## FORENSIC SCIENCES, PHD

### Requirements for Students Matriculating in or before Academic Year 2022-2023

Learn more about Graduate College Academic Regulation 7.0 ([link](http://catalog.okstate.edu/graduate-college/#70)).

**Total Hours:** 60

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>Degree Core</strong></td>
<td></td>
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<tr>
<td>FRNS 5743</td>
<td>Forensic Science Seminar</td>
<td>3</td>
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<tr>
<td>FRNS 6083</td>
<td>Advanced Forensic Statistics</td>
<td>3</td>
</tr>
<tr>
<td>FRNS 6723</td>
<td>Research Design and Methods</td>
<td>3</td>
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<tr>
<td>Per faculty advisor’s recommendation, six hours of directed electives.</td>
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<td><strong>Hours Subtotal</strong></td>
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<td>15</td>
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<tr>
<td><strong>Dissertation</strong></td>
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<tr>
<td>Fifteen to forty-five (15-45) hours from:</td>
<td>15-45</td>
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<tr>
<td>FRNS 6000</td>
<td>Doctoral Dissertation</td>
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<td><strong>Hours Subtotal</strong></td>
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<td>15-45</td>
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<tr>
<td><strong>Electives</strong></td>
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<td>0-30</td>
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FRNS 5013  Survey of Forensic Sciences  
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 5443  Interdisciplinary Post Blast Investigation  
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 5653  The Law and Expert Evidence  
FRNS 5663  Destructive Devices/Explosives: Law and Regulations  
FRNS 5673  Intelligence for Forensic Investigators  
FRNS 5683  Digital and Multimedia Evidence for Investigators  
FRNS 5713  Forensic Psychology  
FRNS 5723  Advanced 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 5990  Special Topics in Forensic Sciences  
FRNS 6083  Advanced Forensic Statistics  
FRNS 6123  Advanced Fire Dynamics  
FRNS 6173  Advanced Interdisciplinary Post Blast Investigation  
FRNS 6183  Advanced Computer Fire Modeling  
FRNS 6243  Historical Evolution of Forensic Genetics  
FRNS 6423  Advanced Blast Injuries and Effects  
FRNS 6513  Advanced Methods in Forensic Genetics  
FRNS 6713  Applied Forensic Theory  
FRNS 6723  Research Design and Methods  
FRNS 6733  Juvenile Issues in Forensic Sciences  
FRNS 6800  Critical Readings in Forensic Sciences  
FRNS 6843  Advanced Destructive Device Circuit Exploitation  
FRNS 6853  Advanced Electrical Theory and Failure Analysis in Forensic Fire Investigations  
FRNS 6903  Advanced Forensic Examination of Firearms  
FRNS 6923  RCIED - Advanced Analysis and Mitigation
FRNS 6990 | Advanced Special Topics in Forensic Sciences
---|---
| Hours Subtotal | 0-30 |
| Total Hours | 60 |

Elective hours based on hours needed to supplement less Dissertation hours.

**Graduate College Doctor of Philosophy (PhD) Requirements**

Learn more about Graduate College 2022-2023 Doctor of Philosophy (PhD) Degree Program Requirements (http://catalog.okstate.edu/graduate-college/), Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.