

Certificate Program in Agentic AI

Learning Schedule - Sept 2025 Cohort

Course #	Course	Program Week	Topic	Content Release	Live Session Weekend	JHU Master Classes	Assessment Deadline
0	PreWork		Pre-work-01: Landscape of AI, Gen AI and Agentic AI	Available on enrollment			-
			Pre-work-02: Python Basics	Available on enrollment	6-Sep		-
			Orientation Session		13-Sep		-
1	Prompt Engineering Foundations	0	Pre-work-02: Python Basics (Repeat Session)	Available on enrollment	14 Sept		-
		1	Python Refresher for Agentic AI	11-Sep	20-Sep		21-Sep
		2	Introduction to Large Language Models	18-Sep	27-Sep		28-Sep
		3	Prompt Engineering Techniques & RAG	25-Sep	4-Oct		5-Oct
		4	Project-1	25-Sep	11-Oct		26-Oct
2	Introduction to Agentic AI Design	5	Diwali Break				
		6	Introduction to Agentic AI	23-Oct	1-Nov		2-Nov
		7	Core Agent Concepts	30-Oct	8-Nov		9-Nov
		8	Ethics, Safety, Alignment & Responsible AI	6-Nov	15-Nov		16-Nov
		9	Planning & Reasoning Mechanisms	13-Nov	22-Nov		23-Nov
3	Designing and Building Agentic Systems	10	Thanksgiving Break				
		11	Project-2	13-Nov	6-Dec		14-Dec
		12	Multi-Agent Systems (MAS)	11-Dec	20-Dec		21-Dec
4	Advanced Agentic AI		Christmas and New Year Break				
		13	Reinforcement Learning in Agents	1-Jan	10-Jan		11-Jan
		14	Interaction & Embodiment	8-Jan	17-Jan		18-Jan
		15	Project- 3	8-Jan	24-Jan		1-Feb
		16	The Future of Agentic AI	29-Jan	7-Feb		8-Feb

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