial nerves, and blood supply. An introduction to the neurological exam is also included. Topics are meant to provide basic knowledge needed to carry out EEG procedures and will create a solid foundation for advancing to more in-depth neuroanatomy courses.

Required Text: Learners will have access to a free e-book anatomy text.

Schedule: Twelve lessons, twelve quizzes, and a final exam. **Format:** Self-paced, QuickTime video and Adobe Reader.

ASET CEUs: 20 **Item No:** O-EEG200 **Member Price:** $199.00 **Non-Member Price:** $299.00

EEG 202 - ELECTRODES, ELECTRODE PLACEMENT & APPLICATION METHODS

Faculty: Maureen Carroll, BS, R. EEG/EP T., RPSGT, CNIM, FASET

This course provides information on how to accurately measure and apply electrodes according to the International 10-20 System of Electrode Placement. It introduces learners to electrode nomenclature, electrode types and their composition as well as appropriate electrode disinfection methods. Steps for electrode application are described and illustrated with consideration to skin preparation, impedances, skin safety and placement modification needs. Proven techniques to achieve secure and accurate electrode placement are presented, using collodion and paste application methods. Pointers on how to avoid common errors are addressed along with steps to achieve success with pediatric and neonatal populations. This course includes click and drag exercises to familiarize learners with electrode nomenclature, a professionally filmed video demonstration showing how to measure and apply electrodes and a newly developed 3-D model exercise for practicing these important skills.

Required Reading: Literature is provided. No additional books or materials required.

Schedule: Twelve lessons, twelve quizzes, and a final exam. **Format:** Self-paced. QuickTime video and Adobe Reader.

ASET CEUs: 20 **Item No:** O-EEG202 **Member Price:** $199.00 **Non-Member Price:** $299.00

EEG 203 - FUNDAMENTALS OF EEG & PATIENT CARE

Faculty: Maureen Carroll, BS, R. EEG/EP T., RPSGT, CNIM, FASET

This course explores the important discoveries and historical contributions that led to the development and use of EEG as an important diagnostic tool. Other topics relate to fundamental patient care for the purpose of promoting patient safety and professional competence. Professional competence is addressed using the ASET National Competency Skill Standards for Performing an Electroencephalogram. Learners are also presented with ways to establish professional rapport, maintain patient privacy standards, and use appropriate steps to identify and address the physical needs of the patient. This patient-centered focus includes understanding the Neurodiagnostic professional's role in the healthcare delivery system, as well as responsibilities relating to patient safety practices, such as infection prevention, seizure precautions, first aid, and emergency preparedness. Vital signs are discussed in order to aid the learner in identifying a patient in distress or in need of medical attention.

Required Reading: Literature is provided. No additional books or materials required.

Schedule: Nine lessons, eight quizzes and a final exam. **Format:** Self-paced. QuickTime video and Adobe Reader.

ASET CEUs: 20 **Item No:** O-EEG203 **Member Price:** $199.00 **Non-Member Price:** $299.00