

# BU Digital Forensics and Cybersecurity Degree Checklist

Effective Spring 2021

REQUIRED DF Courses (24 credits)	Credits	Grade	Semester/Year
DIGFOR 121 Digital Forensics File Systems 1	3		
DIGFOR 122 Digital Forensics File Systems 2	3		
DIGFOR 219 Intro to Linux for D.F.	3		
DIGFOR 275 Introduction to Networks	3		
DIGFOR 311 Security Fundamentals	3		
DIGFOR 317 Digital Forensics Software	3		
DIGFOR 318 Small Devices	3		
DIGFOR 417 Advanced Topics in Digital Forensics	3		

Digital Forensics Electives (At least 9 credits)	Credits	Grade	Semester/Year
DIGFOR 257 Secure System Design and Administration	3		
DIGFOR 319 UNIX/LINUX for Digital Forensics	3		
DIGFOR 331 Electronic Discovery	3		
DIGFOR 351 Enterprise Network Investigations	3		
DIGFOR 371 Penetration Testing	3		
DIGFOR 419 Independent Study in Digital Forensics	3		
DIGFOR 431 Current Issues in Cybercrime	3		
DIGFOR 451 Malware Forensics	3		
DIGFOR 471 Internet of Things (IoT) Forensics	3		
DIGFOR 498 Internship in DF (At most 3 credit hours)	3		

REQUIRED Math & CS Courses (15 to 16 credits)	Credits	Grade	Semester/Year
COMPSCI 115 Python Programming	3		
COMPSCI 357 Database Design	3		
MATH 111 Finite Mathematics <i>OR</i> MATH 125 Calculus 1	3 4		
MATH 141 Intro to Statistics <i>OR</i> MATH 241 Probability and Statistics	3		
MATH 180 Discrete Mathematical Structures <i>OR</i> MATH 185 Discrete Mathematics	3		

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	<b>COURSE GEPs SEM/Y R GRADE</b>	<b>COURSE GEPs SEM/YR GRADE</b>	<b>COURSE GEPs SEM/YR GRADE</b>	<b>COURSE GEPs SEM/YR GRADE</b>
<b>Learning Outcome 1 Communication 7 GEPs needed (3 disciplines)</b>	<b>ENGLISH 101 3</b>	<b>COMMSTUD 103 3</b>	<b>INTSTUDY 231 2</b>	
<b>Learning Outcome 2 Information Literacy 2 GEPs needed</b>	<b>INTSTUDY 231 1</b>			
<b>Learning Outcome 3 Analytical/Quantitative 5 GEPs needed (2 disciplines)</b>	<b>MATH 111 3</b>	<b>MATH 141 3</b>		
<b>Learning Outcome 4 Culture/History 5 GEPs needed (2 disciplines)</b>	<b>PHIL 295 3</b>			
<b>Learning Outcome 5 Natural Sciences 5 GEPs needed (2 disciplines)</b>				
<b>Learning Outcome 6 Social Sciences 5 GEPs needed (2 disciplines)</b>	<b>CRIMJUST 101 3</b>			
<b>Learning Outcome 7 Arts and Humanities 5 GEPs needed (2 disciplines)</b>				
<b>Learning Outcome 8 Second Language 2 GEPs needed</b>				
<b>Learning Outcome 9 Health 2 GEPs needed</b>				
<b>Learning Outcome 10 Citizenship 2 GEPs needed</b>				

**Students need a minimum of 120 credits to graduate from Bloomsburg University.**

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## Program Completion Plan – New Freshmen

Semester One	Semester Two
DIGFOR 121 Files 1	DIGFOR 122 Files 2
ENG 101 Writing	CRIMJUST 101 Intro. To C.J.
MATH 111 Finite Math.	MATH 141 Intro. To Stat.
COMPSCI 115 Python Programming	COMPSCI 357 Database Design(early)
General Education Course	General Education Course
Semester Three	Semester Four
DIGFOR 219 Intro. To Linux	DIGFOR 275 Intro. To Networks
INTSTUDY 231 Tech . Writing	COMMSTUD 103 Public Speaking
MATH 180 Discrete Math. Structure	COMPSCI 357 Database Design (late)
PHIL 295 Bus. Ethics	General Education Course
General Education Course	General Education Course
Semester Five	Semester Six
DIGFOR 311 Security	DIGFOR 318 Small Devices
DIGFOR 317 DF Software	Digital Forensics Elective
General Education Course	General Education Course
General Education Course	Elective
Elective	Elective
Semester Seven	Semester Eight
DIGFOR 417 Adv. Topics	Digital Forensics Elective
Digital Forensics Elective	Elective
Elective	Elective
Elective	Elective
Elective	Elective

## Program Completion Plan Two Year Transfer Student\*

\*The following assumes the student transfers in with courses equivalent to most of the following. Some adjustments are possible.

MATH 111	Finite Mathematics	MATH 141	Intro. to Statistics
DIGFOR 275	Introduction to Networks (Optional)	COMMSTUD 103	Public Speaking
COMPSCI 115	Python (A programming course)	CRIMJUST 101	Intro. to Criminal Justice
ENGLISH 101	Foundations of Writing	PHIL 295	Business Ethics

Fall First Year	Winter First Year	Spring First Year
DIGFOR 121 Files 1*	DIGFOR 122 Files 2*	DIGFOR 275 Intro. To Networks
DIGFOR 219 Intro. To Linux		DIGFOR 317 DF Software
MATH 180 Disc. Math. Structures		Gen Ed 2
Gen Ed 1		INTSTUDY 231 Technical Writing
Elective		Elective

\*Alternatively: DIGFOR 121 in summer preceding fall first year and DIGFOR 122 in fall first year.

Fall Second Year	Spring Second Year
DIGFOR 311 Security	DIGFOR 417 Adv. Topics
DIGFOR 318 Small Devices	DIGFOR Elective
COMPSCI 357 Database	DIGFOR Elective
DIGFOR Elective	Elective
Gen Ed 3	Elective

\*The above schedule assume only 10 General Educational Points are required to complete Bloomsburg University's General Educational Requirements. We do offer Digital Forensics classes online and during the summer to aid students in a timely degree completion schedule.