



## Data Extracts & Specifications

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# ASSIST Data Extracts & Specifications

This extract specification document provides information for extracts implemented in the current ASSIST system. Policies related to ASSIST data use are included in the [ASSIST Data Governance Policy](#) located on the [ASSIST Resource Center](#).

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## Overview

All California Community College, California State University and University of California campuses maintain a variety of course transfer and articulation information in ASSIST. The ASSIST database is comprehensive, historical and fully relational – that is to say that the information stored in ASSIST is dynamic data that can be assembled each time an extract, list, or agreement is requested.

The ASSIST database was designed to ensure data integrity and consistency, facilitate data entry and management, and support the display of various types of course transfer and articulation information. The ASSIST database was also designed to support data sharing so that campuses and licensed organizations could use raw data from ASSIST in other campus-based or supportive information systems. This document provides the specifications for the ASSIST data extracts.

The specifications are divided into three sections.

- Section 1 describes the general format of the extract files.
- Section 2 describes the contents of each extract file along with any other important information.
- Section 3 describes each of the data elements in detail including valid values and other important characteristics.

It is important to note that while ASSIST does include a broad range of detailed information, some information systems that could benefit from integrating with ASSIST data require a different level of detail, or different information altogether, than can be provided by ASSIST. It is critical that campuses intending to use ASSIST data in their local systems perform detailed analyses to fully understand what data are needed, whether ASSIST data is appropriate to meet local needs, how ASSIST and ASSIST-related data will be updated in the local system, and any other key policies and practices related to using data from ASSIST.

Additional information related to [ASSIST Data Governance](#) can be found on the [ASSIST Resource Center](#).

Please contact ASSIST Central Services ([help@assist.org](mailto:help@assist.org)) with data extract requests or questions.

## Section 1 - General Format of ASSIST Extract Files

Each campus potentially uses different structures to store course and articulation related information. Since there is no universally agreed upon structure for storing course and articulation information, an ASSIST extract format that is tailored to the needs of each campus is not feasible. Instead, a generic format is utilized for the extract data. This allows individual campuses the ability to convert the extract files into a format suitable for their specific systems.

The ASSIST database includes a variety of transfer and articulation related information that has potential use in degree audit and other student-serving systems. There are seven types of data that can be extracted, each into a separate file, including:

- UC Transferable Community College Courses
- CSU Transferable Community College Courses (CSU Baccalaureate Level)

- IGETC Applicable Community College Courses
- CSU-GE/Breadth Certification Applicable CSU and Community College Courses
- CSU US History, Constitution and American Ideals Courses
- CSU and UC Courses Referenced in Articulation Agreements (Future Release)
- Course-to-Course Articulation (articulation between pairs of institutions) (Future Release)

While not all institutions require all of these types of data, they are discussed completely in this document. The general format of each of these files is similar. The specific data elements to be included vary from file to file. All data elements are represented as variable length data, although some data element descriptions identify a fixed length. Each file is provided as an ASCII text file with data elements delimited by tildes (~) and records delimited with a carriage return and line feed. Textual data elements are not surrounded by quotation marks. Generally, records within each file are sorted by:

- 1) Institution-Code
- 2) Course-Prefix
- 3) Course-Number
- 4) Beginning-Term

Some of the source data in ASSIST also includes textual information (e.g., footnotes). Since the various local campus information systems that will use these files generally cannot make use of textual information, this information is not included in the extract files. Specific implications of this limitation are discussed separately for each of the files.

The articulation data in the ASSIST database is organized by academic year. In the extract data, Beginning-Term and Ending-Term values are deduced from the academic year of the source data. Academic years are assumed to begin with the Fall term and end with the Summer term. Term names are represented by a code, as follows: Fall = 10, Winter = 01, Spring = 04, Summer = 07. If the academic year 97-98 appeared in the source data, for example, the extract process would generate the Beginning-Term value 199710 and the Ending-Term value 199807. It is important to note that the Beginning-Term and Ending-Term values do not imply courses being created or removed from an institution's curriculum. Rather, the Beginning-Term and Ending-Term information refers to the effectiveness of the agreement from which the data was extracted.

## Section 2 - Extract File Descriptions

The following is a more detailed description of each of the extract files including a general description of the extracted data, a brief description of the data source, any special comments about the data, and an ordered list of the data elements included in each record of the extract. The specific descriptions of each data element are available in Section 3 of this document.

Data Extract Files #1 through #6 represent information about individual courses (as opposed to File #7 which represents information on the relationship between courses from two institutions). Over the life of a given course, the prefix, number, title and units may change. Each change to any of these data elements results in a different version of the complete course information for a specific time period. In order to most accurately represent these changes over time, extract files #1 through #6 include additional rows of output for each version of the complete course information with corresponding qualifications of begin and end terms. Additional versions of courses are only included in an extract if they meet the criteria for the data extract

type. For example, if a course that is currently UC transferable had a different title and unit value during a time when the course was not UC transferable, the earlier version of the course would not be included in the data extract file #1 (UC Transferable Community College Courses).

## Institutions File: Supplemental File of Institution Codes

**Description:** This file includes institution codes and historical identifier data for all institutions. It is intended as a reference for mapping institution names with the institution codes used in ASSIST standard extract files.

**File Name and Format:** YYMMDD\_insts.txt

**Data Source:** This is the official institution data as approved by the California Community Colleges Chancellor's Office, California State University Office of the Chancellor, and the University of California Office of the President, and maintained by ASSIST Central Services.

**Comments:** This file includes a separate row of output for each version of an institution, organized by ETS code. Institution codes do not change. Institutions with multiple versions will have a separate record for each code, with beginning and ending terms of each record indicating the period in which the respective institution data can be referenced.

*Note: Data Elements marked with an asterisk (\*), taken together, can be used to uniquely identify each record.*

Pos.	Field	Description
1*	<b>Institution-Code</b>	<p><b>Description:</b> Educational Testing Service (ETS) institution code.</p> <p><b>Comments:</b> This is a six-digit code.</p> <p><b>Values:</b> Any valid ETS code that has been registered with ASSIST Central Services.</p>
2*	<b>Beginning-Term</b>	<p><b>Description:</b> The beginning term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> This file may use 198010 or 000000 as the default "beginning of time" beginning term for institutions established prior to the establishment of ASSIST.</p> <p><b>Values:</b>            yyyy01            yyyy04            yyyy07            yyyy10            000000 (No beginning term is defined)</p>
3	<b>Ending-Term</b>	<p><b>Description:</b> The ending term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> This file may use 207010 or 999999 as the default "end of time" ending term, depending on prior system limitations.</p> <p><b>Values:</b>            yyyy01            yyyy04            yyyy07            yyyy10            999999 (No ending term is defined)</p>

4*	<b>Institution-Abbreviation</b>	<p><b>Description:</b> Institution name abbreviation in ASSIST.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> The length of an institution abbreviation can vary. All institution abbreviations are at least 3 characters and do not exceed 8 characters in length.</p>
5*	<b>Institution-Name</b>	<p><b>Description:</b> Official long name of the institution.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> The length of any institution name can vary. There are currently no institution names in ASSIST that exceed 50 characters in length.</p>
6*	<b>Unit-Type</b>	<p><b>Description:</b> Specifies whether the institution uses the quarter or semester system, and therefore provides information for interpreting unit values.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> Q – Quarter S – Semester</p>
7*	<b>System</b>	<p><b>Description:</b> Indicates the California higher education system to which the institution is associated.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> C – California Community College (CCC) S – California State University (CSU) U – University of California (UC)</p>

## File #1: UC Transferable Community College Courses

**Description:** This extract file includes data for all community college courses that are UC transferable.

**File Name and Format:** YYMMDD\_uc\_all.txt

**Data Source:** This is the official data as approved by the University of California Office of the President and maintained by ASSIST Central Services.

**Comments:** This file includes a separate row of output for each version of a course name, title and/or units. This file includes courses which are also in other files. If the UC-Credit-Limit-Flag data element is a ‘Y’, the course has a textual comment or footnote that limits the amount of credit that will be granted for the course. Credit limitations are expressed as textual information in the source data (UC Transfer Course Agreements on [www.assist.org](http://www.assist.org)) in the form of a UC Note located directly under the course, and/or a UC Footnote located at the end of each related department or prefix on the UC course lists. This textual information is not included in the extract.

*Note: Data Elements marked with an asterisk (\*), taken together, can be used to uniquely identify each record.*

Pos.	Field	Description
1*	<b>Institution-Code</b>	<p><b>Description:</b> Educational Testing Service (ETS) institution code.</p> <p><b>Comments:</b> This is a six-digit code.</p> <p><b>Values:</b> Any valid ETS code that has been registered with ASSIST Central Services.</p>

2*	<b>Course-Prefix</b>	<p><b>Description:</b> Discipline abbreviation of the course. For example: MATH. Together, the Course-Prefix and Course-Number comprise the course name.</p> <p><b>Comments:</b> Course prefixes in the ASSIST database may differ from the format of course names as they appear on computer-produced transcripts or catalogs from the institution. Each institution is responsible for defining and updating the course prefixes they use.</p> <p><b>Values:</b> The length of any course prefix can vary depending on what each institution uses, however, there are currently no local course prefixes in ASSIST that exceed 13 characters in length.</p>
3*	<b>Course-Number</b>	<p><b>Description:</b> Number information for the course, including any number prefix and number suffix. For example: 101, 10A, or V12H. Together, the Course-Prefix and Course-Number, concatenated with a space between them, comprise the course name.</p> <p><b>Comments:</b> Course number information in the ASSIST database may differ from the format of course numbers as they appear on computer-produced transcripts or catalogs from the institution. However, course numbers from ASSIST can be matched with course numbers on transcripts using a simple algorithm that the campus can write based on the following information. To match course numbers between ASSIST extracts and transcripts, either the ASSIST course number information can be expanded (e.g., with extra spaces or leading zeros) or the transcript course number information can be reduced (e.g., by eliminating redundant spaces or leading zeros). This work must be done by the campus using the extract data.</p> <p><b>Values:</b> The length of any course number can vary depending on what each institution uses.</p>
4*	<b>Beginning-Term</b>	<p><b>Description:</b> The beginning term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> The beginning term for some courses indicates the first term the course was represented in ASSIST. The institution may have actually begun teaching this course prior to the indicated Beginning-Term.</p> <p><b>Values:</b>          yyyy01          yyyy04          yyyy07          yyyy10          000000 (No beginning term is defined – correlated with Fall 1950 in the data)</p>
5	<b>Ending-Term</b>	<p><b>Description:</b> The ending term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> Values for this element in some extract files may not be 100% accurate as it may be deduced (by the extract program) from the academic year of a file in which the course is stored.</p> <p><b>Values:</b>          yyyy01          yyyy04          yyyy07          yyyy10          999999 (No ending term is defined – correlated with Fall 2070 in the data)</p>
6	<b>Course-Title</b>	<p><b>Description:</b> Descriptive, textual title of a course. For example: Physical Anthropology.</p> <p><b>Comments:</b> Course titles included in these extract specifications are not expected to be used during any automated evaluations. They are included to aid in problem solving and human interpretation of data. Course titles in ASSIST are not expected or required to match with computer-produced transcripts.</p> <p><b>Values:</b> There is no standard format, length, or character limit for valid course titles.</p>

7	<b>Course-Units (Min)</b>	<p><b>Description:</b> The minimum units of credit the student receives upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
8	<b>Course-Units (Max)</b>	<p><b>Description:</b> The maximum units of credit the student could receive upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
9	<b>Unit-Type</b>	<p><b>Description:</b> Specifies whether the institution uses the quarter or semester system, and therefore provides information for interpreting unit values.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> Q – Quarter S – Semester</p>
10	<b>UC-Credit-Limit-Flag</b>	<p><b>Description:</b> Indicates if a credit limit applies to a given course.</p> <p><b>Comments:</b> If a credit limit does apply, it is expressed as textual information in the source data (UC Transfer Course Agreements on <a href="http://www.assist.org">www.assist.org</a>) in the form of a UC Note located directly under the course, and/or a UC Footnote located at the end of each related department or prefix on the UC course lists. This textual information is not included in the extract.</p> <p><b>Values:</b> Y – Yes N – No</p>
11	<b>UC-Eligibility-Code</b>	<p><b>Description:</b> Courses marked with “B”, “E”, “H”, “M”, or “S” will satisfy the applicable area(s) of the transfer course requirements.</p> <p><b>Comments:</b> Information following the hyphen is not part of the data, but rather a description of that data value. Multiple codes can apply to the same course. When this occurs each code is included with all codes concatenated together with no separators.</p> <p><b>Values:</b> B – Social and Behavioral Sciences E – English Composition H – Arts and Humanities M – Mathematical Concepts and Quantitative Reasoning S – Physical and Biological Sciences</p>



## File #2: CSU Transferable Community College Courses (Baccalaureate Level)

**Description:** This extract file includes data for all community college courses that are CSU Baccalaureate Level (CSU Transferable).

**File Name and Format:** YYMMDD\_csu\_all.txt

**Data Source:** Community college ASSIST curriculum data maintained by the individual community colleges via the ASSIST Curriculum and Articulation Management System.

**Comments:** This file includes a separate row of output for each version of a course name, title and/or units. This file includes courses that are also in other files.

*Note: Data Elements marked with an asterisk (\*), taken together, can be used to uniquely identify each record.*

Pos.	Field	Description
1*	<b>Institution-Code</b>	<p><b>Description:</b> Educational Testing Service (ETS) institution code.</p> <p><b>Comments:</b> This is a six-digit code.</p> <p><b>Values:</b> Any valid ETS code that has been registered with ASSIST Central Services.</p>
2*	<b>Course-Prefix</b>	<p><b>Description:</b> Discipline abbreviation of the course. For example: MATH. Together, the Course-Prefix and Course-Number comprise the course name.</p> <p><b>Comments:</b> Course prefixes in the ASSIST database may differ from the format of course names as they appear on computer-produced transcripts or catalogs from the institution. Each institution is responsible for defining and updating the course prefixes they use.</p> <p><b>Values:</b> The length of any course prefix can vary depending on what each institution uses, however, there are currently no local course prefixes in ASSIST that exceed 13 characters in length.</p>
3*	<b>Course-Number</b>	<p><b>Description:</b> Number information for the course, including any number prefix and number suffix. For example: 101, 10A, or V12H. Together, the Course-Prefix and Course-Number, concatenated with a space between them, comprise the course name.</p> <p><b>Comments:</b> Course number information in the ASSIST database may differ from the format of course numbers as they appear on computer-produced transcripts or catalogs from the institution. However, course numbers from ASSIST can be matched with course numbers on transcripts using a simple algorithm that the campus can write based on the following information. To match course numbers between ASSIST extracts and transcripts, either the ASSIST course number information can be expanded (e.g., with extra spaces or leading zeros) or the transcript course number information can be reduced (e.g., by eliminating redundant spaces or leading zeros). This work must be done by the campus using the extract data.</p> <p><b>Values:</b> The length of any course number can vary depending on what each institution uses.</p>
4*	<b>Beginning-Term</b>	<p><b>Description:</b> The beginning term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> The beginning term for some courses indicates the first term the course was represented in ASSIST. The institution may have actually begun teaching this course prior to the indicated Beginning-Term.</p> <p><b>Values:</b> yyyy01 yyyy04 yyyy07</p>

		yyyy10 000000 (No beginning term is defined – correlated with Fall 1950 in the data)
5	<b>Ending-Term</b>	<p><b>Description:</b> The ending term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> Values for this element in some extract files may not be 100% accurate as it may be deduced (by the extract program) from the academic year of a file in which the course is stored.</p> <p><b>Values:</b> yyyy01 yyyy04 yyyy07 yyyy10 999999 (No ending term is defined – correlated with Fall 2070 in the data)</p>
6	<b>Course-Title</b>	<p><b>Description:</b> Descriptive, textual title of a course. For example: Physical Anthropology.</p> <p><b>Comments:</b> Course titles included in these extract specifications are not expected to be used during any automated evaluations. They are included to aid in problem solving and human interpretation of data. Course titles in ASSIST are not expected or required to match with computer-produced transcripts.</p> <p><b>Values:</b> There is no standard format, length, or character limit for valid course titles.</p>
7	<b>Course-Units (Min)</b>	<p><b>Description:</b> The minimum units of credit the student receives upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
8	<b>Course-Units (Max)</b>	<p><b>Description:</b> The maximum units of credit the student could receive upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
9	<b>Unit-Type</b>	<p><b>Description:</b> Specifies whether the institution uses the quarter or semester system, and therefore provides information for interpreting unit values.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> Q – Quarter S – Semester</p>

## File #3: IGETC Applicable Community College Courses

**Description:** This extract file includes data on all community college courses that have been approved for use in the Intersegmental General Education Transfer Curriculum (IGETC).

**File Name and Format:** YYMMDD\_igetc\_all.txt

**Data Source:** This is the official data as approved by the California State University Office of the Chancellor and the University of California Office of the President and maintained by ASSIST Central Services.

**Comments:** This file includes a separate row of output for each version of a course name, title and/or units. The beginning and ending terms of each record indicate the period in which the respective course version can be used for the given IGETC code. Courses with multiple IGETC codes will have a separate record for each code in which the course is applicable as the beginning and ending terms may be different for each IGETC code. This file includes courses that are also in other files.

An additional sort value for this data is the IGETC code.

*Note: Data Elements marked with an asterisk (\*), taken together, can be used to uniquely identify each record.*

Pos.	Field	Description
1*	<b>Institution-Code</b>	<p><b>Description:</b> Educational Testing Service (ETS) institution code.</p> <p><b>Comments:</b> This is a six-digit code.</p> <p><b>Values:</b> Any valid ETS code that has been registered with ASSIST Central Services.</p>
2*	<b>Course-Prefix</b>	<p><b>Description:</b> Discipline abbreviation of the course. For example: MATH. Together, the Course-Prefix and Course-Number comprise the course name.</p> <p><b>Comments:</b> Course prefixes in the ASSIST database may differ from the format of course names as they appear on computer-produced transcripts or catalogs from the institution. Each institution is responsible for defining and updating the course prefixes they use.</p> <p><b>Values:</b> The length of any course prefix can vary depending on what each institution uses, however, there are currently no local course prefixes in ASSIST that exceed 13 characters in length.</p>
3*	<b>Course-Number</b>	<p><b>Description:</b> Number information for the course, including any number prefix and number suffix. For example: 101, 10A, or V12H. Together, the Course-Prefix and Course-Number, concatenated with a space between them, comprise the course name.</p> <p><b>Comments:</b> Course number information in the ASSIST database may differ from the format of course numbers as they appear on computer-produced transcripts or catalogs from the institution. However, course numbers from ASSIST can be matched with course numbers on transcripts using a simple algorithm that the campus can write based on the following information. To match course numbers between ASSIST extracts and transcripts, either the ASSIST course number information can be expanded (e.g., with extra spaces or leading zeros) or the transcript course number information can be reduced (e.g., by eliminating redundant spaces or leading zeros). This work must be done by the campus using the extract data.</p> <p><b>Values:</b> The length of any course number can vary depending on what each institution uses.</p>
4*	<b>IGETC-Code</b>	<p><b>Description:</b> The area of IGETC applicability for a specified course.</p> <p><b>Comments:</b> The following are the valid area codes and their respective descriptions. Information following the hyphen is not part of the data, but rather a description of that data value.</p>

		<p><b>Values:</b>            1A – English Composition            1B – Critical Thinking - English Composition            1C – Oral Communication {CSU requirement only}            2A – Math            3A – Arts            3B – Humanities            4 – Social Sciences            4A – Anthropology and Archaeology            4B – Economics            4C – Ethnic Studies            4D – Gender Studies            4E – Geography            4F – History            4G – Interdisciplinary, Social &amp; Behavioral Sciences            4H – Political Science, Government &amp; Legal Institutions            4I – Psychology            4J – Sociology &amp; Criminology            5A – Physical Science            5B – Biological Science            5C – Science Laboratory            6A – Language Other Than English            7 – Ethnic Studies            8A – Critical Thinking            8B – English Composition            8C – English Composition – 2nd Quarter</p>
5*	<b>Beginning-Term</b>	<p><b>Description:</b> The beginning term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> The beginning term for some courses indicates the first term the course was represented in ASSIST. The institution may have actually begun teaching this course prior to the indicated Beginning-Term.</p> <p><b>Values:</b>            yyyy01            yyyy04            yyyy07            yyyy10            000000 (No beginning term is defined – correlated with Fall 1950 in the data)</p>
6	<b>Ending-Term</b>	<p><b>Description:</b> The ending term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> Values for this element in some extract files may not be 100% accurate as it may be deduced (by the extract program) from the academic year of a file in which the course is stored.</p> <p><b>Values:</b>            yyyy01            yyyy04            yyyy07            yyyy10            999999 (No ending term is defined – correlated with Fall 2070 in the data)</p>
7	<b>Course-Title</b>	<p><b>Description:</b> Descriptive, textual title of a course. For example: Physical Anthropology.</p> <p><b>Comments:</b> Course titles included in these extract specifications are not expected to be used during any automated evaluations. They are included to aid in problem solving and</p>

		<p>human interpretation of data. Course titles in ASSIST are not expected or required to match with computer-produced transcripts.</p> <p><b>Values:</b> There is no standard format, length, or character limit for valid course titles.</p>
8	<b>Course-Units (Min)</b>	<p><b>Description:</b> The minimum units of credit the student receives upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
9	<b>Course-Units (Max)</b>	<p><b>Description:</b> The maximum units of credit the student could receive upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
10	<b>Unit-Type</b>	<p><b>Description:</b> Specifies whether the institution uses the quarter or semester system, and therefore provides information for interpreting unit values.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> Q – Quarter S – Semester</p>

## File #4: CSU-GE/Breadth Certification Applicable Courses

**Description:** This extract file includes data on all community college courses that have been approved for use in CSU General Education/Breadth Certification.

**File Name and Format:** YYMMDD\_csuge\_all.txt

**Data Source:** This is the official data as approved by the California State University Office of the Chancellor and maintained by ASSIST Central Services.

**Comments:** This file includes a separate row of output for each version of a course name, title and/or units. The beginning and ending terms of each record indicate the period in which the respective course can be used for the given CSU GE/Breadth code. Courses with multiple CSU GE/Breadth codes will have a separate record for each code in which the course is applicable as the beginning and ending terms may be different for each CSU GE/Breadth code. This file includes courses that are also in other files.

An additional sort value for this data is the CSU-GE/ Breadth code.

Note: Data Elements marked with an asterisk (\*), taken together, can be used to uniquely identify each record.

Pos.	Field	Description
1*	<b>Institution-Code</b>	<p><b>Description:</b> Educational Testing Service (ETS) institution code.</p> <p><b>Comments:</b> This is a six-digit code.</p> <p><b>Values:</b> Any valid ETS code that has been registered with ASSIST Central Services.</p>
2*	<b>Course-Prefix</b>	<p><b>Description:</b> Discipline abbreviation of the course. For example: MATH. Together, the Course-Prefix and Course-Number comprise the course name.</p> <p><b>Comments:</b> Course prefixes in the ASSIST database may differ from the format of course names as they appear on computer-produced transcripts or catalogs from the institution. Each institution is responsible for defining and updating the course prefixes they use.</p> <p><b>Values:</b> The length of any course prefix can vary depending on what each institution uses, however, there are currently no local course prefixes in ASSIST that exceed 13 characters in length.</p>
3*	<b>Course-Number</b>	<p><b>Description:</b> Number information for the course, including any number prefix and number suffix. For example: 101, 10A, or V12H. Together, the Course-Prefix and Course-Number, concatenated with a space between them, comprise the course name.</p> <p><b>Comments:</b> Course number information in the ASSIST database may differ from the format of course numbers as they appear on computer-produced transcripts or catalogs from the institution. However, course numbers from ASSIST can be matched with course numbers on transcripts using a simple algorithm that the campus can write based on the following information. To match course numbers between ASSIST extracts and transcripts, either the ASSIST course number information can be expanded (e.g., with extra spaces or leading zeros) or the transcript course number information can be reduced (e.g., by eliminating redundant spaces or leading zeros). This work must be done by the campus using the extract data.</p> <p><b>Values:</b> The length of any course number can vary depending on what each institution uses.</p>
4*	<b>CSU-GE-Certification-Code</b>	<p><b>Description:</b> The area of CSU-GE/Breadth Certification applicability for a specified course.</p> <p><b>Comments:</b> The following are the valid area codes and their respective descriptions. Information following the hyphen is not part of the data, but rather a description of that data value.</p> <p><b>Values:</b></p> <ul style="list-style-type: none"> <li>A1 – Oral Communication</li> <li>A2 – Written Communication</li> <li>A3 – Critical Thinking</li> <li>B1 – Physical Science</li> <li>B2 – Life Science</li> <li>B3 – Laboratory Activity</li> <li>B4 – Mathematics/Quantitative Reasoning</li> <li>C1 – Arts {Art, Dance, Music, Theater}</li> <li>C2 – Humanities {Literature, Philosophy, Languages Other than English}</li> <li>D – Social Sciences</li> <li>D0 – Sociology and Criminology</li> <li>D1 – Anthropology and Archeology</li> <li>D2 – Economics</li> <li>D3 – Ethnic Studies</li> <li>D4 – Gender Studies</li> <li>D5 – Geography</li> <li>D6 – History</li> <li>D7 – Interdisciplinary Social or Behavioral Science</li> <li>D8 – Political Science, Government and Legal Institutions</li> <li>D9 – Psychology</li> <li>E – Lifelong Understanding and Self-Development</li> </ul>

		F – Ethnic Studies
5*	<b>Beginning-Term</b>	<p><b>Description:</b> The beginning term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> The beginning term for some courses indicates the first term the course was represented in ASSIST. The institution may have actually begun teaching this course prior to the indicated Beginning-Term.</p> <p><b>Values:</b>          yyyy01          yyyy04          yyyy07          yyyy10          000000 (No beginning term is defined – correlated with Fall 1950 in the data)</p>
6	<b>Ending-Term</b>	<p><b>Description:</b> The ending term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> Values for this element in some extract files may not be 100% accurate as it may be deduced (by the extract program) from the academic year of a file in which the course is stored.</p> <p><b>Values:</b>          yyyy01          yyyy04          yyyy07          yyyy10          999999 (No ending term is defined – correlated with Fall 2070 in the data)</p>
7	<b>Course-Title</b>	<p><b>Description:</b> Descriptive, textual title of a course. For example: Physical Anthropology.</p> <p><b>Comments:</b> Course titles included in these extract specifications are not expected to be used during any automated evaluations. They are included to aid in problem solving and human interpretation of data. Course titles in ASSIST are not expected or required to match with computer-produced transcripts.</p> <p><b>Values:</b> There is no standard format, length, or character limit for valid course titles.</p>
8	<b>Course-Units (Min)</b>	<p><b>Description:</b> The minimum units of credit the student receives upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
9	<b>Course-Units (Max)</b>	<p><b>Description:</b> The maximum units of credit the student could receive upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>



10	<b>Unit-Type</b>	<p><b>Description:</b> Specifies whether the institution uses the quarter or semester system, and therefore provides information for interpreting unit values.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> Q – Quarter S – Semester</p>
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## File #5: CSU US History, Constitution and American Ideals Courses

**Description:** This extract file includes data on all community college courses that have been approved for use toward the CSU graduation requirement in US History, Constitution and American Ideals.

**File Name and Format:** YYMMDD\_csuai\_all.txt

**Data Source:** These are the official data as approved by the California State University Office of the Chancellor and maintained by ASSIST Central Services.

**Comments:** This file includes a separate row of output for each version of a course name, title and/or units. The beginning and ending terms of each record indicate the period in which the respective course can be used for the given CSU US History, Constitution and American Ideals (CSU-AI) qualification. Courses with multiple qualifications will have a separate record for each qualification as the beginning and ending terms may vary for each individual qualification. This file includes courses which are also in other files.

An additional sort value for this data is the CSU-AI code.

*Note: Data Elements marked with an asterisk (\*), taken together, can be used to uniquely identify each record.*

Pos.	Field	Description
1*	<b>Institution-Code</b>	<p><b>Description:</b> Educational Testing Service (ETS) institution code.</p> <p><b>Comments:</b> This is a six-digit code.</p> <p><b>Values:</b> Any valid ETS code that has been registered with ASSIST Central Services.</p>
2*	<b>Course-Prefix</b>	<p><b>Description:</b> Discipline abbreviation of the course. For example: MATH. Together, the Course-Prefix and Course-Number comprise the course name.</p> <p><b>Comments:</b> Course prefixes in the ASSIST database may differ from the format of course names as they appear on computer-produced transcripts or catalogs from the institution. Each institution is responsible for defining and updating the course prefixes they use.</p> <p><b>Values:</b> The length of any course prefix can vary depending on what each institution uses, however, there are currently no local course prefixes in ASSIST that exceed 13 characters in length.</p>
3*	<b>Course-Number</b>	<p><b>Description:</b> Number information for the course, including any number prefix and number suffix. For example: 101, 10A, or V12H. Together, the Course-Prefix and Course-Number, concatenated with a space between them, comprise the course name.</p> <p><b>Comments:</b> Course number information in the ASSIST database may differ from the format of course numbers as they appear on computer-produced transcripts or catalogs from the institution. However, course numbers from ASSIST can be matched with course numbers on transcripts using a simple algorithm that the campus can write based on the following information. To match course numbers between ASSIST extracts and transcripts, either the ASSIST course number information can be expanded (e.g., with extra spaces or</p>



		<p>leading zeros) or the transcript course number information can be reduced (e.g., by eliminating redundant spaces or leading zeros). This work must be done by the campus using the extract data.</p> <p><b>Values:</b> The length of any course number can vary depending on what each institution uses.</p>
4*	<b>CSU-AI-Code</b>	<p><b>Description:</b> The area of CSU US History, Constitution and American Ideals applicability for a specified course.</p> <p><b>Comments:</b> The following are the valid codes and their respective descriptions. Information following the hyphen is not part of the data, but rather a description of that data value.</p> <p><b>Values:</b>          US-1 – American History          US-2 – US Constitution and Government          US-3 – California State and Local Government</p>
5*	<b>Beginning-Term</b>	<p><b>Description:</b> The beginning term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> The beginning term for some courses indicates the first term the course was represented in ASSIST. The institution may have actually begun teaching this course prior to the indicated Beginning-Term.</p> <p><b>Values:</b>          yyyy01          yyyy04          yyyy07          yyyy10          000000 (No beginning term is defined – correlated with Fall 1950 in the data)</p>
6	<b>Ending-Term</b>	<p><b>Description:</b> The ending term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.</p> <p><b>Comments:</b> Values for this element in some extract files may not be 100% accurate as it may be deduced (by the extract program) from the academic year of a file in which the course is stored.</p> <p><b>Values:</b>          yyyy01          yyyy04          yyyy07          yyyy10          999999 (No ending term is defined – correlated with Fall 2070 in the data)</p>
7	<b>Course-Title</b>	<p><b>Description:</b> Descriptive, textual title of a course. For example: Physical Anthropology.</p> <p><b>Comments:</b> Course titles included in these extract specifications are not expected to be used during any automated evaluations. They are included to aid in problem solving and human interpretation of data. Course titles in ASSIST are not expected or required to match with computer-produced transcripts.</p> <p><b>Values:</b> There is no standard format, length, or character limit for valid course titles.</p>
8	<b>Course-Units (Min)</b>	<p><b>Description:</b> The minimum units of credit the student receives upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If</p>

		<p>the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
9	<b>Course-Units (Max)</b>	<p><b>Description:</b> The maximum units of credit the student could receive upon completing the course.</p> <p><b>Comments:</b> Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.</p> <p><b>Values:</b> Any non-negative real number. Decimal points are supplied explicitly.</p>
10	<b>Unit-Type</b>	<p><b>Description:</b> Specifies whether the institution uses the quarter or semester system, and therefore provides information for interpreting unit values.</p> <p><b>Comments:</b> None.</p> <p><b>Values:</b> Q – Quarter S – Semester</p>

## File #6: CSU and UC Courses Referenced in Articulation Agreements (Future Release)

This file is not yet available. Please refer to the [ASSIST Resource Center Data](#) page for updates.

## File #7: Course-to-Course-Articulation (Future Release)

This file is not yet available. Please refer to the [ASSIST Resource Center Data](#) page for updates.

## Section 3 - Definition of Data Elements

The following are definitions of each data element. Many of these appear in multiple files.

### Institution-Code

**Description:** Educational Testing Service (ETS) institution code.

**Comments:** This is a six-digit code.

**Values:** Any valid ETS code that has been registered with ASSIST Central Services.

### Course-Prefix

**Description:** Discipline abbreviation of the course. For example: MATH. Together, the Course-Prefix and Course-Number comprise the course name.

**Comments:** Course prefixes in the ASSIST database may differ from the format of course names as they appear on computer-produced transcripts or catalogs from the institution. Each institution is responsible for defining and updating the course prefixes they use.

**Values:** The length of any course prefix can vary depending on what each institution uses, however, there are currently no local course prefixes in ASSIST that exceed 13 characters in length.

## Course-Number

**Description:** Number information for the course, including any number prefix and number suffix. For example: 101, 10A, or V12H. Together, the Course-Prefix and Course-Number, concatenated with a space between them, comprise the course name.

**Comments:** Course number information in the ASSIST database may differ from the format of course numbers as they appear on computer-produced transcripts or catalogs from the institution. However, course numbers from ASSIST can be matched with course numbers on transcripts using a simple algorithm that the campus can write based on the following information. To match course numbers between ASSIST extracts and transcripts, either the ASSIST course number information can be expanded (e.g., with extra spaces or leading zeros) or the transcript course number information can be reduced (e.g., by eliminating redundant spaces or leading zeros). This work must be done by the campus using the extract data.

**Values:** The length of any course number can vary depending on what each institution uses.

## Beginning-Term

**Description:** The beginning term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.

**Comments:** The beginning term for some courses indicates the first term the course was represented in ASSIST. The institution may have actually begun teaching this course prior to the indicated Beginning-Term.

**Values:**

- yyyy01
- yyyy04
- yyyy07
- yyyy10
- 000000 (No beginning term is defined – correlated with Fall 1950 in the data)

## Ending-Term

**Description:** The ending term of the information expressed as a 4-digit year followed by a 2-digit term (10 = Fall, 01 = Winter, 04 = Spring, 07 = Summer). For example: 199704 represents Spring '97. Maximum length: 6 characters.

**Comments:** Values for this element in some extract files (e.g., articulation-related data) may be deduced (by the extract program) from the academic year of a file in which the course is stored.

**Values:**

- yyyy01
- yyyy04
- yyyy07
- yyyy10
- 999999 (No ending term is defined – correlated with Fall 2070 in the data)

## Course-Title

**Description:** Descriptive, textual title of a course. For example: Physical Anthropology.

**Comments:** Course titles included in these extract specifications are not expected to be used during any automated evaluations. They are included to aid in problem solving and human interpretation of data. Course titles in ASSIST are not expected or required to match with computer-produced transcripts.

**Values:** There is no standard format, length, or character limit for valid course titles.

## Course-Units (Min)

**Description:** The minimum units of credit the student receives upon completing the course.

**Comments:** Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.

**Values:** Any non-negative real number. Decimal points are supplied explicitly.

## Course-Units (Max)

**Description:** The maximum units of credit the student could receive upon completing the course.

**Comments:** Refer to the Unit-Type data element to determine whether the Course-Units refers to quarter or semester units. Since a variable number of units can often be received for completing a course, this data element always occurs twice — once to express the minimum number of units that can be earned, and again to express the maximum units. If the minimum and maximum are the same, the course can only be taken for a fixed number of units.

**Values:** Any non-negative real number. Decimal points are supplied explicitly.

## Unit-Type

**Description:** Specifies whether the institution uses the quarter or semester system, and therefore provides information for interpreting unit values.

**Comments:** None.

**Values:**

- Q – Quarter
- S – Semester

## UC-Credit-Limit-Flag

**Description:** Indicates if a credit limit applies to a given course.

**Comments:** If a credit limit does apply, it is expressed as textual information in the source data (UC Transfer Course Agreements on [www.assist.org](http://www.assist.org)) in the form of a UC Note located directly under the course, and/or a UC Footnote located at the end of each related department or prefix on the UC course lists. This textual information is not included in the extract.

**Values:**

- Y – Yes
- N – No

## UC-Eligibility-Code

**Description:** Courses marked with “B”, “E”, “H”, “M”, or “S” will satisfy the applicable area(s) of the transfer course requirements.

**Comments:** Information following the hyphen is not part of the data, but rather a description of that data value. Multiple codes can apply to the same course. When this occurs each code is included with all codes concatenated together with no separators.

**Values:**

- B – Social and Behavioral Sciences

- E – English Composition
- H – Arts and Humanities
- M – Mathematical Concepts and Quantitative Reasoning
- S – Physical and Biological Sciences

## IGETC-Code

**Description:** The area of IGETC applicability for a specified course.

**Comments:** The following are the valid area codes and their respective descriptions. Information following the hyphen is not part of the data, but rather a description of that data value.

**Values:**

- 1A – English Composition
- 1B – Critical Thinking - English Composition
- 1C – Oral Communication {CSU requirement only}
- 2A – Math
- 3A – Arts
- 3B – Humanities
- 4 – Social Sciences
- 4A – Anthropology and Archaeology
- 4B – Economics
- 4C – Ethnic Studies
- 4D – Gender Studies
- 4E – Geography
- 4F – History
- 4G – Interdisciplinary, Social & Behavioral Sciences
- 4H – Political Science, Government & Legal Institutions
- 4I – Psychology
- 4J – Sociology & Criminology
- 5A – Physical Science
- 5B – Biological Science
- 5C – Science Laboratory
- 6A – Language Other Than English
- 7 – Ethnic Studies
- 8A – Critical Thinking
- 8B – English Composition
- 8C – English Composition – 2<sup>nd</sup> Quarter

## CSU-GE-Certification-Code

**Description:** The area of CSU-GE/Breadth Certification applicability for a specified course.

**Comments:** The following are the valid area codes and their respective descriptions. Information following the hyphen is not part of the data, but rather a description of that data value.

**Values:**

- A1 – Oral Communication
- A2 – Written Communication
- A3 – Critical Thinking
- B1 – Physical Science
- B2 – Life Science
- B3 – Laboratory Activity

- B4 – Mathematics/Quantitative Reasoning
- C1 – Arts {Art, Dance, Music, Theater}
- C2 – Humanities {Literature, Philosophy, Languages Other than English}
- D – Social Sciences
- D0 – Sociology and Criminology
- D1 – Anthropology and Archeology
- D2 – Economics
- D3 – Ethnic Studies
- D4 – Gender Studies
- D5 – Geography
- D6 – History
- D7 – Interdisciplinary Social or Behavioral Science
- D8 – Political Science, Government and Legal Institutions
- D9 – Psychology
- E – Lifelong Understanding and Self-Development
- F – Ethnic Studies

## CSU-AI-Code

**Description:** The area of CSU US History, Constitution and American Ideals applicability for a specified course.

**Comments:** The following are the valid codes and their respective descriptions. Information following the hyphen is not part of the data, but rather a description of that data value.

**Values:**

- US-1 – American History
- US-2 – US Constitution and Government
- US-3 – California State and Local Government