

FORENSIC SCIENCES, PHD

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
Degree Core		
FRNS 5743	Forensic Science Seminar	3
FRNS 6083	Advanced Forensic Statistics	3
FRNS 6723	Research Design and Methods	3
Per faculty advisor's recommendation, six hours of directed electives from electives list below.		6
Hours Subtotal		15
Dissertation ¹		
Fifteen to forty-five (15-45) hours from:		15-45
FRNS 6000	Doctoral Dissertation	
Hours Subtotal		15-45
Electives ¹		
		0-30
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 5273	Forensic Threat Assessment and Management	
FRNS 5282	Methods in Forensic Sciences	
FRNS 5293	Violence in Forensic Settings	
FRNS 5323	Forensic Microbiology	
FRNS 5333	Forensic Chemistry	
FRNS 5343	Forensic Investigation of Clandestine Laboratories	

FRNS 5353	Forensic Investigations Involving Radiological/Nuclear Materials
FRNS 5363	Forensic Investigations of Chemical/Biological Incidents
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 5453	Fingerprints and Their Role in Forensic Science
FRNS 5463	Blood Stain and Pattern Analysis
FRNS 5473	Forensic Crime Scene Processing
FRNS 5513	Forensic Bioscience
FRNS 5523	Forensic Toxicology
FRNS 5533	Drug Toxicity
FRNS 5543	Advanced Forensic Toxicology
FRNS 5553	Introduction to Forensic Crime Analysis
FRNS 5563	Theories in Forensic Crime Analysis
FRNS 5573	Policing Strategies in Forensic Crime Analysis
FRNS 5583	Data and Statistics in Forensic Crime Analysis
FRNS 5613	Criminalistics and Evidence Analysis
FRNS 5622	Crime Scene Laboratory and Moot Court Experience
FRNS 5643	Law and Expert Evidence: Firearms and Toolmarks
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 5693	Battlefield Forensics and the Global War on Terror
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 5883	History of Firearm Identification
FRNS 5893	Admissibility of Firearm Identification
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 6113	Advanced Energetic Materials Chemistry and Engineering
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 6263	Threat Assessment and Management of Violent Extremism
FRNS 6273	Threat Assessment and Management of Workplace Violence
FRNS 6283	Threat Assessment and Management of Violence in Schools
FRNS 6293	Threat Assessment and Management of Stalking
FRNS 6400	Case Studies in Forensic Science
FRNS 6423	Advanced Blast Injuries and Effects
FRNS 6513	Advanced Methods in Forensic Genetics
FRNS 6663	Network Forensics
FRNS 6673	Mobile Device Forensics
FRNS 6683	Computer Forensics, Extractions and Analysis
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 6833	Advanced Identification of Destructive Device Fuzing Systems
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 6913	Advanced Toolmark Examination and Identification
FRNS 6923	RCIED - Advanced Analysis and Mitigation
FRNS 6933	Shooting Reconstruction for Examiners
FRNS 6990	Advanced Special Topics in Forensic Sciences
Other courses not listed here, but deemed relevant to completion of dissertation research, may satisfy electives requirement with permission from student's Graduate Faculty Advisory Committee.	
Hours Subtotal	
0-30	
Total Hours	
60	

1

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

Graduate College Doctor of Philosophy (PhD) Requirements

Learn more about Graduate College 2024-2025 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.