



# GALGOTIAS UNIVERSITY



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School of Computer Science and Engineering

## **Program**

**Post Graduate Diploma (PG Diploma) in Cyber Security  
with Artificial Intelligence**

**(Duration: 1 Year/2 Semesters)**

## Proposed Curriculum - PG Diploma in Cyber Security with Artificial Intelligence

<b>First Semester - PG Diploma in Cyber Security with Artificial Intelligence</b>							
<b>S.No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
1	101	Foundations of Data Science	3	0	0	0	3
2	102	Principles of Cyber Security	3	0	1	0	4
3	103	Artificial Intelligence and Machine Learning	3	0	1	0	4
4	104	Python Programming	3	0	1	0	4
5	105	Digital Forensic Analytics	3	0	0	0	3
6	106	Term Project	0	0	1	1	2
<b>Total Credits</b>			<b>20</b>				

<b>Second Semester - PG Diploma in Cyber Security with Artificial Intelligence</b>							
<b>S.No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>C</b>
1	201	Ethical Hacking	3	0	1	0	4
2	202	Cryptography	3	0	1	0	4
3	203	Generative AI and Prompt Engineering	3	0	0	0	3
4	204	Blockchain Technology	3	0	0	0	3
5	205	Elective	3	0	0	0	3
6	206	Capstone Project	0	0	1	2	3
<b>Total Credits</b>			<b>20</b>				
<b>Total Program Credits</b>			<b>40</b>				

### List of Electives

<b>S.N.</b>	<b>Course Code</b>	<b>Elective Courses</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>S</b>	<b>Credits</b>
1	205	Critical Infrastructure Security	3	0	0	0	3
2	205	Cyber Security Data Visualization & Reporting	3	0	0	0	3
3	205	Data Science for Cyber Defense	3	0	0	0	3
4	205	Cyber Laws & IT Act	3	0	0	0	3