



# Transfer Model Curriculum Template for Data Science

**Approval Dates:** May 14, 2026

**CCC Associate Degree for Transfer Major or Area of Emphasis:** Data Science

**CSU Majors deemed similar:** Data Science

**Degree Type:** AS-T

**Total Minimum Semester Units for Major or Area of Emphasis:** 25-27

## COURSES

**Required Core (25-27 units minimum)**

| Title                                                                  | C-ID Designation or other Justification | C-ID Units (or sample units) | Proposed Cal-GETC Area for double counting |
|------------------------------------------------------------------------|-----------------------------------------|------------------------------|--------------------------------------------|
| Introduction to Data Science                                           | DATA 100                                | 4                            |                                            |
| Single Variable Calculus I – Early Transcendentals <b>and</b>          | MATH 210                                | 4                            | 2                                          |
| Single Variable Calculus II – Early Transcendentals                    | MATH 211                                | 4                            | 2                                          |
| <b>OR</b> Single Variable Calculus I – Late Transcendentals <b>and</b> | MATH 220                                | 4                            | 2                                          |
| Single Variable Calculus II – Late Transcendentals                     | MATH 221                                | 4                            | 2                                          |
| <b>OR</b> Single Variable Calculus Sequence                            | MATH 900S                               | 8                            | 2                                          |
| Multivariable Calculus                                                 | MATH 230                                | 4                            | 2                                          |
| Introduction to Linear Algebra                                         | MATH 250                                | 3                            | 2                                          |
| <b>OR</b> Differential Equations and Linear Algebra                    | MATH 910S                               | 5                            | 2                                          |
| Programming Concepts and Methodology I                                 | COMP 122                                | 3                            |                                            |
| Programming Concepts and Methodology II                                | COMP 132                                | 3                            |                                            |

**TOTAL MAJOR UNITS**      **25-27\***

Cal-GETC Requirements      34

Double Counting GE      3

Elective      -

Total Units      60-66\*\*

\* All units are based on the semester and indicated minimum units. The major must be a minimum of 18 semester units.

\*\*Please note that colleges are permitted to use up to six additional units, but no additional local requirements can be added to this degree. Students are only required to complete the full Cal-GETC pattern and the core courses listed in the TMC.

## NOTES AND HISTORY

FDRG received 86 individual feedback entries from a broadly representative group of faculty from the field. CCC's, CSU's, and UC's were represented.

Feedback was compiled on March 17, 2026, and FDRG met on April 6, 2026 to discuss feedback and vote on moving forward.

The votes in favor of moving forward with the TMC for Data Science and the C-ID descriptor were both unanimous.

- Feedback requested that FDRG provide the option for MATH 110 as a substitute for DATA 100. After discussion, FDRG decided to keep DATA 100 as a required part of the core of the degree. This is consistent with the FDRG's decision that this degree should require a commitment on behalf of the colleges to develop data science curriculum, and provide appropriate supports and professional development to students and faculty.

- FDRG received feedback questioning the necessity of multivariate calculus in the Data Science degree. However, with the FDRG's charge to make a transfer-aligned degree, we decided that it was not possible to remove the multivariate calculus from the template.

- The FDRG requests that the degree be offered as a 66-unit degree - increasing the number of potential elective units to 8-10. This request is justified by the fact that many colleges teach MATH 210/220/230 as a 15-unit sequence rather than 12, many colleges do not offer a stand-alone Linear Algebra class, and generally it's not uncommon for STEM