

# International Board of Forensic Engineering Sciences

EDUCATION · PROFESSIONAL FORENSIC EXPERIENCE · KNOWLEDGE · DEMONSTRATED COMPETENCIES

## JOB DESCRIPTION: FORENSIC ENGINEER SCIENTIST

Using a panel of Subject Matter Experts (SME), an occupational analysis was completed to define the occupation of Forensic Scientist. Below is a list of duties and associated tasks for the job of Forensic Engineer that was used to develop the Forensic Screening certification examination. To learn more about the development of this examination, please refer to the IBFES website.

- Manage Casework Requests
  - o Review case information
  - o Develop testing plan
  - o Coordinate testing with other disciplines
- Perform Evidence Examinations
  - o Maintain chain of custody and/or perform site visit
  - o Inventory evidence items
  - o Address case discrepancies
  - o Document evidence
  - o Photograph and document site conditions
  - o Collect samples from evidence
- Publish Examination and Interpretation Results
  - o Write draft report (e.g., forensic engineering report)
  - o Conduct technical review
  - o Address review issues (e.g., technical, administrative)
  - o Issue final report
- Participate in Legal Process
  - o Provide testimony (e.g., depositions, court)
- Perform QA/QC Responsibilities
  - o Prepare work area, stay safe
  - o Document site or incident scene
  - o Quick peer reviewed standards
  - o Participate in proficiency testing
  - o Perform peer review standards and citations review
- Participate in Personal Professional Development
  - o Review current literature
  - o Complete continuing education activities
- Perform Administrative Tasks
  - o Participate in operational meetings (e.g., staff, QA, unit)
  - o Respond to daily inquiries (e.g., email, phone calls)