

**Coursework consists of 400 hours of**

Intensive classroom study and 15 complete polygraph examinations to be submitted to the School Director within six months after school graduation. The course is designed to ensure the graduate will be a competent polygraph examiner, equipped with the knowledge necessary to conduct conclusive polygraph examinations in a professional and ethical manner. While some hours are very specific others will interlay with subjects listed below ie... question formulation hours will be included in those elective hours listed.

The primary course material is as follows:

**History and Development of Polygraph (Min. of 8 class hours)**

A complete history of the origin and development of the science behind the detection of deception; various methods and techniques of the past and present; the history of polygraph schools; scientific research done and how it became related to the profession; and famous individuals who contributed to the advance of polygraph science as we know it today.

**Mechanics of Instrumentation (Min. of 16 class hours) (4hrs of practical application)**

A comprehensive study of the instruments used in polygraph. Both analog and computerized polygraph instruments will be studied. The student will conduct an in-depth study of how each component of a polygraph instrument works and the function each component performs.

**Semantics and Test Question Formulation (Construction) (Min. of 32 class hours)**

Instructions and practical exercises concerning theory, selection, preparation, and phrasing of the various types of questions used in polygraph.

**Scientific Testing (8 hours)**

This includes conceptual training for the students to have knowledge on specificity, sensitivity, false positive and false negative errors and the statistical significance in the application of diagnostic and screening test and receive knowledge and the ability to review research articles and explain their methodological strengths and weaknesses **Polygraph**

**Techniques (Min. of 60 class hours) Techniques of understanding the use of multi-technique procedures**

A complete explanation of the nature, purpose, structure, and sequence of the various types of tests administered during polygraph examinations, including comparison question, relevant-irrelevant question, and peak-of-tension techniques.

**Police Pre-Employment Examinations (Min. of 16 class hours)**

A comprehensive study of the psychology and methodology of administering a police pre-employment examination, including the techniques used and how to construct and ask proper questions.

**Test Data Analysis (Min. of 40 class hours) (10hrs of practical application)**

Comprehensive and detailed explanation of the theory of polygraph chart interpretations: methods of comparing the graphic indices to truth and deception criteria, factors that affect polygraph responses, and steps involved in rendering an accurate opinion of truth and deception. Students will be evaluated on their capacity to analyze the charts and give a professional opinion based on their analysis.

**Pre-test (32 hours) and Post-Test Interview (8 hours)**

An intensive study of pre-test interviewing and post-test interrogation to give the examiner the skills needed for obtaining admissions or confessions from a subject.

**Ethics (Min. of 6 class hours)**

Lectures on the ethical and moral standards required of every professional polygraph examiner regarding the examiner, examinee, and other interested parties; the laws regarding confidentiality; and ethics of submitting oral and written reports.

**Polygraph Skills (Min. of 40 class hours)**

Hands-on training in the use of the polygraph instrument, with supervision and critiques by faculty members. Simulated and realistic situations will be utilized.

**Psychology (20 hours) and Physiology (20 hours) (4hrs practical exercises- Psychology)**

Lectures in general physiology; specialized instruction in the respiratory, electrodermal, cardiovascular, musculature, and nervous systems of the human body as they relate to the reactions and responses recorded by the polygraph instrument; and lectures in general psychology with emphasis on human behavior and how different personality disorders will affect the outcome of a polygraph examination. Practical exercises in identifying symptoms of personality disorders.

**Legal Issues Min. of (8 class hours)**

Instruction regarding basic legal matters pertaining to criminal and civil polygraph testing, provided by qualified guest instructors who know and understand polygraph and the legal issues involved.

**Counter Measures (8 hours)**

Students will be trained to identify and describe common types of countermeasures and be able to distinguish the difference between countermeasures and atypical physiology.

**Results reporting (2 hours)**

This instruction will consist of reporting the results for their respective examinations. While there is the common Deception Indicated, No Deception indicated, No Opinion or Inconclusive other techniques will be reported as Significant Reaction or no Significant Reaction.

**Practical Application of Polygraph exams/ Mock Polygraph (80 hours)**

Each student will conduct practice polygraph examinations on other students in the weekly laboratory hours and will have completed three practical examinations at before the end of the course. During practical examinations student will be supervised to insure that all students are able to conduct a complete polygraph examinations without difficulty or assistance from instructors.

**Education and training program elective instruction (not to exceed 74 hours)**

The instruction of different types of testing that are currently conducted in the field of polygraph to include any type of specialized polygraph testing such as;

**(a) Interviewing the adult and juvenile sex offender (16 hours).**

This instruction give students the basic knowledge of interviewing the sex offender and will be an Introduction only into the testing procedures of both the juvenile and the adult sex offender. The instruction will contain related videos of interviews conducted of several offenders. It is not the purpose of the academy to certify any new student to conduct Post Conviction Sex Offender Testing but rather offer an insight to the testing.

**(b) Arson testing (16 hours)**

This instruction will provide an overview on testing suspected arsonists by presenting case related videos, conducting question formulation exercises and suggesting the use the most appropriate techniques. The technical aspects of the arson investigation and its connection with polygraph examinations.

**(c) Peak of tension testing - Concealed Information Test. (16 hours)**

Utilizing other tools available to examiners is an essential part of all training. During this instruction the students will receive training on such tools as the peak of tension to locate evidence or effectively identify suspects as well conduct simulated testing on each other during labs.

**The final account for the above mentioned hours will include extra hours of instruction and personal supervision with every student which will be providing hands on training and evaluation (minimum 20 hrs.). This will insure that all students are able to conduct examinations without further assistance, once they returned to their place of employment and/or business.**