

Bachelor of Science with Major in Forensic Science

Required 120 credits (36 of which must be numbered 300 or above, and 30 of which must be from UND) including:

I. Essential Studies Requirements (see University ES listing)

II. Required curriculum

Required Curriculum

Code	Title	Credits
Required Courses		
FS 120	Introduction to the Forensic Sciences	3
FS 345	Forensic Science Seminar	3
FS 346	Analysis of Forensic Evidence	3
FS 499	Forensic Entomology - From Crime Scene to Courtroom	3
PHIL 250	Ethics in Engineering and Science	3
CJ 201	Introduction to Criminal Justice	3
CJ 342	Criminal Procedure	3
CJ 352	Criminal Investigation	3
BIOL 150	General Biology I	3
BIOL 150L	General Biology I Laboratory	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Laboratory	1
CHEM 121	General Chemistry I	3
CHEM 121L	General Chemistry I Laboratory	1
CHEM 122	General Chemistry II	3
CHEM 122L	General Chemistry II Laboratory	1
CHEM 340	Survey of Organic Chemistry <small>CHEM 341 and CHEM 342 may be used to fulfill this requirement with program approval</small>	4
CHEM 340L	Survey of Organic Chemistry Laboratory <small>CHEM 341L and CHEM 342L may be used to fulfill this requirement with program approval</small>	1
PHYS 161 or PHYS 211	Introductory College Physics I College Physics I	4
PHYS 162 or PHYS 212	Introductory College Physics II College Physics II	4
Select one of the following:		
BIOL 470 or MATH 321 or SOC 326	Biostatistics Applied Statistical Methods Sociological Statistics	3-4
Select one of the following:		
MATH 146 or MATH 165 or MATH 166	Applied Calculus I Calculus I Calculus II	3
Total Credits		59-60

Concentrations

Forensic Chemistry

Code	Title	Credits
Required Courses		
CHEM 333	Analytical Chemistry	3
CHEM 333L	Analytical Chemistry Laboratory	1
CHEM 341	Organic Chemistry I	3

CHEM 341L	Organic Chemistry I Laboratory	1
CHEM 342	Organic Chemistry II	3
CHEM 342L	Organic Chemistry II Laboratory	1
CHEM 370	Drug Chemistry and Toxicology	3
CHEM 441	Instrumental Analysis I - Spectroscopy	2
CHEM 442	Instrumental Analysis II - Electrochemistry	2
CHEM 443	Instrumental Analysis III - Chromatography/Mass Spectrometry	2
Total Credits		21

Criminal Investigation

Code	Title	Credits
Required Courses		
CJ 320	Cybersecurity Law and Investigations	3
FS 347	Firearms and Ballistics	3
FS 348	Bloodstain Pattern Analysis	3
FS 349	Forensic Photography (Forensic Photography)	3
FS 350	Footwear, Tire Marks, and Toolmarks Evidence Examination (Footwear, Tire Marks, and Toolmarks Evidence Examination)	3
FS 351	Trace Evidence Analysis (Trace Evidence Analysis)	3
FS 352	Friction Ridge Processing and Examination (Friction Ridge Processing and Examination)	3
Total Credits		21

Forensic Biology

Code	Title	Credits
Required Courses		
BIMD 301	Biochemistry	3
BIOL 315	Genetics	3
BIOL 320	Forensic Biology	3
BIOL 333	Population Biology	3
BIOL 410	Molecular Biology Techniques	4
BIOL 415	Genomics	4
FS 490	Forensic Microbiology	3
FS 353	Forensic Serology (Forensic Serology)	3
Total Credits		26

Every student must fulfill all University, Essential Studies, and Departmental requirements.

Forensic Science Recommended Courses

- FS 495. Forensic Science International Practical Experience
- BIOL 363. Entomology
- BIOL 341. Cell Biology + BIOL 341L. Cell Biol Lab
- BIOL 450. Molecular Genetics
- BIOL 460. Molecular Biology of the Cell