Applied Data Science Program - Delivery Schedule

PROFESSIONAL EDUCATION

Course #	Course	Topic	Session Faculty	Session Date	Session Time	Session Type	Attendance Points	Assessment Type	Assessment Deadline
0	Pre-work	Introduction to Python	Great Learning Mentor	Jul 29, 2023	*12 PM EST*	*Live Weekend Preparatory Session with an Industry Expert*	No	NA	NA
		Introduction to Python [Repeat Session]		Aug 26, 2023	*9 AM EST*				
		Introduction to Python [Repeat Session]		Sep 24, 2023	*To be Announced*				
	Introduction to Data Science & AI [Data Science Primer Sessions]	Intro to the World of Data Science		Aug 5, 2023	*12:30 PM EST*				
		The Must-Know Mathematics & Statistics Behind DS		Aug 12, 2023	*9 AM EST*				
		Intro to the World of Data Science [Repeat Session]		Sep 2, 2023	*12 PM EST*				
		The Must-Know Mathematics & Statistics Behind DS [Repeat Session]		Sep 9, 2023	*10 AM EST*				
	Generative AI	Generative AI		Aug 19, 2023	*1 PM EST*				
		Generative AI [Repeat Session]		Sep 16, 2023	*11:30 AM EST*				
	Program Overview	Program Orientation	Great Learning Program Office	Sep 23, 2023	*9:30 AM EST*				
1	Foundations for Data Science	Python Foundations	Great Learning Mentor	Sep 30, 2023 or Oct 1, 2023	*To be Announced*	*Live Weekend Mentored Learning Session with an Industry Expert*	Yes	*Quiz*	Oct 2, 2023
		Stats Foundations		Oct 7, 2023 or Oct 8, 2023	*To be Announced*			*Quiz + Foundations Project*	Oct 9, 2023
2	Data Analysis & Visualization	Exploratory Data Analysis and Visualization	Prof. Caroline Uhler	Oct 9, 2023	09:30 am - 11:30 am ET	*Weekday Live Virtual Class with MIT Faculty*	No	*Quiz*	Oct 16, 2023
		Networks		Oct 11, 2023	09:30 am - 11:30 am ET				
		Introduction to Unsupervised learning		Oct 12, 2023	09:30 am - 11:30 am ET				
		Data Exploration and Networks	Great Learning Mentor	Oct 14, 2023	*To be Announced*	*Live Weekend Mentored Learning Session with an Industry Expert*	Yes		
		Unsupervised Learning		Oct 15, 2023	*To be Announced*				
3	Machine Learning	Introduction to Supervised Learning: Regression	Prof. John Tsitsiklis	Oct 16, 2023	09:30 am - 11:30 am ET	*Weekday Live Virtual Class with MIT Faculty*	No	*Quiz*	Oct 23, 2023
		Model Evaluation: Cross-Validation & Bootstrapping		Oct 18, 2023	09:30 am - 11:30 am ET				
		Introduction to Supervised Learning: Classification		Oct 20, 2023	09:30 am - 11:30 am ET				
		Introduction to Supervised Learning and Regression	Great Learning Mentor	Oct 21, 2023	*To be Announced*	*Live Weekend Mentored Learning Session with an Industry Expert*	Yes		
		Introduction to Supervised Learning and Classification		Oct 22, 2023	*To be Announced*				
4	Practical Data Science	Decision Trees	Prof. Munzer Dahleh	Oct 23, 2023	09:30 am - 11:30 am ET	*Weekday Live Virtual Class with MIT Faculty*	No	*Quiz*	Oct 30, 2023
		Random Forest		Oct 25, 2023	09:30 am - 11:30 am ET				
		Time Series (Introduction)		Oct 27, 2023	09:30 am - 11:30 am ET				
		Decision Trees and Random Forest	Great Learning Mentor	Oct 28, 2023	*To be Announced*	*Live Weekend Mentored Learning Session with an Industry Expert*	Yes		
		Time Series		Oct 29, 2023	*To be Announced*				
Revision Week 1		Conceptual Revision Session 1	Great Learning Mentor	*To be Announced*		*Optional Live Session with an Industry expert*	No	NA	NA
		Case Study Revision Session 1							
		Office Hours: Code Debugging Session 1							
5	Deep Learning	Intro to Neural Networks	Prof. Stefanie Jegelka	Nov 6, 2023	09:30 am - 11:30 am ET	*Weekday Live Virtual Class with MIT Faculty*	No	*Quiz*	Nov 13, 2023
		Convolutional Neural Networks		Nov 8, 2023	09:30 am - 11:30 am ET				
		Graph Neural Networks		Nov 10, 2023	09:30 am - 11:30 am ET				
		Introduction to Deep Learning	Great Learning Mentor	Nov 11, 2023	*To be Announced*	*Live Weekend Mentored Learning Session with an Industry Expert*	Yes		
		Convolutional Neural Networks		Nov 12, 2023	*To be Announced*				
6	Recommendation Systems	Intro to Recommendation Systems	Prof. Devavrat Shah	Nov 13, 2023	09:30 am - 11:30 am ET	*Weekday Live Virtual Class with MIT Faculty*	No	*Quiz*	Nov 20, 2023
		Matrix		Nov 14, 2023	09:30 am - 11:30 am ET				
		Tensor, NN for Recommendation Systems		Nov 15, 2023	09:30 am - 11:30 am ET				
		Recommendation Systems Part 1	Great Learning Mentor	Nov 18, 2023	*To be Announced*	*Live Weekend Mentored Learning Session with an Industry Expert*	Yes		
		Recommendation Systems Part 2		Nov 19, 2023	*To be Announced*				
Revision Week 2		Conceptual Revision Session 2	Great Learning Mentor	To be Announced		*Optional Live Session with an Industry expert*	No	Elective Project	Nov 23, 2023
		Case Study Revision Session 2							
		Office Hours: Code Debugging Session 2							
		Capstone Briefing Session							
7	Capstone Project	Capstone QnA Session	Great Learning Mentor	Dec 3, 2023	*To be Announced*	*Optional Live Session with an Industry expert*	No	Capstone Milestone Submission	Dec 7, 2023
		Capstone QnA Session		Dec 10, 2023	*To be Announced*		No	Capstone Final Project & Presentation Submission	Dec 14, 2023
		Capstone Live Presentations		Dec 16, 2023 & Dec 17, 2023	*To be Announced*	*Final Capstone Assessment with panelists*	No	NA	NA
8	ChatGPT and Generative AI	Transformers, Large Language Models	NA						
Great Learning Events			*An optional Hackathon and a Program Completion Ceremony will be organized by Great Learning Program Office post completion of the program*						

Please note:
-Preparatory sessions are optional sessions conducted by Great Learning before the program commencement.
-Preparatory sessions does not include attendance points but helps learners to prepare for the program.
-The schedule is subject to change based on the availability of the MIT faculty.
-Week 1 & 2 shall consist of 1 mentored learning session either on Saturday or Sunday.
-Week 3 to 8 shall consist of 2 mentored learning sessions both on Saturday & Sunday
-Capstone sessions during week 10-12 shall consist of 1 session either on Saturday or Sunday
-Optional revision sessions will be conducted during the revision weeks.
-Timing for the weekend mentored learning sessions will be shared after the program orientation.