



## TRACK CHANGES

# 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

Microsoft  
Professional  
Program

| 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                |
| 7b         |  | + Essential Math for Machine Learning: Python Edition           |
| 7c         |  | Essential Statistics for Data Analysis Using Excel              |
| 8a         | * Plan and Conduct Data Studies (2 current options, 1 retired)       | + Data Science Research Methods: R Edition                      |
| 8b         |  | + Data Science Research Methods: Python Edition                 |
| 8c         |  | × Data Science Essentials                                       |
| 9a         | * Build Machine Learning Models (2 current options, 2 retired)       | + Principles of Machine Learning: R Edition                     |
| 9b         |  | + Principles of Machine Learning: Python Edition                |
| 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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# 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.

## PLEASE NOTE THAT WE ARE PROVIDING A ONE-MONTH EXTENSION TO MPP DATA SCIENCE AND DEVOPS STUDENTS.

For students currently enrolled in our MPP tracks with added skills (and associated courses), you will have until July 31, 2018 to complete the tracks with the current number of skill and course requirements.\* This extension applies to students in our Data Science and DevOps tracks and will allow you the opportunity to complete the relevant capstone project (available July 1-July 31, 2018).

Keep in mind that as of July 1, some of the courses are retiring so if you have not completed the skill stop where a course has been retired, you will need to take one of the new course(s) in July, in addition to the capstone project.

If you can't complete the track by July 31, you should continue your progress but will need to take one or two extra courses to complete the track under the new curriculum. These new courses will better prepare you for the updated capstones starting in October.

\* To qualify, you must be enrolled in the MPP Data Science or DevOps track before June 26, 2018 and must link your edX account to your [academy.microsoft.com](https://academy.microsoft.com) account by July 31, 2018.