

# DATA ANALYTICS MINOR

students must take 24 credits of coursework while satisfying these six requirements.

The Data Analytics minor at St. Scholastica supplements any major by providing the ability to conduct data analysis. Students in this minor conduct qualitative analysis and apply evaluative and predictive models to produce actionable information. In addition to developing skills, students learn to present information in an effective and meaningful way.

Depending on the students' major, graduates completing this minor are prepared for positions such as a data analyst, business analyst, financial analyst, market analyst, research analyst, or any other position requiring the ability to work with data to make better decisions.

## Content Information

cis@css.edu

## Learning Outcomes

Upon completion of the undergraduate minor in Data Analytics at The College of St. Scholastica, the student will be able to:

1. Design and interact with relational databases.
2. Select and apply statistical methods in the analysis of data.
3. Use data analysis tools and algorithms to extract and analyze data from multiple sources.
4. Identify and communicate contextualized meaning from the analysis of structured and unstructured data.

## Requirements

Students must achieve the following program requirements for all courses listed under Program Requirements and Program Required Courses for the Data Analytics minor.

### Program Requirements

Minor Credits: 24

### Program Required Courses

Code	Title	Credits
CIS 1001 or CIS 3205	Computer Science Principles Information Systems	4
CIS 3107	Database Modeling	4
CIS 3115	Machine Learning for Data Science	4
CIS 3005/ ART 2777/3005	Data Storytelling: The Ethics and Aesthetics of Data Visualization	4
FIN 3550 or MTH 2442 or PSY 3331 or MTH 4411	Business Statistics Introduction to Data Analysis and Applied Statistics Statistics Probability and Statistics I	4
MTH 2442 or MGT 3130 or HIM 4415	Introduction to Data Analysis and Applied Statistics <sup>1</sup> Business Research & Decision-Making Health Data Analytics	4
<b>Total Credits</b>		<b>24</b>

<sup>1</sup> MTH 2442 Introduction to Data Analysis and Applied Statistics can only be used to satisfy one of the elective topics. In other words,