

# Data Analytics

The **Certificate in Data Analytics** (18 units) teaches technical and math skills needed to perform tasks such as programming for data cleaning, analysis and visualization. In addition, students learn to communicate, problem solve, and lead around data practices, making them competitive in the St. Louis region.

This certificate program is designed primarily for individuals wishing to transition to a data analytics career, including people who have little to no background in data, or students who have some background in data but want to enhance or learn data-related skills. Upon completion of the certificate, students will be competitive for entry-level data analytics and data analysis careers.

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## Requirements

### Certificate in Data Analytics

**Required Courses:** 12 units

Code	Title	Units
DATA 140	Data Fundamentals I	1.5
DATA 145	Data Fundamentals II	1.5
Math 205	Applied Statistics	3
	Experimental Learning in Data Analytics (New course -- Coming soon!)	3
	Communicating, Leading, and Problem-Solving with Data (New course -- Coming soon!)	3
<b>Total Units</b>		<b>12</b>

**Elective Courses** (6 units chosen from the following list):

Code	Title	Units
Math 124	Introduction to (Statistical) Programming with R	3
Math 133	Programming with Python	3
DATA 206	Data Analysis and Visualization in Tableau	3
Math 224	Advanced Data Visualization (with R)	3
Math 230	Introduction to Data Science with Python	3