How to Use your 4-year Plan

- This is a **suggested** 4-year plan for your major and not meant to replace regular academic advising.
- The plan is **flexible** and can be changed to accommodate studying abroad, a second major/minor(s) or AP/IB credits.

- You should work with an academic advisor to develop a plan that meets your interests and goals.
- You must earn a minimum of **120 credits to graduate** and **75 major-specific credits** to earn a B.S. in Data Science.
- **Transfer students and those seeking second majors** should contact the program advisor for degree planning.
- If you have any questions, contact fseadvising@chapman.edu.

Suggested 4-year Plan

- We encourage you to select your General Education (GE) and minor/second major/Themed Inquiry/Honors program around the plan below. Once you fill your GE classes around your major classes, you will have a better idea of space remaining each semester when choosing your Exploration Focus.
- To be enrolled full time, you must take at least **12 credits a semester**.
- In order to **graduate within 4 years**, we recommend you take **30 credits a year**.

Year 1

Fall Semester (13 credits for major)

- FFC100B - Grand Challenges in Science and Engineering (3 credits)
- ENGR101 - Introduction to Design and Fabrication (3 credits)
- CPSC230 - Computer Science I (3 credits)
- CPSC298 - Intro to *Nix (1 credit)
- MATH110 - Single Variable Calculus I (3 credits)

Spring Semester (8 credits for major)

- CPSC231 - Computer Science II (3 credits)
- CPSC298 - Computer Science Colloquium, any topic (1 credit)
- SCI150 - Grand Challenges in Science and Engineering I (1 credit)
- MATH203 - Intro to Statistics (3 credits)

Year 2

Fall Semester (8 credits for major)

- ECON200 - Principles of Microeconomics (3 credits)
- CPSC298 - C++ Programming (1 credit)
- MGSC220 - Foundation of Business Analytics (3 credits)
- SCI200 - Grand Challenges in Science and Engineering II (1 credit)

Spring Semester (10 credits for major)

- Data Science Upper Division Requirement (3 credits)
- Data Science Upper Division Requirement (3 credits)
- CPSC293 - Mathematical Foundations for Machine Learning (3 credits)
- SCI250 - Grand Challenges in Science and Engineering III (1 credit)

Year 3

Fall Semester (10 credits for major)

- CPSC298 - Computer Science Colloquium, any topic (1 credit)
- Data Science Upper Division Requirement (3 credits)
- Data Science Elective (3 credits)
- CPSC285 - Social Issues in Computing (3 credits)

Spring Semester (10 credits for major)

- Data Science Upper Division Requirement (3 credits)
- Data Science Upper Division Requirement (3 credits)

- Data Science Upper Division Requirement (3 credits)
- CPSC298 - Computer Science Colloquium, any topic (1 credit)

Year 4

Fall Semester (9 credits for major)

- Data Science Upper Division Requirement (3 credits)
- Data Science Upper Division Requirement (3 credits)
- Data Science Elective (3 credits)

Spring Semester (10 credits for major)

- CPSC298 - Computer Science Colloquium, any topic (1 credit)
- Data Science Upper Division Requirement (3 credits)
- Data Science Upper Division Requirement (3 credits)
- Data Science Science Elective (3 credits)

Four Year Plans

Accounting (B.S.) 4-year Plan

Applied Human Physiology (B.S.) 4-year Plan

Animation and Visual Effects - 2D Area of Study (B.F.A.) 4-year Plan

Animation and Visual Effects - Computer Graphics Area of Study (B.F.A.) 4-year Plan

Animation and Visual Effects - Visual Effects Area of Study (B.F.A.) 4-year Plan