

DNA Analysis Training

Flexible, Professional and Customizable

NFSTC@FIU offers the only DNA analyst online course, preparing new analysts for casework. This high-quality course includes the theoretical knowledge base for forensic biological screening and DNA analyst training. Content includes a pre-course assessment, new technologies, module quizzes and a final exam.

Your team will have access to a consistent knowledge base to get them up to speed quickly. Training can be accomplished in as little as 6 months, far less than the standard 12–24 month timeline, and assessment reports are available for Technical Leaders.



Each online course includes one year of access via **NFSTC@FIU**'s Online Learning Management system, assessments, resources and materials.

Individual blocks \$450 per student Full course \$995 per analyst

Agency subscription (group sales)

- Up to five analysts and one Technical Leader
- Monthly progress reports
- \$4500/year per agency

Technical Leaders can

- Track analyst progress
- Receive group grade reports
- Review and refer to resources for the team
- Determine certificate* achievement benchmarks

Need more? NFSTC@**FIU** can provide the support you need to complete training in your laboratory including sample packs and instructors.

Save time, effort and money: Expand the online course by including **NFSTC@FIU**'s specialized workshops and hands-on training for your team. Training can be held at our facilities in Largo, FL, or at your location. Instructor-led options include:

- Full Analyst Training: a blend of online training and hands-on exercises
- DNA Mixture Interpretation: 2-day workshop with hands-on exercises for Autosomal STR Typing by Forensic DNA Testing Laboratories
- Biological Screening: Workshops for forensic scientists or non-scientists to streamline evidence management and examination
- * Certificates of Completion issued to only those students who complete this training under a Lab Supervisor, Technical Leader or qualified instructor.

National Forensic Science Technology Center at Florida International University 8285 Bryan Dairy Road, Suite #125 • Largo, FL 33777 www.nfstc.org • (727) 395-2511

NFSTC@FIU DNA Training Pricing

NFSTC@FIU's DNA training is available as a full course for analysts, or choose just the self-contained blocks you need for your technicians and screening team. The full course includes all content, plus extra modules on new technologies, safety, CODIS and QAS.

Biological Screening

Evidence & DNA

Evidence collection, documentation and preservation

Forensic Biology

Screening evidence for biological fluids as well as laboratory safety requirements and quality assurance

Communicating
Results Report
writing and courtroom
testimony

DNA Analysis

DNA Extraction & Quantitation

Includes both manual and robotic extraction methods, quantitative PCR instrumentation using any forensic quantitation kit from Promega or Life Technologies™, proper pipetting techniques, quantitative calculations and how to perform dilutions

DNA Amplification Amplification process using thermal cyclers and any forensic autosomal and/ or Y-STR kit from Promega or Life Technologies™

Amplified DNA Separation

Capillary electrophoresis, sample preparation and handling

Communicating Results Report writing and courtroom testimony

Data Interpretation & Statistics

STR Data Analysis &

Interpretation Preliminary data interpretation, interpretation of single-source samples and DNA mixtures

Population Genetics &

Statistics An overview of population genetics. Statistical applications are taught following the SWGDAM *Interpretation* Guidelines for Autosomal STR Typing by Forensic DNA Testing Laboratories

Communicating Results

Report writing and courtroom testimony

Individual Instruction Blocks \$450 per student; no prerequisite

Full Analyst Course

All Blocks as listed above Biological Screening, DNA Analysis, and Data Interpretation & Statistics Plus: Other DNA Markers and Technologies Single-nucleotide polymorphisms (SNPs), Y-STRs, low copy number (LCN), non-human, and mitochondrial DNA (mtDNA) typing Plus: Safety & Resources
Safety module; understanding the
FBI Quality Assurance Standards
(QAS) and the Combined DNA
Index System (CODIS)

\$995 per analyst