

**GUIDANCE DOCUMENT FOR QUALIFICATION OF  
COURSE CONTENT IN FULFILLMENT OF THE  
FORENSIC ANALYST LICENSING REQUIREMENT FOR STATISTICS**

**I. Statistics Requirement**

Any three-semester credit hour or equivalent college-level statistics course from an accredited university or program approved by the Commission.

**II. Commission-Sponsored Course**

The Commission will provide its own course for qualified credit in fulfillment of the statistics requirement to obtain a forensic analyst license. The course is a 14-week online forensic statistics course offered through Texas A&M University with an assessment at the end of the course. The cost of the course is \$300 per student. After April 2019, the Commission will publish information about the course's availability and how to register.

**III. Content Considered in Review of Course Submitted for Approval**

Forensic Analyst License applicants may fulfill the statistics requirement by taking any three-semester credit hour or equivalent college-level statistics course from an accredited university. The Commission accepts evaluations completed by the American Council on Education with respect to course equivalency. Course content will be evaluated and approved by the Commission's Licensing Advisory Committee and must be determined to consist substantially of some combination of the following topics:

- A. Basic principles of statistical methods
- B. Probability
- C. Statistical functions
- D. Distribution model (*e.g.*, normal or binomial)
- E. Experimental design for statistical applications (*e.g.*, controls, randomization, replication)
- F. Statistical sampling
- G. Estimation
- H. Likelihood
- I. Confidence intervals
- J. Hypothesis testing
- K. Statistical inference
- L. Confidence intervals
- M. T-Test
- N. Z-score
- O. Chi-Square tests
- P. Regression
- Q. Variance

- R. Standard deviations
- S. Statistical applications

**IV. Subject Areas Not Considered Qualified Content**

Subject areas that will not be considered as qualifying content include but are not limited to:

- i. mathematical topics that are not specifically being applied to statistics (e.g., Geometry, Algebra, Trigonometry, or Calculus)
- ii. non-mathematic methods of estimation; or
- iii. coursework focused on any other discipline that tangentially refers to or utilizes statistical methods.

*Generally, an introduction to statistics course from an accredited university will count for credit towards the licensing requirement for statistics assuming it covers at least some of the key topics/subject areas outlined in Section III above; however, each course is subject to review and final determination by the Licensing Advisory Committee.*