Applied Data Science Program - Delivery Schedule

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	Mar 16, 2024	To be Announced	Optional Live Weekend Preparatory Session with an Industry Expert	No	NA	NA
	Introduction to Data Science & AI	Intro to the World of Data Science		Mar 23, 2024	To be Announced				
		The Must-Know Mathematics & Statistics Behind DS		Apr 6, 2024	To be Announced				
	Generative AI	Generative AI		Apr 13, 2024	To be Announced				
	Pre-work	Introduction to Python [Repeat Session]		Apr 20, 2024	To be Announced				
	Introduction to Data Science & AI	Intro to the World of Data Science [Repeat Session]		Apr 27, 2024	To be Announced				
	Introduction to Data Science & AI	The Must-Know Mathematics & Statistics Behind DS [Repeat Session]		May 4, 2024	To be Announced				
	Generative AI	Generative AI [Repeat Session]		May 11, 2024	To be Announced				
	Program Overview	Program Orientation	Great Learning Program Office	May 18, 2024	To be Announced				
	Pre-work	Introduction to Python [Repeat Session]		May 19, 2024	To be Announced				
1	Foundations for Data Science	Python Foundations	Great Learning Mentor	May 25, 2024 or May 26, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes	Quiz Assessment	May 27, 2024
		Stats Foundations		June 01, 2024 or June 02, 2024	To be Announced			Quiz + Project Assessment	Jun 3, 2024
2	Data Analysis & Visualization	Exploratory Data Analysis and Visualization	Prof. Caroline Uhler	Jun 3, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	Jun 10, 2024
		Networks		Jun 5, 2024	09:30 am - 11:30 am ET				
		Introduction to Unsupervised learning		Jun 7, 2024	09:30 am - 11:30 am ET				
		Data Exploration and Networks	Great Learning Mentor	Jun 8, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes		
		Unsupervised Learning		Jun 9, 2024	To be Announced				
3	Machine Learning	Introduction to Supervised Learning: Regression	Prof. John Tsitsiklis	Jun 10, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	Jun 17, 2024
		Model Evaluation: Cross-Validation & Bootstrapping		Jun 12, 2024	09:30 am - 11:30 am ET				
		Introduction to Supervised Learning: Classification		Jun 14, 2024	09:30 am - 11:30 am ET				
		Introduction to Supervised Learning and Regression	Great Learning Mentor	Jun 15, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes		
		Introduction to Supervised Learning and Classification		Jun 16, 2024	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							
4	Practical Data Science	Decision Trees	Prof. Munzer Dahleh	Jun 24, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	July 1, 2024
		Random Forest		Jun 26, 2024	09:30 am - 11:30 am ET				
		Time Series (Introduction)		Jun 28, 2024	09:30 am - 11:30 am ET				
		Decision Trees and Random Forest	Great Learning Mentor	Jun 29, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes		
		Time Series		Jun 30, 2024	To be Announced				
5	Deep Learning	Intro to Neural Networks	Prof. Stefanie Jegelka	Jul 8, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	July 8, 2024
		Convolutional Neural Networks		Jul 10, 2024	09:30 am - 11:30 am ET				
		Graph Neural Networks		Jul 12, 2024	09:30 am - 11:30 am ET				
		Introduction to Deep Learning	Great Learning Mentor	Jul 13, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes		
		Convolutional Neural Networks		Jul 14, 2024	To be Announced				
6	Recommendation Systems	Intro to Recommendation Systems	Prof. Devavrat Shah	Jul 15, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	July 22, 2024
		Matrix		Jul 16, 2024	09:30 am - 11:30 am ET				
		Tensor, NN for Recommendation Systems		Jul 17, 2024	09:30 am - 11:30 am ET				
		Recommendation Systems Part 1	Great Learning Mentor	Jul 20, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes		
		Recommendation Systems Part 2		Jul 21, 2024	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 Assessment	July 29, 2024
		Case Study Revision Session 2							
		Office Hours: Code Debugging Session 2							
		Capstone Briefing Session							
7	Capstone Project	Milestone QnA Session	Great Learning Mentor	Aug 4, 2024	To be Announced	Optional Live Session with an Industry expert	No	Capstone Milestone Project Submission	Aug 1, 2024
		Capstone QnA Session		Aug 11, 2024	To be Announced		No	Capstone Project & Live Presentations Submission	Aug 8, 2024
		Capstone Live Presentations		Aug 17, 2024 or Aug 18, 2024	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 program commencement.
- Preparatory sessions does not consist 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.