Flow Chart of Disciplinary Courses for BSc Major in Decision Analytics
(for students admitted to Year 1 in 2021 and before)

Pre-requisite
Co-requisite

STAT2601 Probability and Statistics I
MATH2014 Multivariable Calculus and Linear Algebra

STAT2602 Probability and Statistics II
MATH3040 (S1) Introduction to Optimization
MATH3048 (S1) Computational Methods and Diff. Eqns. with Applications

MATH3060 (S2) Discrete Mathematics
MATH3061 (S2) Numerical Analysis

STAT3600 (NO) Modern Nonparametric Statistics
STAT3622 (S2) Data Visualization

STAT3602 Probability and Statistics II
MATH3060 (S2) Discrete Mathematics

STAT3612 (S1) Statistical Machine Learning
STAT4011 (S2) Natural Language Processing

STAT3620 (NO) Modern Nonparametric Statistics
STAT3621 (S2) Statistical Data Analysis
STAT3655 (S2) Survival analysis
STAT4601 (S1) Time-series Analysis
STAT4602 (S2) Multivariate Data Analysis
STAT4610 (S1) Bayesian Learning

STAT4609 (S2) Big Data Analytics
STAT4023 (NO) Medical Image Analysis
STAT4023 (NO) Medical Image Analysis
CSCI9001 Practical Chinese for Science Students

Color Scheme
Pink Year 1
Yellow Year 1 or 2
Green Year 2
Purple Year 2 or 3
Brown Year 3 or above

Border Scheme
Solid Offered by SAAS
Dashed Other Departments

Shape Scheme
Rectangle Core
Rounded Elective

Remarks:
(1) If there are any courses (offered by SAAS or not) mutually exclusive to any Core courses, students must take the course stated in the curriculum to fulfill the degree requirement of the First Major. Course replacement should only be applied for the other Major(s) or Minor(s).
(2) The information shown in this flow chart is just for your understanding of the interconnection of different courses. Students must follow the most updated course information (pre-requisite, offering semester, etc.) and syllabus given on the Faculty website and in class.

Updated 1/8/2023