Starting Fall 2019

Data Science Certificate
Department of Computer Science

Data Scientist is the #1 Best Job in the United States.
Data Scientist has been named the best job in the United States for three years running, with a median base salary of $110,000 and 4,524 job openings.¹

What is Data Science?
"Data science is a ‘concept to unify statistics, data analysis, machine learning and their related methods’ in order to ‘understand and analyze actual phenomena’ with data."² It employs techniques and theories drawn from many fields within the context of mathematics, statistics, information science, and computer science.³

More Information:
http://cs.appstate.edu/data_science

Questions:
Dr. Mitch Parry (parryrm@appstate.edu)

Program Requirements (A five course program):

- C S 2435 -- Introduction to Scientific Programming (Python)⁴
- C S 3435 -- Data Collection and Visualization (Python)
- MAT 2240 -- Linear Algebra
- STT 3850 -- Statistical Data Analysis I
- C S 4755 -- Applied Machine Learning

²https://doi.org/10.1007%2F978-4-431-65950-1_3
³Quoted from https://en.wikipedia.org/wiki/Data_science
⁴Students with credit for C S 1445 or C S 2440 may skip C S 2435.