

PS89 Program/Plan Conversion Plan

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Summary

The Program/Plan stack is an important piece of PS functionality that tracks students' progress from being admitted to graduating. It keeps track of students' majors, minors, etc. Some key PS terms in the Program/Plan stack are:

- *Academic Career* (or simply Career) is a grouping of Academic Programs under which all of a student's statistics such as GPA are consolidated. Examples in Cornell's database include Undergraduate and Graduate.
- *Academic Program* (or simply Program) is the organization that a student is admitted to and graduates from. Examples in Cornell's database include Communications (which is in the Graduate Career), Arts and Sciences (which is in the Undergraduate Career), and Humanities (which is in the Graduate Career).
- *Academic Plan* (or simply Plan) is a student's major, minor, or concentration. Examples in Cornell's database include Civil Engineering, Animal Science, and Sociology.

Any time a change is made to a student's Career, Program, or Plan, that change is made by adding a new, effective-dated row to the Program/Plan stack. This includes changes in status, such as admission, leaves of absence, and graduation. When a student graduates, their Program/Plan stack is "completed." Please note that degree information will be converted in the same conversion program as Program/Plan information, but the conversion specifications have been separated for clarity.

Assumptions

In addition to the Assumptions listed in the main Conversion Plan document, the following has been assumed in the creation of this document:

- Historical Plan changes will not be converted, as they do not appear on the transcript.
- Historical Programs will be converted.
- Any leaves of absence and withdrawals from school, because they appear on the transcript.
- The student's current Plan at the time of any of these changes will be converted. Note that this information will still be available through SRDM (Determination of what pieces of Legacy SRDM will remain after GO LIVE TERM are still being discussed.) .
- Minors that were posted in the Notes section of SIS will be converted with any other notes as Transcript Text, and not copied or moved elsewhere in PS.
- Internal Transfer Division is referred in SIS as college 'UN' (a.k.a 'UNCLASSIFIED'). Conversion is mapping STDT_COLLEGE_MAJOR.COLLEGE of 'UN' to the Academic Career of 'UG'. There is no special processing required for ITD.

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Input Data Extract Files

STDT_COLLEGE_MAJOR
STDT_S_COLLEGE_MAJOR

Input Staging Tables

STDT_COLLEGE_MAJOR
STDT_S_COLLEGE_MAJOR

Cleanup Utilities.

To revert or Rollback the process the Cleanup utility is located in the following location.

\\CITFS\files\server\projects\p2k\psoft 8\Student Records\Student Records Conversion\Conversion Programs\SRCNV Convert Legacy Data\Cleanup\SRCNV05 Cleanup.SQL

Tables into which data will be converted

This section will list the PS records into which data will be converted. A summary description of the data held in the record will be given, as well as a listing of all fields in the record and how they will be filled in, be it by converting data from SIS or through the use of a default. Unless indicated otherwise, the fields are listed in the order they appear in the PS record.

STDNT_CAREER:

The STDNT_CAREER record is the parent record of the Program/Plan stack, and only holds basic information. One row will be added into this table for each career in which the student has studied. The fields in STDNT_CAREER are as follows:

EMPLID (PS_STDNT_CAREER) Key
ID: set to STDT_S_COLL_MAJOR .EMPLID

ACAD_CAREER (PS_STDNT_CAREER) Key
Career: STDT_S_COLL_MAJOR.S-COLLEGE from SIS will be used to find the ACAD_CAREER in PS. STDT_S_COLL_MAJOR.S-COLLEGE will be mapped to ACAD_CAREER in CU_SA_MAPPING_TBL. Derived from STDT_S_COLL_MAJOR .COLLEGE – if the two are different, multiple rows will be inserted.

CAR_REQ_TERM (PS_STDNT_CAREER) Key
Career Requirement Term: this will not be used in conversion. Set to the default, blank.

STDNT_CAR_SEQ:

The STDNT_CAR_SEQ record is a child of STDNT_CAREER, and only holds basic information. The most important field in this table is the Career Number. The fields in STDNT_CAR_SEQ are as follows:

EMPLID (PS_STDNT_CAR_SEQ) Key
ID: set to STDT_S_COLL_MAJOR .EMPLID

ACAD_CAREER (PS_STDNT_CAR_SEQ) Key
Career: STDT_S_COLL_MAJOR.S-COLLEGE from SIS will be used to find the ACAD_CAREER in PS. STDT_S_COLL_MAJOR.S-COLLEGE will be mapped to ACAD_CAREER in CU_SA_MAPPING_TBL. Derived from STDT_S_COLL_MAJOR .COLLEGE – if the two are different, multiple rows will be inserted.
(Xlate Table – Acad_Career)

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STDNT_CAR_NBR (PS_STDNT_CAR_SEQ) Key

Career Number: sequential number, starting with 0. 1 should be added to this number every time a student graduates from one Program or set of Programs and then begins another in the same Career.
(*Prompt Table – Term_Val_Tbl*)

ACAD_PROG:

The ACAD_PROG record is a child of STDNT_CAR_SEQ, and holds a lot of key information on a student's program history. A key piece of information held in this table is the Program Action and the Program Status, both of which are used to track the changes in a student's Program/Plan stack over time. The fields in ACAD_PROG are as follows:

EMPLID (PS_ACAD_PROG) Key

ID: set to STDT_S_COLL_MAJOR.EMPLID

ACAD_CAREER (PS_ACAD_PROG) Key

Career: Historical terms will use STDT_S_COLL_MAJOR.S-COLLEGE to map to ACAD_CAREER in the CU_SA_MAPPING_TBL. Current terms will use STDT_COLL_MAJOR.COLLEGE to map to ACAD_CAREER in the CU_SA_MAPPING_TBL."
(*Xlate Table – Acad_Career*)

STDNT_CAR_NBR (PS_ACAD_PROG) Key

Career Number: sequential number, starting with 0. 1 should be added to this number every time a student graduates from one Program or set of Programs and then begins another in the same Career.

EFFDT (PS_ACAD_PROG) Key

Effective Date: PS_TERM_TBL.TERM_START_DT for the student's ADMIT_TERM on the first row. TERM_START_DT for the term when a Program Change, RADM, or RLOA takes effect, S_ACTIVITY_EFFECTIVE_DATE for a LEAV or DISC.

EFFSEQ (PS_ACAD_PROG) Key

Sequence Number: this allows PS to track multiple actions on the same date. Start at 0 for each distinct EFFDT and increment by 1 when necessary.

INSTITUTION (PS_ACAD_PROG)

Institution: there is only one institution in Cornell's database. Set to 'CUNIV'.

(*View Uses – Institution_Tbl, Acad_Car_Tbl, Scrtty_Tbl_Inst*)

ACAD_PROG (PS_ACAD_PROG)

Academic Program: "Historical terms will use STDT_S_COLL_MAJOR.S-COLLEGE to map to ACAD_PROG in the CU_SA_MAPPING_TBL. Current terms will use

STDT_COLL_MAJOR.COLLEGE to map to ACAD_PROG in the CU_SA_MAPPING_TBL."

If SIS COLLEGE = 'GR' then the program maps the respective 'acad_group' in PS using the mapping table for the COLLEGE || FIELD, Else, the program maps the respective 'acad_group' in PS using the mapping table for the COLLEGE.

(*View Uses - ACAD_PROG_TBL, SCRTY_TBL_PROG*)

PROG_STATUS (PS_ACAD_PROG)

Program Status: derived from PROG_ACTION

PROG_ACTION (PS_ACAD_PROG)

Program Action: set first row to 'ACTV'. When S-ACTIVITY-CODE = L, set it to 'LEAV'. When S-ACTIVITY-CODE = W, set it to 'DISC'.

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(View Uses - SCRTY_PROG_ACTN, PROG_ACTION_TBL)

ACTION_DT (PS_ACAD_PROG)

Action Date: this allows PS to track not only the date on which a change becomes effective, but also the date on which it happened. Set to the CONVERSION DATE.

PROG_REASON (PS_ACAD_PROG)

Action Reason: set to 'CONV' for anything but an action of LEAV or DISC, S-ACTIVITY-CODE-REASON for those actions.

(Prompt Table – Prog_Rsn_Tbl)

ADMIT_TERM (PS_ACAD_PROG)

Admit Term: STRM field values from STDT_S_COLL_MAJOR as this value is already derived in the Term/Year Mapping Conversion (SRCNV01) for all rows but current. For current, derive from MATRIC-STRM in STUDENT_DEMO staging table. This field is already populated with values when SRCNV01 process is run.

(Prompt Table – Term_Tbl)

EXP_GRAD_TERM (PS_ACAD_PROG)

Expected Graduation Term: set to the default, blank, for all rows but the current row, derive from EXP_GRAD_TERM & EXP_GRAD_YEAR for current.

(Prompt Table – Term_Tbl)

REQ_TERM (PS_ACAD_PROG)

Requirement Term: same as ADMIT_TERM for all rows but current. For current row, derive from ENTERING_TERM & ENTERING_YEAR

(Prompt Table – Term_Tbl)

ACAD_LOAD_APPR (PS_ACAD_PROG)

Approved Academic Load: SIS does not have an equivalent to this field. Set to the default, Full-Time ('F'). Note that this does not in any way indicate a student's actual status in any term – it merely indicates that they are *approved* to take classes full-time.

CAMPUS (PS_ACAD_PROG)

Campus: only one campus will be used in conversion. Set to 'MAIN'.

(View Uses - HOME_CAMPUS_TBL, CAMPUS_TBL)

DEGR_CHKOUT_STAT (PS_ACAD_PROG)

Degree Checkout Status: this field will be set as appropriate when converting degrees. Set to the default, blank.

COMPLETION_TERM (PS_ACAD_PROG)

Completion Term: this field will be set as appropriate when converting degrees. Set to the default, blank.

(Prompt Table – Term_Tbl)

ACAD_PROG_DUAL (PS_ACAD_PROG)

Dual Academic Program: this functionality will not be used in conversion. Set to the default, blank.

(Prompt Table – Acad_Prog_Tbl)

JOINT_PROG_APPR (PS_ACAD_PROG)

Joint Program Approved: this functionality will not be used in conversion. Set to the default, No ('N').

ADM_APPL_NBR (PS_ACAD_PROG)

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Admission Application Nbr: there will not be Admission Applications that correspond to conversion Program/Plan stacks. Set to the default, blank (this is actually a character field, not numeric).

APPL_PROG_NBR (PS_ACAD_PROG)

Application Program Nbr: there will not be Admission Applications that correspond to conversion Program/Plan stacks. Set to the default, 0

DATA_FROM_ADM_APPL (PS_ACAD_PROG)

Data From Admission Application: there will not be Admission Applications that correspond to conversion Program/Plan stacks. Set to the default, No ('N').

ACAD_PLAN:

The ACAD_PLAN record is a child of ACAD_PROG, and holds information on a student's Academic Plans. The fields in ACAD_PLAN are as follows:

EMPLID (PS_ACAD_PLAN) Key

ID: set to STDT_S_COLL_MAJOR.EMPLID

ACAD_CAREER (PS_ACAD_PLAN) Key

Career: STDT_S_COLL_MAJOR.S-COLLEGE from SIS will be used to find the ACAD_CAREER. STDT_S_COLL_MAJOR will be mapped to ACAD_CAREER in the CU_SA_MAPPING_TBL."
(*Xlate Table – Acad_Career*)

STDNT_CAR_NBR (PS_ACAD_PLAN) Key

Career Number: sequential number, starting with 0. 1 should be added to this number every time a student graduates from one Program or set of Programs and then begins another in the same Career.

EFFDT (PS_ACAD_PLAN) Key

Effective Date: PS_TERM_TBL.TERM_START_DT for the student's ADMIT_TERM on the first row. TERM_START_DT for the term when a Program Change, RADM, or RLOA takes effect, S_ACTIVITY_EFFECTIVE_DATE for a LEAV or DISC.

EFFSEQ (PS_ACAD_PLAN) Key

Sequence Number: this allows PS to track multiple actions on the same date. Start at 0 for each distinct EFFDT and increment by 1 when necessary.

ACAD_PLAN (PS_ACAD_PLAN) Key

Academic Plan: derived from STDT_S_COLL_MAJOR.S_MAJOR for all rows but current, STDT_S_COLL_MAJOR.MAJOR for current.
The above field values are mapped against 'acad_plan' values in CU_SA_MAPPING_TBL to find the respective ACAD_PLAN in PS
(*View Uses - ACAD_PROG_TBL, ACAD_PLAN_TBL*)

DECLARE_DT (PS_ACAD_PLAN)

Declare Date: same as EFFDT

PLAN_SEQUENCE (PS_ACAD_PLAN)

Sequence Nbr: set to 10 on the first row for every combination of EMPLID, ACAD_CAREER, STDNT_CAR_NBR, EFFDT, EFFSEQ, increment by 10 when there are multiple rows with all of those fields the same.

REQ_TERM (PS_ACAD_PLAN)

Requirement Term: set to the same as parent PS_ACAD_PROG.REQ_TERM.
(*Prompt Table – Term_Tbl*)

COMPLETION_TERM (PS_ACAD_PLAN)

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Completion Term: this field will be set as appropriate when converting degrees. Set to the default, blank.

(Prompt Table – Term_Tbl)

STDNT_DEGR (PS_ACAD_PLAN)

Degree Nbr: this field will be set as appropriate when converting degrees. Set to the default, blank.

DEGR_CHKOUT_STAT (PS_ACAD_PLAN)

Degree Checkout Status: this field will be set as appropriate when converting degrees. Set to the default, blank.

ADVIS_STATUS (PS_ACAD_PLAN)

Advising Status: there is no equivalent to this field in SIS. Set to the default, Include ('INCL').

Timeline

Mapping of SIS data to PS data –

Programming –

Testing beginning -

Convert data in --

Conversion programs

SRCNV05.sqr

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Approvals

PS Developer Completed: __Bhanuprakash Kambhampati_____ Date: __1/23/06__

Functional Approval: __Received during worksessions_____ Date: __2/17/06__

Progress

Task	Name	Date Completed
Review PS Program and Update Specification	Bhanuprakash Kambhampati	1/23/06
Minor Changes	Bhanuprakash Kambhampati	02/21/06