

# **Student Interface Data Element Definitions (input to University Directory)**

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*DRAFT*

The following lists data element definitions for each record on the Student Interface file.

*note:* Header and Trailer record data element definitions are therefore included and are explicitly referenced as such, i.e., unless otherwise expressly indicated, the definition is for a field on the Data portion of the interface and not a Header or Trailer field.

**INTERFACE DATA ELEMENT:** Header Record Code (on Header)

**VALID VALUES:** 'H'

**COMMENTS:** only applicable to the Header record

**TYPE:** character

**LENGTH:** 1

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** Code indicating student interface file Header record.

**CODE INTERPRETATION:** 'H' - Header record

**INTERFACE DATA ELEMENT:** Student Location Code (on Header)

**VALID VALUES:** '01' - '09'

**COMMENTS:** only applicable to the Header record

**TYPE:** character

**LENGTH:** 2

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** Code indicating student interface file campus source.

**CODE INTERPRETATION:** '01' - UC Berkeley  
'02' - UC San Francisco  
'03' - UC Davis  
'04' - UC Los Angeles  
'05' - UC Riverside  
'06' - UC San Diego  
'07' - UC Santa Cruz  
'08' - UC Santa Barbara  
'09' - UC Irvine

**INTERFACE DATA ELEMENT:** Header File Name (on Header)

**VALID VALUES:** 'UDIRSTUD'

**COMMENTS:** only applicable to the Header record

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** Name identifying student interface file.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Header Creation Date (on Header)

**VALID VALUES:**

**COMMENTS:** only applicable to the Header record

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:** yyyyymmdd where:  
yyyy - 4 digit year  
mm - 2 digit month ('01' - '12')  
dd - 2 digit day ('01' - '31')

**GENERAL DESCRIPTION:** Date student interface file created.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Trailer Record Code (on Trailer)

**VALID VALUES:** 'T'

**COMMENTS:** only applicable to the Trailer record

**TYPE:** character

**LENGTH:** 1

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** Code indicating student interface file Trailer record.

**CODE INTERPRETATION:** 'T' - Trailer record

**INTERFACE DATA ELEMENT:** Student Location Code (on Trailer)

**VALID VALUES:** '01' - '09'

**COMMENTS:** only applicable to the Trailer record

**TYPE:** character

**LENGTH:** 2

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** Code indicating student interface file campus source.

**CODE INTERPRETATION:** '01' - UC Berkeley  
'02' - UC San Francisco  
'03' - UC Davis  
'04' - UC Los Angeles  
'05' - UC Riverside  
'06' - UC San Diego  
'07' - UC Santa Cruz  
'08' - UC Santa Barbara  
'09' - UC Irvine

**INTERFACE DATA ELEMENT:** File Name (on Trailer)

**VALID VALUES:** 'UDIRSTUD'

**COMMENTS:** only applicable to the Trailer record

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** Name identifying student interface file.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Data Record Count (on Trailer)

**VALID VALUES:**

**COMMENTS:** only applicable to the Trailer record

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:** pad figure with leading zeroes

**GENERAL DESCRIPTION:** Record count of all data records only (excludes Header and Trailer records); thus, actual total interface file record count is this value plus 2

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Student Location Code

**VALID VALUES:** '01' - '09'

**COMMENTS:**

**TYPE:** character

**LENGTH:** 2

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** This is the code indicating student interface file campus source.

**CODE INTERPRETATION:**

- '01' - UC Berkeley
- '02' - UC San Francisco
- '03' - UC Davis
- '04' - UC Los Angeles
- '05' - UC Riverside
- '06' - UC San Diego
- '07' - UC Santa Cruz
- '08' - UC Santa Barbara
- '09' - UC Irvine

**INTERFACE DATA ELEMENT:** Student ID (Registration Number)

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 40

**FORMATTING NOTES:** one-way hashed value without blanks

**GENERAL DESCRIPTION:** This is the code identifying a student at a campus.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT: UC Student Vendor ID**

**VALID VALUES:**

**COMMENTS:** as of the date of the initial specification distribution, the UC Student Vendor is the Educational Testing Service (ETS)

**TYPE:** character

**LENGTH:** 7

**FORMATTING NOTES:** use all blanks for non-undergraduates or if not available for continuing undergraduates

**GENERAL DESCRIPTION:** This is the code assigned by the UC Student Vendor to uniquely identify an undergraduate applicant.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Social Security Number (SSN)

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 40

**FORMATTING NOTES:** one-way hashed value without blanks, if none, then use blanks

**GENERAL DESCRIPTION:** This is the Social Security Number, often referenced as SSN, of the student submitted on the student interface. Though passed as an encrypted value, the input value to the one-way hash algorithm should contain legal SSN values as defined by the Social Security Administration, i.e., illegal or campus system-defined temporary values should not be passed other than as blanks

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT: Campus ID**

**VALID VALUES:**

**COMMENTS:** this is an optional field

**TYPE:** character

**LENGTH:** 32

**FORMATTING NOTES:** left-justify if less than 32 characters and pad with trailing blanks; if none, then use all blanks

**GENERAL DESCRIPTION:** The Campus ID is an attempt to provide a campuswide unique value, analogous in function to the objective of theNet ID which attempts to provide a universitywide unique value. The Campus ID on this interface is an optional field to accommodate the potential need of campuses who are in the process of implementing such a campuswide unique value, but also allow those who have not or plan not to implement such a field.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT: Net ID**

**VALID VALUES:**

**COMMENTS:** this is an optional field

**TYPE:** character

**LENGTH:** 10

**FORMATTING NOTES:** left-justify if less than 10 characters and pad with trailing blanks; if none, then use all blanks

**GENERAL DESCRIPTION:** The Net ID is an attempt to provide a universitywide unique value. It is an optional field on the interface and accommodates the potential need of campuses who have modified their student systems to house this value and are able to pass it on the interface.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Attribute Services Release Flag

**VALID VALUES:** 'Y', 'N'

**COMMENTS:**

**TYPE:** character

**LENGTH:** 1

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** This release flag field indicates whether “attribute services” are permitted (Y) or not (N) for the following fields: Student Location Code, Net ID, Student Type, Student Status, Student Term Begin Date, Student Term End Date, Student Term Eligibility Begin Date, Student Term Eligibility End Date.

**CODE INTERPRETATION:** 'Y' - "attribute services" are permitted  
'N' - "attribute services" are not permitted

**INTERFACE DATA ELEMENT:** Student Last Name

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 40

**FORMATTING NOTES:** left-justify if less than 40 characters and pad with trailing blanks; mixed case format allowed

**GENERAL DESCRIPTION:** This is the last name of the student.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Student First Name (middle)

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 40

**FORMATTING NOTES:** left-justify if less than 40 characters and pad with trailing blanks; mixed case format allowed

**GENERAL DESCRIPTION:** This is the first name of the student. The middle name and/or simply the middle initial may also optionally be passed after the first name.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Student Type

**VALID VALUES:** 'U', 'M', 'D', 'P', 'X'

**COMMENTS:**

**TYPE:** character

**LENGTH:** 1

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** This field indicates the type of student as defined below.

**CODE INTERPRETATION:** 'P' - Professional Schools, e.g., DDS, JD, MD  
'G' - Graduate  
'U' - Undergraduate  
'E' - Extension  
'X' - other, e.g., official on-leave, post docs, medical residents (health science campuses)

note: if a student concurrently has multiple Student Type values and has the same Student ID, then, the above listing of values should also be used to determine which value should be passed on the student's single record; for example, if a student is both a Graduate student and an Undergraduate student with the same Student ID then the single record passed on the interface should pass a Student Type value of 'G'; thus, 'P' represents the "highest" value and 'X' represents the "lowest" value in terms of addressing this issue

**INTERFACE DATA ELEMENT: Student Status**

**VALID VALUES:** 'A', 'R', 'B', 'W', 'F'

**COMMENTS:**

**TYPE:** character

**LENGTH:** 1

**FORMATTING NOTES:**

**GENERAL DESCRIPTION:** This field indicates the status of the student as defined below.

**CODE INTERPRETATION:**

- 'A' - Admitted, which includes those students who have been admitted to a campus, but who are not yet defined as being "registered"
- 'R' - Registered, which includes those students who have paid their registration fees for the current term, but may also includes other criteria, e.g., enrolled, has no registration blocks
- 'B' - Blocked, which includes those students who may have been originally defined as "registered", but who have subsequently had a "block" or "hold" placed on them
- 'W' - Withdrawn, which includes those students who may have been originally defined as "registered", but who have subsequently withdrawn
- 'F' - Filing Fee, which includes those students not technically defined as "registered", but who are entitled to similar services

**INTERFACE DATA ELEMENT:** Student Term Begin Date

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:** yyyymmdd where:  
yyyy - 4 digit year  
mm - 2 digit month ('01' - '12')  
dd - 2 digit day ('01' - '31')

**GENERAL DESCRIPTION:** This field is the date that the student's term begins.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Student Term End Date

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:** yyyyymmdd where:  
yyyy - 4 digit year  
mm - 2 digit month ('01' - '12')  
dd - 2 digit day ('01' - '31')

**GENERAL DESCRIPTION:** This field is the date that the student's term ends.

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Student Term Begin Eligibility Date

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:** yyyyymmdd where:  
yyyy - 4 digit year  
mm - 2 digit month ('01' - '12')  
dd - 2 digit day ('01' - '31')

**GENERAL DESCRIPTION:** This date field allows campuses who wish to effect a "grace period" for potential services to be started prior to the official start of the term; this may most commonly be used for newly entering students rather than continuing students; for those campuses not wishing to effect such a "grace period", then the same value passed in the Student Term Begin Date field should be passed

**CODE INTERPRETATION:**

**INTERFACE DATA ELEMENT:** Student Term End Eligibility Date

**VALID VALUES:**

**COMMENTS:**

**TYPE:** character

**LENGTH:** 8

**FORMATTING NOTES:** yyyyymmdd where:  
yyyy - 4 digit year  
mm - 2 digit month ('01' - '12')  
dd - 2 digit day ('01' - '31')

**GENERAL DESCRIPTION:** This date field allows campuses who wish to effect a "grace period" for potential services to be extended, though the term may have actually ended; this may most commonly be used for continuing students rather than for new entering students; for those campuses not wishing to effect such a "grace period", then the same value passed in the Student Term End Date field should be passed

**CODE INTERPRETATION:**