



Certificate Program in Applied Generative AI

Learning Schedule - May 2025 Cohort



Course #	Course	Program Week	Topic	Content Release	Live Session ³ Weekend	JHU Master Classes	Assessment Deadline ⁴
0	Pre Work ¹		Pre-work-01: Introduction to the World of AI	Available on enrollment			
			Pre-work 02: Overview of Generative AI	Available on enrollment			
			Pre-work 03: Python Foundation	Available on enrollment			
			Preparatory Session		3-May		
			Program Orientation ²		10-May		
		0	MLS 0 Introduction To Python		17-May		
1	Learning Python with Generative AI	1	Generative AI Landscape	15-May	24-May	--	25-May
		2	Python Programming with Generative AI - 1	22-May	31-May	--	1-Jun
		3	Foundation of AI	29-May	7-Jun	--	8-Jun
		4	Python Programming with Generative AI - 2	5-Jun	14-Jun	--	15-Jun
		5	Natural Language Processing	12-Jun	21-Jun	--	22-Jun
2	Generative AI for Office Productivity	6	Transformers for Large Language Models	19-Jun	28-Jun	28-Jun	29-Jun
			Independence Day Break				
		7	Prompt Engineering	26-Jun	12-Jul	13-Jul	13-Jul
		8	Classification, Content Generation, and Summarization with Gen AI	3-Jul	19-Jul	--	20-Jul
		9	Project-1	3-Jul	26-Jul	--	3-Aug
3	Designing Advanced Generative AI Workflows	10	Secure and Responsible Gen AI Solutions	24-Jul	2-Aug	2-Aug	6-Aug
		11	Developing Agents with LangChain	31-Jul	9-Aug	--	10-Aug
		12	Retrieval Augmented Generation (RAG) Search	7-Aug	16-Aug	6-Sep	17-Aug
		13	Advanced RAG	14-Aug	23-Aug	--	24-Aug
			Labor Day Break				
		14	Fine Tuning and Customization of Generative AI	21-Aug	6-Sep	--	7-Sep
		15	Project-2	21-Aug	13-Sep	--	21-Sep

1 Pre Work - Introductory material to help prepare foundations before the program launch and structure learning journey commences

2 Program Orientation - Live session to launch the cohort and aims to orient learners to get the best out of the program ahead

3 Live Session Weekend - Live learning sessions will happen either on a Saturday or a Sunday during weekends, the schedule slot will get finalized and communicated by the Program Office in the first week after the launch based on group formation, learners' and mentor's/faculty's schedules

4 The assessment deadline is expected to be Sunday past midnight local time

* This schedule is subject to change owing to a variety of reasons like design tweaks to improve learning experience and mentor availability changes. Program Office will ensure timely and clear communication in case of any changes