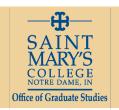


## HOLY CROSS Master of Science in Data Science **Data Science**



# Four + One

Five years. Two Colleges. Two Degrees.

f I hrough a partnership with Saint Mary's College, Holy Cross College is able to offer an extraordinary opportunity:

A Bachelor's degree from Holy Cross and a Master's degree from Saint Mary's in just 5 years.

This program will allow the student to gain deep analytical skills with a strong foundation steeped in mathematics. Developing this skill set will allow you to take on intricate data analysis tasks now as well as in the future.



### Required Bachelor's Courses

Freshman to Junior year Calculus I (MATH 141 or MATH 151) Calculus II (MATH 152 or MATH 106 at SMC) Intro to Statistics (MATH 210 or PYSC 265) Intro to linear alegbra (MATH 108 at SMC or MATH 252) Intro to computer programming (PYTHON CPSC 207 at SMC)

Senior year (At Saint Mary's)

After completing the above coursework, you will be prepared to and required to take: Computer Programming and Applied Statistics. These will be taken your senior year (at graduate level) at Saint Mary's College through the N.I.C.E. program.

#### Summer 1 Fall 2 Electives Computer Programming Database Systems **Data Mining** Applied linear Alegbra **Applied Statistics**

Applied Statistics II

#### **Spring** Summer 2 Practicum Data Mining at Scale 1 Elective Data Preprocessing & Visualization

## **Application Requirements**

Minimum Cumulative GPA 2.7 (in required courses) Open to any major

# 4 + 1**Contact:**

Mary Merrill Program Director **Mathematics** Chair Vincent 190 574.239.8379 mmerrill@hcc-nd.edu



