BS in Data Science

Core Courses
- Single Variable Calculus
- Linear Algebra & ODE
- Discrete Mathematics
- Intro to Computer Science
- Multi Variable Calculus
- Probability Theory
- Object-Oriented Programming
- Numerical Analysis
- Data Structures and Algorithms
- Statistics 1
- Artificial Intelligence
- Machine Learning
- Data Visualization with R
- Statistics 2
- Databases and Distributed Systems

Free Electives
- Mobile Application Development
- High Performance Computing
- Optimization
- Image Processing
- Stochastic Models
- Natural Language Processing
- Deep Learning

BUSINESS ANALYTICS

BA GenEd Requirements
- Intro to Business
- Financial Accounting and Analysis

BA Track Requirements
- Analytics for Decision Making
- Time Series Forecasting
- Business Intelligence

BIOINFORMATICS

BI GenEd Requirements
- Physics and Chemistry in Life Science
- Cell and Molecular Biology

BI Track Requirements
- Intro to Bioinformatics
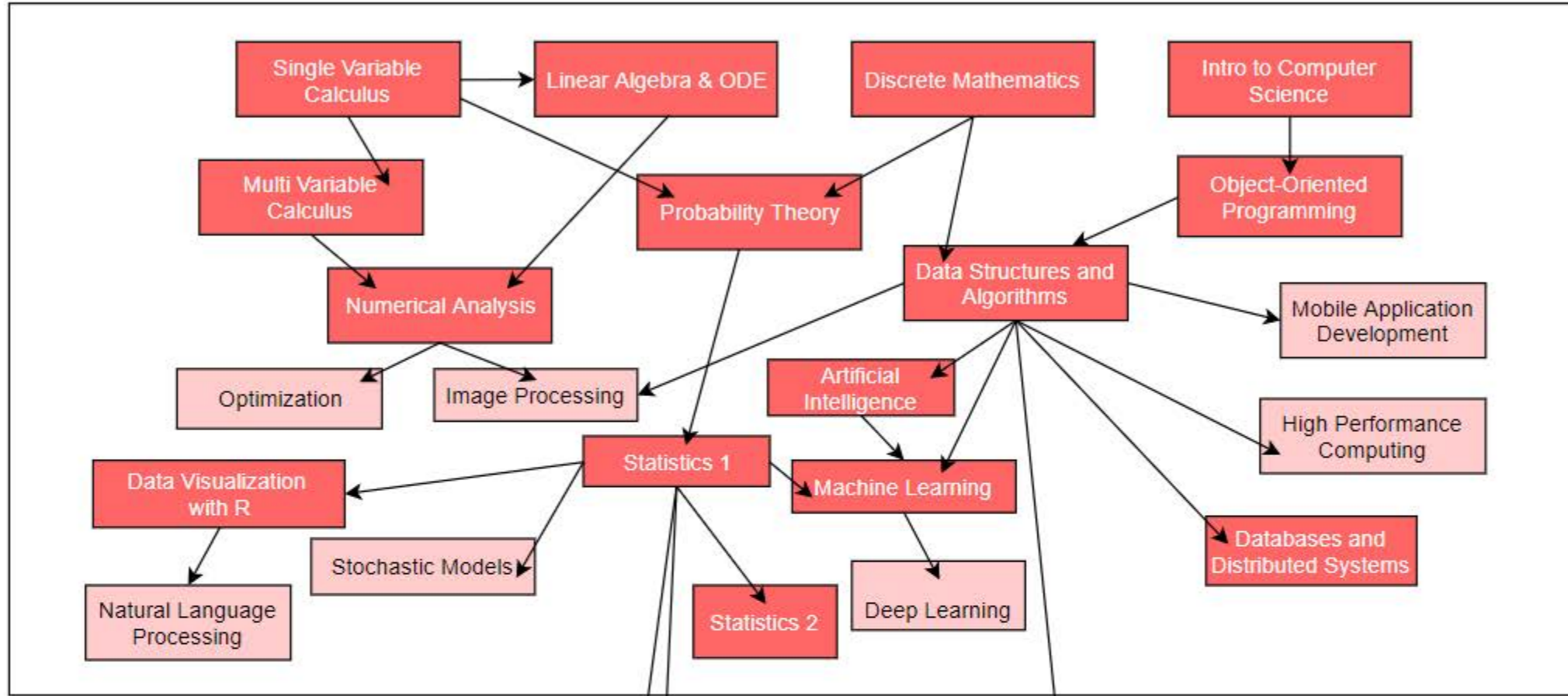- Computational Biology
- Systems Biology

Legend:
- Core Courses
- Free Electives
- BA GenEd Requirements
- BA Track Requirements
- BI GenEd Requirements
- BI Track Requirements