If you are trying to bring any significant improvement in your business, then data analytics is your best skill to bring about an informed transformation. Students will gain the skills to identify and design analytic processes to improve the overall flow of information and the quality of decision-making within an organization. As professionals, it is increasingly necessary to be more proficient in applying data technology and analytics skills across any industry segment.

The certificate teaches the foundations of data visualization, which gives a clear representation of what the information means. This data methodology provides visual context through graphs and identifying trends, patterns, and outliers within large data sets.

Students will be provided hands-on projects and large data sets to apply the knowledge learnt in the program.

**COURSES**

**DATA LITERACY**
This course examines concepts, models and methods useful for applying data analytics in technical environments

**DATA ANALYSIS**
This course examines Data Analytics tools useful for analyzing data sets to 1) ask better questions regarding the data and 2) find answers to those questions in order to improve decision making.

**DATA VISUALIZATION**
This course introduces modern visualization, techniques and methods useful for applying data analytics in technical environments.

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**WHAT YOU WILL LEARN**

- Understand concepts, models, and methods useful for applying data analytics
- Analyze data sets to improve decision making
- Provide data visualization techniques for informing trends in data

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**FOR MORE INFORMATION GO TO:** [https://bit.ly/3ygdvku](https://bit.ly/3ygdvku)
**OR CONTACT:** [onlineadmissions@purdue.edu](mailto:onlineadmissions@purdue.edu) | 765-496-0990