Release Date: October 23, 2026
ADT Submission Form #: 1029

ADT Submission Form for Data Science
TOP Code: 1799.00
CIP Code: 30.7001
CCC 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

In the four columns to the right under the **College Program Requirements**, enter the college's course identifier, title and the number of units comparable to the course indicated for the form. If the course may be double-counted with Cal-GETC, enter the GE Area to which the course is articulated. To review the GE Areas and associated unit requirements, please go to **Chancellor's Office Academic Affairs** page or the **ASSIST** website

The units indicated in the template are the **minimum** semester units required for the prescribed course or list.

- All courses must be CSU transferable.
- All courses with an identified **C-ID** Descriptor must be submitted to C-ID **prior** to submission of the Associate Degree for Transfer (ADT) proposal to the Chancellor's Office.
- Where no C-ID Descriptor is indicated, discipline faculty should compare their existing course to the example course(s) provided in the form at the **C-ID** website

Attach the appropriate **ASSIST** documentation as follows:

- Articulation Agreement by Major (AAM) demonstrating lower division preparation in the major at a CSU;
- CSU Baccalaureate Level Course List by Department (BCT) for the transfer courses; and/or,
- Cal-GETC Certification Course List by Area (GECC).
- The acronyms **AAM, BCT,** and **GECC** will appear in C-ID Descriptor column directly next to the course to indicate which report will need to be attached to the proposal to support the course's inclusion in the transfer degree.

Associate in Science Data Science	**College Name:** Saddleback

TRANSFER MODEL CURRICULUM (TMC)		**COLLEGE PROGRAM REQUIREMENTS**			
Course Title (units)	**C-ID Descriptor**	**Course ID**	**Course Title**	**Units**	**Cal-GETC**
REQUIRED CORE: (25-27 units)					
Introduction to Data Science (4 units)	DATA 100	CIM8	Introduction to Data Science In Process	4	

TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS			
Course Title (units)	**C-ID Descriptor**	**Course ID**	**Course Title**	**Units**	**Cal-GETC**
Single Variable Calculus I – Early Transcendentals (units 4) **and** Single Variable Calculus II Early Transcendentals (units 4) **OR** Single Variable Calculus I Late Transcendentals (units 4) **and** Single Variable Calculus II Late Transcendentals (units 4) **OR** Single Variable Calculus Sequence (units 8)	MATH 210 MATH 220 MATH 211 MATH 221 MATH 900S	Math C2210 or C2210 H Math CC2220 none	Calculus I: Early Transcendentals Calculus II: Early Transcendentals Top 2 Courses above	5 5	
Multivariable Calculus (units 4)	MATH 230	Math 3C	Analytic Geometry and Calculus	5	Area 2 only 1 course either Math 3C or Math 26
Introduction to Linear Algebra (units 3) **OR** Differential Equations and Linear Algebra (units 5)	MATH 250 MATH 910S	Math 26 None	Introduction to Linear Algebra	4	Area 2 only 1 course either Math 3C or Math 26
Programming Concepts and Methodology I (units 3)	COMP 122	CS1A	Introduction to Computer Science 1 CIMP 8B ITIS 130 CID Different from COMP 122 Can we make CIMP8A Python a path?	3.5 or 3	
Programming Concepts and Methodology II (units 3)	COMP 132	CS 1D	Data Structures for CS1D prereq is CS1B, 1C w 1B we have 7 Can we make CiMP7B a direct path	3.5 or 7 or 3	30 33.5 w 1B 29.5

TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS			
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	Cal-GETC

Total Units for the Major:	**25-27***	**Total Units for the Major:**	30
		Total Units that may be double-counted (*The transfer GE Area limits must <u>not</u> be exceeded)*	4-5
		General Education (Cal-GETC) Units	**34**
		Elective (CSU Transferable) Units	
		Total Degree Units (maximum)	**60-66****

<u>Notes and History</u>

* 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.

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