

**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. 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. T-Test
- M. Z-score
- N. Chi-Square tests
- O. Regression
- P. Variance
- Q. Standard deviations
- R. Statistical applications

III. 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.