Data Science

Starting July 1, we're updating the courses and skills required to complete the Data Science track.

LEGEND

+ New MPP track skill
✱ Revised MPP track skill
+ New MPP track course
✖ Retired MPP track course

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TRACK STOP	SKILL	COURSE
1	Get Started with Data Science	Introduction to Data Science
2a	Analyze and Visualize Data (2 options)	Analyzing and Visualizing Data with Power BI
2b		Analyzing and Visualizing Data with Excel
3	+ Communicate Data Insights	+ Analytics Storytelling for Impact
4	+ Apply Ethics and Law in Analytics	+ Ethics and Law for Data and Analytics
5	Query Relational Data	Querying with Transact SQL
6a	Explore Data with Code (2 current options, 1 retired)	Introduction to R for Data Science
6b		Introduction to Python for Data Science
6c		✖ Programming with R for Data Science
7a	✱ Apply Math and Statistics to Data Analysis (3 options)	+ Essential Math for Machine Learning: R Edition | Available July 1, 2018
7b		+ Essential Math for Machine Learning: Python Edition | Available July 1, 2018
7c		Essential Statistics for Data Analysis Using Excel
8a	✱ Plan and Conduct Data Studies (2 current options, 1 retired)	+ Data Science Research Methods: Python Edition | Available July 1, 2018
8b		+ Data Science Research Methods: R Edition | Available July 1, 2018
8c		✖ Data Science Essentials
9a	✱ Build Machine Learning Models (2 current options, 2 retired)	+ Principles of Machine Learning: R Edition | Available July 1, 2018
9b		+ Principles of Machine Learning: Python Edition | Available July 1, 2018
9c		✖ Principles of Machine Learning
9d		✖ Programming with Python for Data Science
10a	✱ Build Predictive Solutions at Scale (3 current options, 1 retired)	+ Developing Big Data Solutions with Azure Machine Learning
10b		Analyzing Big Data with Microsoft R
10c		Implementing Predictive Analytics with Spark in Azure HDInsight
10d		✖ Applied Machine Learning
11	Final Project	Microsoft Professional Capstone: Data Science

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FAQ

Q: Why are the Microsoft Professional Program tracks changing?

A: Tracks are routinely evaluated for industry relevance. In some cases, we may replace a course, add new courses and skills, or simply rename an existing option.

Q: Do changes affect tracks completed before July?

A: No. If you completed a full track before July 1, updates won't affect you. You can still take new courses, but it's not required to keep your track certificate.

Q: Do I get credit for courses that are no longer part of my track?

A: If you completed a previous requirement before July, you still get credit. If you didn't successfully complete before July, you need to follow the new track requirements.

Q: What if my track is still in progress?

A: If you have yet to complete a skill, refer to the new requirements. If a course is currently on edX, you can take it now. Credit will appear on your dashboard once changes take effect July 1.

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