



Data Analytics and Applications, BSIS

Data-related industries, such as the geospatial industry, are worth \$4.9 billion in St. Louis and are responsible for more than 27,000 jobs. Given the growth of these data-related industries, professionals in the field need to have a strong foundation in a variety of data. In the **Bachelor of Science in Integrated Studies: Data Analytics and Applications**, learners obtain the knowledge and skills necessary for success in the data analytics field, and develop relevant, data-related skills that will make them competitive in the market for jobs that center on working with a diversity of data. Students will complete required coursework and electives focused on Python, GIS, and R, along with relevant math and statistics courses. The curriculum aligns with area industry need; examples include fields like data scientist and GIS analyst. The experienced and talented faculty who will teach the courses within this degree come from a variety of professional backgrounds, such as government and private industry.

This program will meet the needs of modern learners, providing flexible, online course delivery. Through a focus on project-based learning, students complete coursework based on their own interests or the needs of a community partner. The program will focus on transparency in teaching and learning (TILT) to help learners understand the transferability—and meaningfulness—of classroom learning to their lives and careers.

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