

# FORENSIC SCIENCES, DFS

## Requirements for Students Matriculating in or before Academic Year

**2024-2025.** Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

**Total Hours:** 60

| Code  | Title   | Hours     |
|---|---|-----------|
| <b>Core Requirements</b>  |   |           |
| FRNS 5013   | Survey of Forensic Sciences                               | 3         |
| FRNS 5653   | The Law and Expert Evidence                               | 3         |
| FRNS 5743   | Forensic Science Seminar                                  | 3         |
| FRNS 6800   | Critical Readings in Forensic Sciences                    | 3         |
| FRNS 6990   | Advanced Special Topics in Forensic Sciences              | 3         |
| <b>Hours Subtotal</b>   |   | <b>15</b> |
| <b>Electives</b>  |   |           |
| Select 45 hours from the following per faculty advisor/pathway: |   | 45        |
| FRNS 5023   | Questioned Document Examination                           |           |
| FRNS 5033   | Theory and Practice of Forensic Handwriting Examination   |           |
| FRNS 5043   | Technical Aspects of Forensic Document Examination        |           |
| FRNS 5053   | The Historical Aspects of Forensic Document Examination   |           |
| FRNS 5063   | Ethical Research and Scientific Writing                   |           |
| FRNS 5073   | Quality Assurance in Forensic Science                     |           |
| FRNS 5083   | Ethics in Forensic Leadership                             |           |
| FRNS 5090   | Internship in Forensic Sciences                           |           |
| FRNS 5093   | Scientific Writing and Presentation Skills                |           |
| FRNS 5103   | The Chemistry of Pyrotechnics                             |           |
| FRNS 5113   | Essential Science for Explosive Operators                 |           |
| FRNS 5123   | Fire Dynamics in Forensic Investigations                  |           |
| FRNS 5133   | Ordnance Identification and Recognition                   |           |
| FRNS 5143   | Methods in Fire and Explosion Investigation NFPA 921/1033 |           |
| FRNS 5153   | Explosives Research, Testing and Evaluation Methods       |           |
| FRNS 5183   | Computer Fire Modeling                                    |           |
| FRNS 5213   | Molecular Biology for the Forensic Scientist              |           |
| FRNS 5242   | Population Genetics for the Forensic Scientist            |           |
| FRNS 5282   | Methods in Forensic Sciences                              |           |
| FRNS 5323   | Forensic Microbiology                                     |           |
| FRNS 5413   | Forensic Pathology and Medicine                           |           |
| FRNS 5422   | Forensic Osteology and Anthropology                       |           |
| FRNS 5423   | Blast Injuries and Effects                                |           |
| FRNS 5513   | Forensic Bioscience                                       |           |
| FRNS 5523   | Forensic Toxicology                                       |           |
| FRNS 5533   | Drug Toxicity   |           |
| FRNS 5543   | Advanced Forensic Toxicology                              |           |
| FRNS 5613   | Criminalistics and Evidence Analysis                      |           |

|                |   |    |
|----------------|---|----|
| FRNS 5622      | Crime Scene Laboratory and Moot Court Experience                                |    |
| FRNS 5663      | Destructive Devices/Explosives: Law and Regulations                             |    |
| FRNS 5673      | Intelligence for Forensic Investigators   |    |
| FRNS 5713      | Forensic Psychology   |    |
| FRNS 5733      | Forensic Victimology  |    |
| FRNS 5753      | Criminal Behavioral Analysis  |    |
| FRNS 5803      | Circuit Exploitation of Destructive Devices                                     |    |
| FRNS 5813      | Building Construction and Fire/Explosion Forensic Examination                   |    |
| FRNS 5823      | Forensic Examination of Fire Protection Systems                                 |    |
| FRNS 5833      | Identification of Destructive Device Fuzing Systems                             |    |
| FRNS 5853      | Electrical Theory and Failure Analysis in Forensic Fire Investigations          |    |
| FRNS 5873      | Firearms and Toolmarks  |    |
| FRNS 5913      | Forensic Accounting and Fraud Investigation                                     |    |
| FRNS 5943      | Forensic Management and Organizational Development                              |    |
| FRNS 5960      | Forensic Problem Solving through Applied Research                               |    |
| FRNS 5963      | Forensic Statistics   |    |
| FRNS 5970      | Directed Readings in Forensic Sciences  |    |
| FRNS 5980      | Non-Thesis Creative Component in Forensic Sciences                              |    |
| FRNS 5990      | Special Topics in Forensic Sciences   |    |
| FRNS 6083      | Advanced Forensic Statistics  |    |
| FRNS 6173      | Advanced Interdisciplinary Post Blast Investigation                             |    |
| FRNS 6183      | Advanced Computer Fire Modeling   |    |
| FRNS 6423      | Advanced Blast Injuries and Effects   |    |
| FRNS 6713      | Applied Forensic Theory   |    |
| FRNS 6723      | Research Design and Methods   |    |
| FRNS 6733      | Juvenile Issues in Forensic Sciences  |    |
| FRNS 6843      | Advanced Destructive Device Circuit Exploitation                                |    |
| FRNS 6853      | Advanced Electrical Theory and Failure Analysis in Forensic Fire Investigations |    |
| Hours Subtotal |   | 45 |
| Total Hours    |   | 60 |

Learn more about Graduate College 2022-2023 Doctor of Forensic Sciences Degree Program Requirements (<https://okstate-curr.courseleaf.com/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.