

# Academy for Scientific Investigative Training

1704 Locust Street, Second Floor, Philadelphia, Pennsylvania 19103  
Telephone (215) 732-3349; Fax (215) 545-1773  
[www.polygraph-training.com](http://www.polygraph-training.com)



## **BASIC POLYGRAPH COURSE CATALOG**

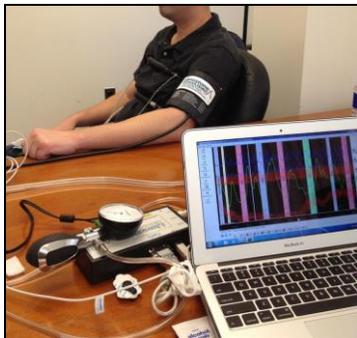
**Accredited by the American Polygraph Association since 1980**

Attending an American Polygraph Association (APA) accredited school is one criterion for full membership into the APA.

At the *Academy* we have been teaching all of the major techniques and scoring systems since 1980, including the Academy's proven:

- Forensic Assessment Interview Technique*
- Integrated Zone Comparison Technique*
- Polygraph Verification Technique*
- Horizontal Scoring System*
- Algorithm for Manual Scoring*
- Integrated Interrogation Technique*

As a Student you will receive:



- An unequalled educational experience.*
- Equivalent of two large binders of handouts.*
- The text, Forensic Psychophysiology - Using the Polygraph, by Dr. James Matte.*
- The text, Effective Interviewing and Interrogation Techniques, by Nathan J. Gordon and William L. Fleisher, Director and Assistant Director of the Academy for Scientific Investigative Training.*
- Horizontal Scoring System and Algorithm Software for Manual & Computerized Scoring.*
- The Morgan Thematic Interview Technique (MITT) text and complete set of picture cards.*
- The Academy's three tape video program on Interviewing and Interrogation.*
- Lifetime Quality Control.*

Located in historic Rittenhouse Square, Center City Philadelphia,  
the birthplace of democracy in America.

Nate Gordon, Director  
[truthdoctor@polygraph-training.com](mailto:truthdoctor@polygraph-training.com)

Accredited by the American Polygraph Association



**Nathan J. Gordon, B.A.**

Director

Nathan J. Gordon is founder and Director of the Academy for Scientific Investigative Training. He is a past President of the American Polygraph Association, and also served as President Elect, and two terms as Vice President Private. He is currently President of the Pennsylvania Polygraph Examiners' Association and previously held that position from 1987-1995.

He has Chaired the APA's Membership Committee, and has served on the Finance Committee, Continuing Education Committee, Legislative Committee, and Research Committee. He is a charter member and Board of Director of the Vidocq Society, a nonprofit organization of forensic experts, featured on CBS's "48 Hours."

Mr. Gordon began his investigative career in 1969 and since, has been actively engaged in all aspects of criminal, retail and industrial investigation. He is internationally recognized as an expert in the fields of forensic psychophysiology, behavioral assessment interviewing and interrogation. He has been used as an expert witness in cases before local, state, federal and military courts of law. He has personally conducted over 11,000 polygraph examinations, solving many hundreds of them by confession, including numerous homicides.

Mr. Gordon is coauthor of "*Effective Interviewing and Interrogation Techniques*," and has published numerous research papers and articles on forensic psychophysiology, investigation and security. He is the innovator of the Integrated Zone of Comparison Polygraph Technique, the Horizontal Scoring System and Academy's Algorithm for manual chart analysis. He wrote and produced a three-tape video program on interviewing and interrogation, and was a national lecturer for the University of Delaware's Body Movement in the Interview Process Seminar. He has appeared on 48 Hours, Good Morning America, and CNN 8. He has a certificate in Law Enforcement, an Associate's degree in Criminal Justice, and Baccalaureate degree in Psychology from Temple University.



**William L. Fleisher, B.A., C.F.E.**

Assistant Director

Mr. Fleisher has 33 years of investigative, polygraph and administrative experience gained as a Philadelphia Police supervisor, a special agent of the Federal Bureau of Investigation, and supervisory special agent of the U.S. Customs Service. He has lectured on Behavioral Symptom Analysis for many law enforcement and intelligence agencies across the United States and Far East. He has been a principal instructor on Behavioral Assessment at University of Delaware seminars and the Federal Law Enforcement Training

Center, Glynco, Georgia. Mr. Fleisher is coauthor of, "*Effective Interviewing and Interrogation Techniques*," and the author of the U.S. Customs Service's training manual, *Behavioral Symptom Analysis* and a training video, *Behavioral Symptom Analysis*, that has been translated into French and Spanish for use by foreign Customs agencies.

Mr. Fleisher was a U.S. Customs Service Forensic Polygraph Examiner - Emeritus. He is a Certified Fraud Examiner, a full member of the American Polygraph Association, the Pennsylvania Examiner's Association, American College of Forensic Examiners and the Society of Former Special Agents of the FBI. He has served the American Polygraph Association as a member of the Membership and Ethics committee, and has instructed at American Polygraph Association accredited schools since 1978. Mr. Fleisher is a Charter Member and present Commissioner of the Vidocq Society.

## ACADEMY FOR SCIENTIFIC INVESTIGATIVE TRAINING

The **Academy for Scientific Investigative Training** is a professional institution offering a comprehensive education in the art of the **detection of deception**. Studies of theory, history and psychophysiology are pursued through lecture and assigned reading.

Theory is quickly put into practice as students receive hands on instruction with a variety of polygraph instrumentation, from the older mechanical instruments, to the most modern electronic and computerized instrumentation available.

Students become thoroughly versed in all major techniques, including that of Reid, Backster, Utah, Matte, Marcy, Federal Zone, Peak of Tension, Concealed Information Test, Positive Control and the Academy's **"Integrated Zone of Comparison Technique,"** and **"Polygraph Verification Technique."**

Several methods of chart interpretation and numerical scoring, including the Academy's own **"Horizontal Scoring System,"** are mastered by the students, in a modern classroom facility while they observe ongoing testing and participate in mock examinations. Experience in a variety of testing situations is provided, from criminal to business investigation, and pre-employment analysis.

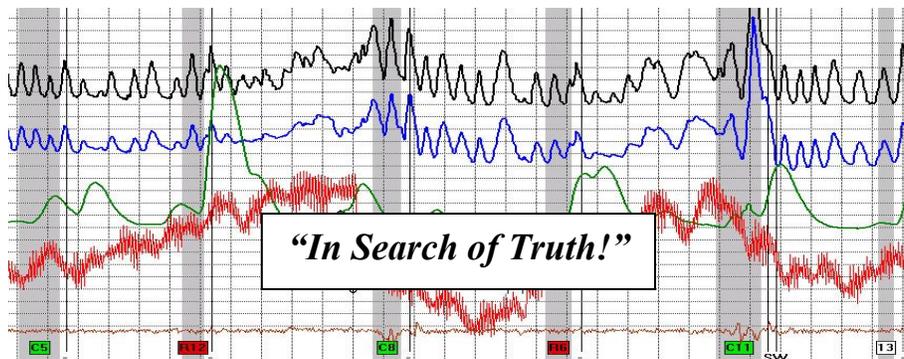
The Academy is the only school offering an education in the **Morgan Interview Thematic Technique (MITT)**, a projective test that assists in assessing a person's truthfulness as well as provides important information that can be used in post-test interviews.

The Academy's educational concept is distinguished as one that aims for total involvement of the student, from theory, techniques and instrumentation, through direct student involvement and participation in the testing procedure.

Eligible candidates enter the Academy for comprehensive study and eight weeks later graduate as professionally trained Forensic Psychophysiologicalists. Students leave the Academy with an operational expertise geared to his or her individual working style and environment.

The Academy's executive offices, classroom and truth verification laboratory are located in the fashionable Rittenhouse Square area of center city Philadelphia. Our outstanding facility is within walking distance of numerous hotels, restaurants, and fine shops.

The Academy of Scientific Investigative Training is proud to be an Equal Opportunity Employer.



## **FORENSIC PSYCHOPHYSIOLOGY COURSE OUTLINE\*\***

(Ten Weeks/400 Hours Academic/Two Weeks Post Graduate Work 80 Hours)

### **History and Development:** (Eight Hours)

The History of lie detection is traced from primitive man to its evolved state of art and will be presented to the student in an interesting and informative manner.

### **Psychophysiology:** (Fifty-six Hours)

Students will study the interrelationship between the mind and body, through an in-depth examination of the effects of emotions on the nervous system, and the subsequent changes in body organs and systems. These changes are what Forensic Psychophysiologicalists monitor and record for interpretation of truth or deception.

### **Instrumentation:** (Twenty-four Hours)

Students will be instructed in the complete nature of both state of the art and the more traditional instrumentation used in the detection of deception, including their construction, operation, calibration, and maintenance. Both mechanical and electronic analog instruments will be covered, with a major focus on computerized polygraph systems. Students will learn and demonstrate proper component placement, proper software operations, acceptable data collection practices, and the use of standardized annotations used in polygraph examinations.

### **Techniques:** (Fifty-two Hours)

A comprehensive study of the various forensic psychophysiological techniques in use today, including the Reid General Question Technique, Marcy Technique, Backster Zone Comparison Techniques, Federal Zone, Utah Zone, Matte Quadri-Track, AFMGQT, Positive Control, Recognition Tests, and the Academy's Integrated Zone of Comparison Technique and Polygraph Verification Technique. The student will acquire a working knowledge of each of major polygraph techniques and will be capable of using any of them in the field for both law enforcement and commercial purposes.

### **Interviewing:** (Forty-eight Hours)

The student will be taught to properly prepare an examinee for forensic psychophysiological criminal and screening examinations, along with various methods of ascertaining critical information from the individual. The student will learn to analyze Nonverbal Behavior and Unwitting Verbal Cues, with the latest advances in this field, such as, the Morgan Interview Thematic Technique, and Forensic Statement Analysis. Students will be instructed in the Integrated Interrogation Technique, which will allow them to masterfully obtain confessions from deceptive examinees in a non-intrusive system.

### **Question Formulation:** (Thirty-two Hours)

This area of instruction covers one of the most vital phases of truth verification, the selection of the correct issue and formulation of questions, which reflect both the needs of the examiner and the concepts of the examinee. Students will be trained to artfully develop polygraph questions.

## **FORENSIC PSYCHOPHYSIOLOGY COURSE OUTLINE (continued)**

### **Chart Interpretation:** (Forty Hours)

Chart analysis is the final and most crucial part of any polygraph examination. This phase of study teaches the student how to understand the physiological phenomena recorded by the instrument, to make the proper and necessary comparisons, and to reach an accurate conclusion of truth or deception. The development of numerical evaluation is taught from its origin with the Backster technique to the latest advancement with the Academy's own **Horizontal Scoring System**.

### **Deliberate Distortions:** (Sixteen Hours)

The student will learn to identify common types of countermeasures and augmentations, as well as atypical physiological data. Both anti-countermeasure and counter-counter measure procedures will be addressed.

### **Information and Results Reporting:** (Sixteen Hours)

The student will learn and demonstrate an understanding of necessary information for proper presentation of test results and writing of reports, as well as maintain records within the parameters of business and legal necessities.

### **Practicum:** (Eighty Hours)

Students will observe examinations in the Academy's modern polygraph laboratory. Students will be presented with hypothetical case facts and be required to construct and administer a complete polygraph examination to resolve the issue in a mock crime or screening paradigm. This practical experience allows the students to practice everything that they have been taught. This practice has been the most effective method in training examiners to be able to properly administer forensic psychophysiological examination in the field.

### **Legal and Ethical Aspects:** (Twelve Hours)

Experience has taught us that ethical conduct by the forensic psychophysiologicalist is essential. A code of conduct and standards of practice prescribed by the American Polygraph Association will be presented and discussed. Students will be informed of the latest available legal opinions from the courts concerning lie detection and its application. The student will be instructed in proper methods of testifying as an expert witness in civil and criminal court proceedings, and administrative hearings.

### **Forensic Psychophysiology Research and Methods:** (Sixteen Hours)

The basis of any scientific technique requires that it be valid and reliable. Our students will be familiarized with current research regarding the validity and reliability of the forensic psychophysiological technique, as well as demonstrate conceptual knowledge of sensitivity, specificity, false positive and negative errors, and statistical significance in the application of these concepts to diagnostic and screening tests. Students will also be acquainted with published scientific research data and journals and ascertain a basic understanding of scientific experimental design.

\*\* Minor adjustments to topic hours may be made to suit the needs of any given class as long as the minimum hours for each topic required by the American Polygraph Association are met.

## ADMISSION REQUIREMENTS

1. All applicants must have either a bachelor's degree in an area related to polygraph from a college or university accredited by a regional or national accrediting body and recognized by the U.S. Department of Education or the counsel for Higher Education Accreditation, or at least three years investigative experience.
2. Applicants must be of excellent character and reputation, and have no convictions of a felony, or a misdemeanor involving moral turpitude.
3. All applicants must submit a properly completed Academy application form, three letters of reference attesting to their integrity and moral character from responsible members of the community, and a two and a half by two and a half inch passport type black and white photograph.\*
4. Upon successful completion of the ten week course graduates will receive a letter of completion. Applicants must agree to a 70-hour post graduate project and four months of internship following the completion of formal class instruction, during which time they must submit not less than twenty-five examinations they have conducted, of which at least ten must be of a criminal type nature. After successful completion of the research project and internship period students will be issued a Certificate of Completion.

\* At the discretion of the Director any applicant may be asked to take a forensic psychophysiology examination as a requirement for entrance into either of the courses.

## SCHOOL POLICY

**Leave:** Leave of absence is granted only to students who wish to temporarily interrupt their training for personal reasons. A written request for leave must be made in advance, or time away from the school will be considered an unexcused absence.

**Absence:** An excused absence is one due to illness, death in the immediate family, or other unavoidable circumstance, however, the school must be apprized of the reason for said absences within twenty-four hours, and the reason must be supported by documentary evidence, or said absence will be recorded as unexcused. **Three unexcused absences in any month will result in immediate dismissal.** All students must attend ninety percent of the duration of the course to attain satisfactory attendance. When a student has missed over 10 percent of the duration of the course, by excused or unexcused absences, their training will be immediately interrupted.

**Tardiness:** Any student not physically present at the start of a scheduled period will be considered tardy and the exact number of minutes will be recorded. **Excessive tardiness, such as more than three days in any five-day period, will be grounds for dismissal.**

**Progress and Grading:** Students are administered examinations weekly. Students must maintain at least a 75-grade point average. Students receive immediate feedback regarding their grades and areas which need improvement. Students receiving failing grades will be put on probation for fourteen days. If unsatisfactory progress continues beyond the probationary period, the student's training will be immediately interrupted, and all concerned will be notified. Students dismissed because of unsatisfactory progress may apply for re-entrance; each case will be considered on an individual basis.

**Attire:** Students will attend class in business casual attire (Men: shirt and tie).

## COURSE COSTS

### Tuition and Fees:

<b>Polygraph Course</b>	\$5,750.00 (USD)
<b>Satellite Polygraph Course</b>	\$6,250.00 (USD)

The tuition fee includes all handouts, text, classroom materials, use of the laboratory, instrumentation, post graduate assignment and internship.

An enrollment fee of \$150.00 is to be submitted with the Enrollment Agreement. The balance of tuition is to be paid on, or before, the first day of class.

### Food and Lodging:

Upon request the Academy will make available information on living accommodations at one of the many hotels in the area.

### Instrumentation:

The Academy furnishes all instrumentation needed during your course of study. The Academy is a distributor of the **Lafayette Instrument Company and Limestone Technologies**, the finest and largest manufacturers of polygraph instruments in North America. Students receive a **student discount\*** off of the manufacturer's price of the polygraph system.

Instrumentation takes six (6) to eight (8) weeks to order. If students are going to purchase instrumentation they should consider placing their orders prior to beginning their course of study. This ensures that they will receive their order while in class, which allows Academy faculty to completely update all directories and question templates.



**\* Graduates of the Academy and their agencies receive a student discount on any new instrumentation ordered through the school prior to graduation, when invoices are paid within fourteen days of delivery.**

## **ADMINISTRATION AND STAFF\***

Nathan J. Gordon, M.A.	Director
William L. Fleisher, B.A.	Assistant Director
Essam El-Din	Assistant Director, Middle East
Tuvia Shurany, M.A.	Assistant Director, Latin and South America
Raymond Morgan, Ph.D.	Polygraph and Psychology Instructor
Christopher Lombardi, M.S.	Polygraph Instructor
Faith Gordon-Mazur, M.A.	Psychology Instructor
Joyce Belcher, Ph.D.	Physiology Instructor
Hesham El Batanony, MD	Physiology Instructor
Rania Essam Aly Gamaleldin	Physiology and Psychology Instructor
Howard Lebofsky, Esq.	Legal/Ethical Aspects of Polygraph
Gary L. Gerzsewski, JD	Polygraph and Legal Instructor
Michael Pravetz, MD	Psychology, Physiology and Legal
Anthony Mazzerelli, MD, JD	Psychophysiology and Legal Instructor

### **GRADING SYSTEM:**

A (Excellent)	4 Grade Points
B (Good)	3 Grade Points
C (Average)	2 Grade Points
D (Conditional)	1 Grade Points
E (Failing)	0 Grade Points

\* Guest speakers with expertise in appropriate fields will periodically lecture.

## PARTIAL LIST OF PAST GRADUATES

Lee Feather (In Memoriam)  
President  
Associate Security  
Mentor, Ohio

James Vito  
Detective  
County Detective's Office  
West Chester, Pennsylvania

Ira Friedman  
Chief of Internal Affairs  
New Jersey Corrections  
Trenton, New Jersey

Juanita Goodman  
Lieutenant  
Philadelphia Corrections  
Philadelphia, Pennsylvania

Bobby Cummings  
Lieutenant  
Wilmington Police Department  
Wilmington, Delaware

Christopher McAteer  
Investigator  
State Attorney General's Office  
Harrisburg, Pennsylvania

Anthony Santilli  
Detective  
NYPD  
New York, New York

Timothy Perkins  
Detective  
Bucks County DA's Office  
Doylestown, Pennsylvania

Hye Sun, Choi  
Forensic Psychophysiologicalist  
Seoul, Korea

Christopher McMullen  
Detective  
Bensalem Police Department  
Bensalem, Pennsylvania

David Santiago  
Investigator  
Atlantic County Prosecutor's Office  
Atlantic City, New Jersey

Daan Bekker (In Memoriam)  
Retired SA Police  
Private Investigator  
Centurion, South Africa

Bruce Taylor  
Detective  
Cleveland Police Department  
Cleveland, Ohio

Louis Pepe  
Federal Agent  
GSA  
Philadelphia, PA

Michael Bubin  
Detective  
Lower Makefield Police Department  
Lower Makefield, Pennsylvania

Aileen Torrente  
Detective  
Middletown Township Police Department  
Middletown, PA

Jorn Yu  
Senior Forensic Technician  
Taipei Municipal Police Department  
Taiwan

Michael Eisenhardt  
Detective  
Delaware State Police  
New Castle, Delaware

Essam Ali Gamal Hassan  
General  
Defense Ministry  
Cairo, Egypt

Robert Scott  
Detective  
United States Park Service, Washington, D.C.

Timothy Fuhrmann  
Detective  
Bristol Police Department  
Bristol, Pennsylvania

Emanuel Cohen  
Private Examiner  
Jerusalem, Israel

**ENROLLMENT AGREEMENT**

I, \_\_\_\_\_, hereby agree to enroll with the **Academy for Scientific Investigative Training**, 1704 Locust Street, Second Floor, Philadelphia, Pennsylvania, 19103, in a class scheduled to begin on \_\_\_\_\_, 20\_\_\_\_\_, in:

- \_\_\_\_\_ **Forensic Psychophysiology - The Art of Lie Detection**  
(Eight Classroom Weeks/Two Weeks Post Graduate) \$5,750.00
  
- \_\_\_\_\_ **Satellite Program**  
(Eight Classroom Weeks/Two Weeks Post Graduate) \$6,250.00

**Tuition includes:** the text books

*Forensic Psychophysiology; Using The Polygraph*, by Dr. James Matte, the Academy’s *Forensic Assessment Interview and Integrated Interrogation Technique*, the Academy’s three video tape instructional program on Interviewing and Interrogation, two substantial binders of handouts, supplies and laboratory fees, and free lifetime quality control services.

**Cancellation and refund policy:**

The enrollee has the right to cancel this agreement within five (5) calendar days, in which case, all money paid will be refunded. After five calendar days, when an enrollee cancels, or fails to attend, all moneys in excess of the enrollment fee (\$75.00) will be refunded. When a student cancels, the school may retain the earned tuition, plus a cancellation charge of an amount equal to the enrollment fee. The earned tuition will be computed weekly. Any portion of a week’s attendance will be considered a full week of attendance. Refunds will be made within thirty (30) days of the date that the student fails to enter or terminates training. **The school reserves the right to discontinue the enrollment of any student whose study or conduct is for whatever reason, unsatisfactory.**

**The school does not guarantee employment.**

Any questions or complaints concerning this agreement may be directed to **Nathan J. Gordon**, Director, and if the problem is not resolved to your satisfaction, to the **State Board of Private Licensed Schools, Pennsylvania Department of Education**, 333 Market Street Harrisburg, Pennsylvania 17101, which licenses the school.

I, the undersigned, having read and understood this agreement, and acknowledge receipt of a copy of same and the school catalogue, further agree and understand this agreement is not subject to verbal provisions or any changes in its printed form.

\_\_\_\_\_  
Signature of Enrolled/Sponsor

\_\_\_\_\_  
Date

**This agreement is not binding until signed and dated by:**

\_\_\_\_\_  
Accepted by Nathan J. Gordon, Director

\_\_\_\_\_  
Date

**ACADEMY FOR SCIENTIFIC INVESTIGATIVE TRAINING**

1704 Locust Street, 2nd Floor, Philadelphia, PA 19103

Telephone: (215) 732-3349; Fax: (215) 545-1773

**APPLICATION**

Name: \_\_\_\_\_ Social Security No. \_\_\_\_\_

Home address: \_\_\_\_\_  
\_\_\_\_\_

Organization: \_\_\_\_\_ Address: \_\_\_\_\_

Home phone# \_\_\_\_\_ Work# \_\_\_\_\_

Date of Birth: \_\_\_\_\_ U.S. Citizen: Yes \_\_\_\_\_ No \_\_\_\_\_

List any physical limitations, such as hearing, visual, speech, or other condition which may affect your performance as a polygraph examiner:

List any convictions, other than minor traffic violations:

**Education:**

Name of School	Location	Years Attended	Date Graduated	Degree
Grammar				
High School				
College				
Trade/Business				
Other				

**Military Service:**

Have you served in the armed forces? Yes \_\_\_\_\_ No

If yes: Dates \_\_\_\_\_ Branch \_\_\_\_\_ Type Discharge

**Employment History:**

Dates	Name/Address	Position	Reason for Leaving

**References** (Three individuals not related to you):

Name	Address	Business	Years

Will you be sponsored in this school by a law enforcement organization?

Yes \_\_\_\_\_ No \_\_\_\_\_

I hereby certify that all of the above information is true. I authorize full investigation of statements contained in this application.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

