Business Intelligence & Predictive Modeling (BIPM)
Unified Student/Course Data System

Integrated Student Lifecycle History

- **Incoming**
  - inquiries
  - applications

- **Inprocess**
  - Student registration
  - Course activity

- **Outgoing**
  - Degrees

- **Supplemental Data Sources**
  - Financial Aid
  - Accounts Receivable
  - Housing
  - Payroll
  - Alumni

Horizontal Integration
Vertical Integration
BIPMS Student Core* Tables

Incoming
- inquiries
- applications

Inprocess
- Student registration
- Course activity

Outgoing
- Degrees

Supplemental (SS), Pre-stage (SP), Validation (SV) & Other (SO) Tables (e.g., financial aid, accounts receivable, payroll, graduate appointments, previous institutions, exit survey, housing, attributes, etc)

* Core files (SC) contain base Banner data, managed data columns and may include legacy data
Business Intelligence and Predictive Modeling (BIPM)

SPSS Data-to-Information Processing

Production

ODS

Legacy

Other

SPSS Server

Nightly automated ETL builds

BIPM data

Nightly uploads of model scoring to SORTEST (Banner)

Automated ETL build to non-SPSS data formatted dbo tables for Microsoft Reporting Service Reports

SPSS Server

MS & Oracle dbo

Web reports

SPSS Statistics

Manual ETL builds and development testing

Unit Analyst pulling source data, executing code for object creation & delivery

Objects include reports, analysis, audits, list

Deliverable objects

Open Source development from analyst

BIPM/SPSS Community

Back Office operations | Front Office tasks

SOURCE - CODE - OBJECT

Data to information object process:

Office of Planning & Analysis (OPA)
Source Data

Nightly automated ETL builds

Managed Data

Production

Other

SPSS Server

BIPM

Informatica

Data Warehouse

Report Source Data

Data source for Framework Manager
1 = data warehouse
2 = BIPM
3 = direct from PROD

Report Design & Access

Framework Manager

Report packages

Report Writers

Reports

BIPM uploads to PROD

Office of Planning & Analysis (OPA)
**Student Core Files (SC):**
(Core builds for reporting and analysis providing data at different student/course lifecycles)

- SC_adm_Recruits [srbrrecr recruit related] (2:25am)
- SC_adm_Applications [saradap application related] (2:00am)
- SC_adm_AppProcessed [legacy & banner processed apps] (3:30am)
- SC_STUcur [student current term] (4:50am)
- SC_STU20 [student 20thday]
- SC_STUeot [student end-of-term]
- SC_STUCRscur [student at crn level current term] (4:50am)
- SC_STUCRSeot [student at crn level end-of-term]
- SC_CRScur [course at crn level current term] (4:50am)
- SC_CRS20 [course at crn level 20th day]
- SC_CRSeot [course at crn level end-of-term]
- SC_Degrees [student degrees repeating table] (3:25am Sun)
- SC_Degrees_slotted [student deg non-repeating table] (3:25am Sun)

**Student Reporting Files (SR):**
(data used to feed scheduled reports or Reporting Services)

- SR_adm_AppFreeze_Fall [weekly Fall app freezes] (M 4:30am)
- SR_adm_AppFreeze_Spring [weekly Spring app freezes] (M 4:30am)
- SR_Admin_AppFreeze_Summer [wkly Summer app freezes] (M 4:30am)
- SR_adm_Applications_Errors [daily application errors] (2:20am)
- SR_adm_Recruits_Errors [daily recruit errors] (3:25am)
- SR_Admit_Status [admit status]
- SR_atRisk_CRS [high DF grade courses]
- SR_atRisk_STU [student at risk report] (3:50am)
- SR_GradAppts_app_viol_rpt [app level GA violations] (3:00am)
- SR_GradAppts_stu_viol_rpt [student level GA violations] (3:00am)
- SR_GradAppts_MissnRecsAudit [nbrjobs pwrgact match]
- SR_Camery [camery]
- SR_SESF_Audits [spoken english screening form audit]
- SR_DC_hvac [HVAC forms]
- SR_DC_schedule [course schedules]
- SR_DC_program [programs]
- SR_DC_section [sections]
- SR_AT_Risk [at risk]
- SR_RArcan [student success milestone]
- SR_SFAid [student financial aid]
- SR_raceth_inb [race ethnicity]
- SR_AT_Risk [at risk]
- SR_RArcan [student success milestone]
- SR_SFAid [student financial aid]
- SR_raceth_inb [race ethnicity]

**Student Pre-Stage Files (SP):**
(data used to build CORE tables during ETL execution)

- SP_adm_AppFreeze [weekly refresh app freeze] (M 3:20am)
- SP_adm_AppProcessed_leg [banner apps] (3:30am)
- SP_adm_AppProcessed_inb [legacy apps]
- SP_Degrees_POS_detail_inb [plan of study history] (N 3:25am)
- SP_enrollist_stueot [end of term student enroll hist]
- SP_Faculty_Teaching_History_Legacy [teach hist legacy]
- SP_FinAid_leg [financial aid]
- SP_Payroll_detail [banner payroll detail] (3:00am)
- SP_Payroll_leg [legacy payroll]
- SP_Payroll_leg_detail [legacy payroll detail]
- SP_REGSTUpre20_archive [refresh & archive reg]
- SP_STU20_inb [banner student 20thday]
- SP_STU20_leg [legacy student 20thday]
- SP_STUCRS20_inb [banner stu course end of term]
- SP_STUCRSeot_inb [banner stu course end of term]
- SP_STUeot_inb [banner student end of term]
- SP_STUeot_leg [legacy student end of term]

**Student Other Files (SO & SU):**
(miscellaneous data related tables)

- SO_GradSch_OES [Faculty Oral Exam Survey]
- SO_RevTrf_CommCol [reverse transfer w comm colleges]
- SU_adm_Scores [adm scores upload to Banner 3:55am]
- SU_adm_Scores_wterms [scoresupload to Banner 3:55am]

**Student Confirmation Files (CF):**
(data used to build CORE tables during ETL execution)

- CF_adm_AppFreeze [weekly refresh app freeze] (M 3:20am)
- CF_adm_AppProcessed_leg [banner apps] (3:30am)
- CF_adm_AppProcessed_inb [legacy apps]
- CF_Degrees_POS_detail_inb [plan of study history] (N 3:25am)
- CF_enrollist_stueot [end of term student enroll hist]
- CF_Faculty_Teaching_History_Legacy [teach hist legacy]
- CF_FinAid_leg [financial aid]
- CF_Payroll_detail [banner payroll detail] (3:00am)
- CF_Payroll_leg [legacy payroll]
- CF_Payroll_leg_detail [legacy payroll detail]
- CF_REGSTUpre20_archive [refresh & archive reg]
- CF_STU20_inb [banner student 20thday]
- CF_STU20_leg [legacy student 20thday]
- CF_STUCRS20_inb [banner stu course end of term]
- CF_STUCRSeot_inb [banner stu course end of term]
- CF_STUeot_inb [banner student end of term]
- CF_STUeot_leg [legacy student end of term]

**Student Validation Files (SV):**
(Validation tables for non-repeating codes or term related data)

- SV_AAdvisors [Banner org codes] (3:00am)
- SV_AdmApps_Freeze_weeknum [week num counting system]
- SV_CCG_Courses [subject code CCG course codes]
- SV_CIP_codes [CIP codes for majors & courses]
- SV_SARD [student accounts receivable database codes] (3:00am)
- SV_SARD [student accounts receivable database]
- SV_payroll_semester_breaks [payroll semester breaks]
- SV_payroll [payroll]
- SV_CSSTUhist_20 [student demographics]
- SV_raceth_inb [race ethnicity]
- SV_AT_Risk [at risk]
- SV_RArcan [student success milestone]
- SV_SFAid [student financial aid]
- SV_raceth_inb [race ethnicity]
- SV_AT_Risk [at risk]
- SV_RArcan [student success milestone]
- SV_SFAid [student financial aid]
- SV_raceth_inb [race ethnicity]

* includes table upload to PROD/WSUBIPMS
### Scheduling of BIPM tables (Student BIPMS)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2:00</strong></td>
<td><strong>post 20th day (end of SU)</strong></td>
<td><strong>SC_STU20</strong></td>
</tr>
<tr>
<td>SC_adm_Applications</td>
<td>SC_STU20</td>
<td>SV_SARD (when new codes arrive)</td>
</tr>
<tr>
<td>SR_adm_Applications_errors</td>
<td>SC_STUCRS20</td>
<td>SV_CCG_course</td>
</tr>
<tr>
<td>2:30</td>
<td>SC_CRS20</td>
<td>SV_MOG_Majors</td>
</tr>
<tr>
<td>SC_adm_Recruits</td>
<td></td>
<td>SV_payroll_semester_breaks</td>
</tr>
<tr>
<td>SR_adm_Recruits_errors</td>
<td></td>
<td>SV_Poverty_thresholds</td>
</tr>
<tr>
<td><strong>3:00</strong></td>
<td><strong>post RO's final grade input per term</strong></td>
<td><strong>SC_STUeot</strong></td>
</tr>
<tr>
<td>(Supplementals 1)</td>
<td></td>
<td>SV_CMG_Majors</td>
</tr>
<tr>
<td>SR_SESF_Audit</td>
<td>SC_STUeot</td>
<td>SV_term_codes</td>
</tr>
<tr>
<td>SV_AAAdv_orgs</td>
<td></td>
<td>SV_Cip_codes</td>
</tr>
<tr>
<td>SS_STUhist_demo</td>
<td></td>
<td>SV_CPI_Income_deflator</td>
</tr>
<tr>
<td>SS_Raceth_inb</td>
<td></td>
<td>SV_adm_AppFreeze_weeknum</td>
</tr>
<tr>
<td><strong>3:30</strong></td>
<td></td>
<td><strong>post RO's final grade input per term</strong></td>
</tr>
<tr>
<td>(Supplementals 2)</td>
<td><strong>SR_Atrisk_CRS</strong></td>
<td><strong>SC_STUeot</strong></td>
</tr>
<tr>
<td>SC_Degrees</td>
<td></td>
<td>SV_Payroll_semester_breaks</td>
</tr>
<tr>
<td>SS_prevINST</td>
<td></td>
<td>SV_Poverty_thresholds</td>
</tr>
<tr>
<td>SS_enrlhist</td>
<td></td>
<td>SV_CMG_Majors</td>
</tr>
<tr>
<td><strong>3:45</strong></td>
<td></td>
<td><strong>post RO's final SU posted degrees</strong></td>
</tr>
<tr>
<td>SC_adm_AppProcessed</td>
<td><strong>SP_Degrees_POS</strong></td>
<td>SV_MCR_Majors</td>
</tr>
<tr>
<td>SU_adm_Scores</td>
<td></td>
<td>SV_Payroll_semester_breaks</td>
</tr>
<tr>
<td>SU_adm_Scores_w_terms</td>
<td></td>
<td>SV_Poverty_thresholds</td>
</tr>
<tr>
<td>SR_Atrisk_Crs</td>
<td></td>
<td>SV_CMG_Majors</td>
</tr>
<tr>
<td>SR_Atrisk_STU</td>
<td></td>
<td>SV_Payroll_semester_breaks</td>
</tr>
<tr>
<td><strong>4:00</strong></td>
<td><strong>end of FY</strong></td>
<td><strong>SS_adm_MFR</strong></td>
</tr>
<tr>
<td>SR_REGSTUpre20 (seasonal)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SR_BIS210E_pre20th</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SS_adm_UGnewStuORT (seasonal)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4:15</strong></td>
<td></td>
<td><strong>payroll number 24 in November</strong></td>
</tr>
<tr>
<td>SS_GradAppts</td>
<td><strong>SR_QA_FY</strong></td>
<td>SV_Faculty_Staff_Nov_Employ</td>
</tr>
<tr>
<td>SR_GradAppts_appt_viol_rpt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SR_GradAppts_stu_viol_rpt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SR_GradAppts_MissnRecsAudit</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4:50</strong></td>
<td></td>
<td><strong>payroll number 24 in November</strong></td>
</tr>
<tr>
<td>(Mon)</td>
<td><strong>SS_Faculty_TenureRank_History</strong></td>
<td>SV_Faculty_TenureRank_History</td>
</tr>
<tr>
<td>SP_adm_AppFreeze</td>
<td></td>
<td>SV_Faculty_TenureRank_Latest</td>
</tr>
<tr>
<td>SR_adm_AppFreeze</td>
<td></td>
<td>SV_Faculty_Teaching_History</td>
</tr>
<tr>
<td><strong>4:50</strong></td>
<td></td>
<td><strong>payroll number 24 in November</strong></td>
</tr>
<tr>
<td>(SC_STU_CRS_current)</td>
<td><strong>SV_Faculty_TenureRank_Latest</strong></td>
<td>SV_Faculty_TenureRank_History</td>
</tr>
<tr>
<td>SC_STUcur</td>
<td></td>
<td>SV_Faculty_Teaching_History</td>
</tr>
<tr>
<td>SC_STUCRScur</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SC_CRScur</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Business Intelligence and Predictive Modeling (BIPM)
SC_adm_Recruits [Core]
Admissions (UG, IE, GR) Banner Recruits (Incoming)

(Step 1: Primary record segment 1)
SRBRECR (SPRIDEN)
   (SMRPRLE)
   (STVADMT)
   (STVMAJR)
   (STVRECR)
   (STVRTYP)
   (STVTERM)
   (STVWRSN)
   (STVRSSTA)

(Step 2: Demographics)
SPBPERS
GORPRAC
GOBINTL(STVNATN)
GORVISA (STVVTYP)
SGBSTDN
GOBSEVS

(Step 3: Tests)
SORTTEST
SORDEGR

(Step 4: Academic History)
SORHSCH (STVSBGI)
SOCBSBG
SHRTRAM (STVSBGI)
SHRTRIT
SREDEGR (STVSBGI)
SREBTAG
SGBSTDN
Roy_hs_ceeb_conv(WSUSTU)

(Step 5: Address/Contact)
SPRADDR (STVNATN)
   (STVCNTY)
SPRTELE
GOREMAL
SPREMRG

(Step 6: CRM)
SORINTS
SRRLEND
SORCONT
SPRHOLD
SRRRATT

(Step 7: Registration)
SFBETRM (STVESTS)

SV_MCG_Majors.zsav
(manual etl refresh)

SC_adm_Applications.zsav
(daily etl refresh)

Notes: Refreshed daily AM.
Master recruit table pulling directly from PROD, includes all recruit activity in SRBRECR & related tables. RPTPRD indexes on SRBRECR_PIDM & SRBRECR_TERM_CODE
Revised 02/04/2015.
SC_adm_Applications [Core]
Admissions (UG, IE, GR) Banner Applications (Incoming)

Notes: Refresh daily AM. Master applications table pulling directly from PROD, includes all application activity in SARADAP & related tables. RPTPRD indexes on SARADAP_PIDM & SARADAP_TERM_CODE_ENTRY. Revised 07/25/2013.
SC_adm_AppProcessed [Core]
Admissions (UG,IE,GR) Banner & Legacy Processed Applications (Incoming)

Notes: Refreshed daily at 3:30 am.
Admission (UG,IE,GR) legacy and banner applications where a decision has been completed (SP_adm_AppProcessed_inb is embedded in SC_adm_AppProcessed.sps as code, not an object).
Revised 07/25/2013.
Notes: Daily refresh at 4:50am.
Banner student current term data.
Revised 07/29/2013.
SC_STU20 [Core]
Student Enrollment 20th day (In-Process)

Notes: Manual refresh after 20th day tables are updated.
Legacy & Banner Student 20th day data.
Revised 07/29/2013.
Notes: Manual refresh after end of term grade tables are updated.
Legacy & Banner Student end of term data.
Revised 07/29/2013.
SC_STUCRScur [Core]
Student by Course Current Term (In-Process)

Notes: Refresh daily AM.

Banner current term combined student/course (crn) data. Student is the unit of analysis within a course crn.

Revised 02/04/2015.
Notes: Manual update when 20thday tables are refreshed every term.

Legacy and Banner 20thday combined student/course (crn) data. Student is the unit of analysis within a course crn.

Revised 07/29/2013.
SC_STUCRSot [Core]
Student by Course End of Term (In-Process)

Notes: Manual update when end of term tables are refreshed every term.
Legacy and Banner end of term combined student/course (crn) data. Student is the unit of analysis within a course crn.
Revised 07/29/2013.
SC_CRScur [Core]
Course Level (CRN) Current Term (In-Process)

Notes: Refresh daily AM.
Banner course-level (crn is unit of analysis) current term data.
Revised 08/02/2013.
SC_CRS20 [Core]
Course Level (CRN) 20th day (In-Process)

Notes: Manually updated after 20th day term tables are refreshed.
Legacy and Banner course-level (crn is unit of analysis) 20th day data.
Revised 08/02/2013.
SC_CRSesot [Core]
Course Level (CRN) End of Term (In-Process)

Notes: Manually refreshed after end of term tables are refreshed.
Legacy/Banner end of term course-level (crn is unit of analysis) data.
Revised 08/02/2013.
Notes: Refresh daily AM.

Provides completed degrees (UG & GR) throughout WSU history. SC_Degrees is slotted at end of job completion for alternative supplemental joins to create SC_Degreed_slotted.

Revised 02/04/2015.
SO_GradSch_OES [Other]
Graduate School Faculty Oral Exam Survey

Notes: Manually updated as new survey data arrives in OPA.
Graduate School surveys the outside committee member of all thesis/dissertation defenses.
Revised 08/02/2013
SO_RevTrf_CommCol [Other]
Associate Degree Reverse Transfer Agreement

Notes: Manual
Identifies eligible students for associate degree reverse transfer with community colleges.
RPTPRD index on PIDM.
Revised 02/03/2015.
SO_SR_MeritSchl [Other]
HS Senior (SR) Merit Scholarships

Notes:
High School Seniors (SR) Merit Scholarship table that provides data for ITS (Jeff Bever) to load into FAISMGR for scholarship tables.

Revised 02/03/2015.
SP_adm_AppFreeze [PreStage]
Admissions Applications Freeze (Incoming)

Notes:
Banner admissions (UG,IE,GR) applications freeze every Monday.
Previous week freeze is archived in case of job failure, new application data from BIPMS_adm_applications is frozen for current week data & combined with previous week freeze data to provide the current week freeze table.

Revised 02/02/2015
Notes: Refresh daily AM;
Banner admission (UG,IE,GR) applications where an admission decision has been completed. Feeds SC_adm_AppProcessed (code for SP_adm_AppProcess_inb is embedded in SC_adm_AppProcessed syntax file).
Revised 02/02/2015.
SP_adm_AppProcessed_leg [PreStage]
Legacy Applications Processed (Incoming)

Notes:
Legacy admissions (UG,IE,GR) applications where an admission decision has been completed. Feeds SC_adm_AppProcessed. Manually ran whenever legacy revision has occurred.

Revised 02/02/2015
SP_Degrees_POS [PreStage]
Graduate Student Plan of Study (POS)

Notes:
Updated at the end of the summer session for each academic year once the registrar office clears summer degrees & UCATS (Jacobs) runs the batch process to clear the CAPP temporary tables to refresh PROD/Wsustu/pos_arch.

This table joins to SC_Degrees to provide time to degree for graduate students who complete a degree.

Revised 08/02/2013.
SP_EnrlHist_STUeot [PreStage]
End of Term Activity for SS_EnrlHist

See SC_STUeot for SP_enrlhist_stueot.zsav mapping

Notes: Manually updated whenever SC_STUeot is refreshed; captures all end of term activity from 1980 to present with major for use in SS_ENRLHIST build..

Revised 02/02/2015.
SP_Faculty_Teaching_History_Legacy [PreStage]
Legacy Teaching History for INB SS_Faculty_Teaching_History

Notes: Manually updated whenever a revised is made for legacy Financial aid data.

Feeds SS_FinAid table. Provides legacy based financial aid data from summer of 1980.

Revised 02/02/2015.
SP_Finaid_leg [PreStage]
Legacy Student Financial Aid

Notes: Manually updated whenever a revised is made for legacy Financial aid data.
Feeds SS_FinAid table. Provides legacy based financial aid data from summer of 1980.
Revised 08/02/2013.
SP_Payroll_inb [PreStage]
Banner Student Payroll

Notes: Updated daily via SS_Payroll.sps, code for SP_Payroll_inb execution is embedded in SS_Payroll.sps. Previous source was PROD\wsu_bis_payroll_inb.

Banner based student (UG & GR) payroll data, feeds SS_Payroll table.
Revised 08/02/2013.
SP_Payroll_leg [PreStage]
Legacy Student Payroll

Notes: Manual update whenever revisions occur to legacy data.
Legacy based student (UG & GR) payroll data, feeds SS_Payroll table.
Revised 08/02/2013.
SP_REGSTUpre20_archive [PreStage]
Pre-20thday Daily Registration Archive (In-Process)

Notes: Manual update every end of pre-registration term.
REGSTUpre20_archive feeds SR_REGSTUpre20 table.
Revised 08/02/2013.
SP_STU20_inb [PreStage]
Banner Student Enrollment 20\textsuperscript{th} day (In-Process)

Notes: Manual update once every term that MWT_STU20 is refreshed.
Banner 20thday Student data, feeds SC_STU20 table.
Revised 02/01/2015.
SP_STU20_leg [PreStage]
Legacy Student Enrollment 20thday

Notes: Manual refresh whenever legacy data or code changes.
Legacy 20thday student data, feeds SC_STU20 table.
Revised 02/01/2015.
SP_STU20_SAadjustment [PreStage]
Adjust Enrolled Hours of Senior Citizens

Notes: Adjusts senior citizen hours in past STUeot frozen tables to report SA hours that were pre 2013 not counted to KBOR.

Revised 01/30/2015.
SP_STUCRS20_inb [PreStage]
Banner Student in Course Enrollment 20th day (In-Process)

Notes: Manual update once MST_CRS20_NEW is refreshed every term.
Banner 20th day combined student/course (crn) data, feeds SC_STUCRS20 table (student is unit of analysis within crn)
Revised 07/29/2013.
SP_STUCRS20_leg [PreStage]
Legacy Student in Course Enrollment 20th day (In-Process)

Notes: Manual update whenever legacy data or code is revised.

Legacy 20th day combined student/course (crn) data, feeds SC_STUCRS20 table (student is unit of analysis within crn)

Revised 07/29/2013.
SP_STUCRSeot_inb [PreStage]
Banner Student in Course Enrollment End of Term (In-Process)

Notes: Manual update when end of term MWT_CRSGRD refreshed.

Banner end of term combined student/course (crn) data, feeds SC_STUCRSeot table (student is unit of analysis with crn).

Revised 07/29/2013.
Notes: Manual update whenever legacy data or code is revised.

Legacy end of term combined student/course(crn) data, feeds SC_STUCRSepot table (student is unit of analysis within crn)

Revised 07/29/2013.
SP_STUeot_inb [PreStage]
Banner Student Enrollment End of Term (In-Process)

Notes: Manual update every end of term once MWT_STUGRD is refreshed.
Banner end of term student data, feeds SC_STUeot table.
Revised 01/30/2015.
SP_STUeot_leg [PreStage]
Legacy Student Enrollment End of Term (In-Process)

Notes: Manual update of legacy end of term data when warranted.

Revised 07/29/2013.
SP_STUeot_SAadjustment [PreStage]
Adjust Enrolled Hours of Senior Citizens

Notes: Adjusts senior citizen hours in past STUeot frozen tables to report SA hours that were pre 2013 not counted to KBOR.

Revised 01/30/2015.
SR_adm_AppFreeze [Reporting]
Weekly Student Application Freeze (Incoming)

Notes: Refresh every Monday AM.

Admission (UG,IE,GR) applications weekly freeze slices (banner only), feeds the BIS0310 graph set and admission feeder reports.

Revised 01/29/2015.
SR_adm_Applications_Errors [Reporting]
Data Entry Errors for SC_adm_Applications

Notes: Refresh daily AM.
Identifies data entry errors in SC_adm_Applications for UG, IE & GR admission offices. Reporting Services pulls from RPTPRD for daily report excel attachment delivery. RPTPRD index on ADM_OFFICE.

Revised 01/29/2015.
SR_adm_Recruits_Errors [Reporting]
Data Entry Errors for SC_adm_Recruits

Notes: refresh daily AM.
Identifies data entry errors in SC_adm_Recruits for UG, IE & GR admission offices. Reporting Services pulls from RPTPRD for daily report excel attachment delivery. RPTPRD index on ADM_OFFICE.
Revised 01/29/2015.
SR_AtRisk_CRS [Reporting]
Course Level High DF Grades

Notes: Manually updated at the end of each semester once grades have been posted to create 3 year rolling average.
Feeds SR_AtRisk_STU table providing the list of courses whose 3 year rolling averages have high D/F grade distributions, becomes part of the BIS_01000_Student AtRisk report.
RPTPRD index on CRS_SUBJCATA
Revised 01/29/2015.
SR_AtRisk_STU [Reporting]
Student At Academic Risk (Incoming & In-process)

Notes: refresh daily am.
Provides data for the BIS01000 Student At Risk reports to display whether student’s incoming academic skill places them at academic risk, includes registration in high DF courses and in-process academic standing.
RPTPRD index on PIDM.
Revised 01/29/2015.
BIS210IE_Pre20th_Reg [Reporting]
BIS210 Series Pre-registration of Foreign Student Only

Notes: Refresh daily during pre20th day registration (am).
Replicates part of BIS210 series but for only Foreign students adding data from previous 20th day reports for International Education.
RPTPRD index on PIDM.
Revised 01/28/2015.
SR_GradAppts_appt_viol_rpt [Reporting]
Graduate Appointment Violations – Appointment level

Notes: refreshed daily am.
Identifies appointment level violations or data entry errors on SS_GradAppts.
RPTPRD index on VIOLATION
Revised 01/28/2015
SR_GradAppts_MissnRecsAudit [Reporting]
PWRGACT and NBRJOBS records match

Notes: refresh daily am.
Audits PWRGACT to determine whether NBRJOBS are missing.
RPTPRD index on POSN_EFFDATE.
Revised 01/28/2015.
SR_GradAppts_stu_viol_rpt [Reporting]
Graduate Appointment Violations – Student level

Notes: refreshed daily am
Identifies student level violations or data entry errors on SS_GradAppts.
RPTPRD index on VIOLATIONS
Revised 01/28/2015
BIS_QA_FY_archive & BIS_QA_FY_freeze
(BIS-Banner) Qualified Admissions (Incoming)

BIS_QA_FY_archive.sav

BIS_QA_FY_freeze.sav

BIS_QA_adm_verify.sav
(temporary table)

BIS_QA_IR_audit.sav
(temporary table)

1st Monday of June, selected columns from master applications table frozen for FY (U-F-S)

SC_adm_applications.sav

see data map in BIPMS_maps

Admissions (UG & IE) verifies IR QA indicator and makes banner table changes where necessary and notifies BIPM data architect for next process

IR imports freeze data and performs audit of QA attributes (creates two new columns: IR suggested QA status and notes) and sends revised data to BIPM data architect for next process (all freeze records QA & non QA retained)

Final validated QA table build containing only QA records for FY; additional columns denoting FY and QA indicator; used for all QA reporting and supplemental joins when needed; temporary tables deleted

Notes: (manual execution in June)
BIS_QA_FY_archive is used for reporting QA activity by FY and for joins as supplemental data to other BIPM & non_BIPM tables for analysis.

Revised 06/12/2011
SR_REGSTUpre20 [Reporting]
Pre-20th day Daily Registration

Notes: Refreshed daily during pre20th day registration activity.
Student daily registration data (banner only), provides data for BIS0210 series Daily Registration Reports and extracts aggregated last student registration pre-20th day per term.
Revised 01/28/2015.
SR_SESF_Audit [Reporting]
Spoken English Screening Form Compliance

Notes: refresh daily am.
Audits compliance with the Spoken English Screening Form (SESF) for all personnel connected to instructional duties.
RPTPRD indexes on TERM
Revised 01/28/2015.
SS_adm_MFR [Supplemental]
Admissions MFR Scores and Rankings (Incoming)

Notes: Manual etl refresh.
Creates RFM analysis output for scoring and ranking applicants (banner) for HS, College and zipcode locations, feeds SORTEST on PROD and SU_adm_Scores.sav

Revised 08/15/2013
SS_adm_PreCollegeCurr [Supplemental]
Admissions Pre-College Curriculum (Incoming)

Notes: Refresh daily am
Pre college curriculum table that has been reduced to a single record of pidm by HS school with slotted pre college curriculum, supplemental table for joins to admission applications & recruits.
Revised 08/15/2013
SS_Adm_RoyallSelfRep_Scores [Supplemental]
Admissions Royall Based Self Reported Scores (Incoming)

Notes: Refresh daily am
Self reported scores from admission student passed through Royall online application.
Revised 01/27/2015
SS_Adm_UD_CallerLog [Supplemental]
Contact Activity of UD Callers

SS_Adm_UD_CallerLog_staff.xlsx

PROD\Saturn\spriden.dbo
PROD\Saturn\stvctyp.dbo
PROD\Saturn\stvslt.dbo
PROD\Saturn\sorappt.dbo

SV_Term_Codes.zsav
(daily etl refresh)

see data map

Notes: refresh daily am
Undergraduate Admission Call Log activity.
Revised 01/27/2015
SS_adm_UGnewStuORT [Supplemental]
New Student Summer Orientation

SS_adm_UGnewStuORT_all.sav
(seasonal daily etl refresh)

ODSP\WSUods\ort_wkparticipants

ODSP\WSUods\ort_workshops

ODSP\WSUods\ort_wkenrolled

SS_adm_UGnewStuORT_lastl.sav

Notes: Refreshed daily am during term registration until 20th day.
Pulls data from the new student summer orientation program.
Revised 01/27/2015.
SS_AFD_AlumniSurvey [Supplemental]
Alumni Survey post AFD Graduation

Notes: Refreshed manually.
Six months post graduation AFD participants are sent an alumni survey.
Revised 08/15/2013.
SS_AFD_ExitSurvey [Supplemental]
UG & GR Exit Surveys

Notes: refresh daily am.
UG & GR Exit Surveys for AFD submitters
Revised 08/15/2013.
SS_enrlhist & SS_enrlhist_1stTerm [Supplemental]
Enrollment Activity by Term and 1st UG and GR Enrolled Term

Notes: refresh daily am
Provides enrollment history and future registered terms. SHRTGPA term take precedence, if null stueot is filled & for future registered terms sfbetrm fills. Major code is corrected for end of term major code from stu_eot table when available. In addition, SS_enrlhist_1stTerm provides the 1st UG and 1st GR term for student.

RPTPRD indexes on PIDM.
Revised 01/27/2015
SS_Faculty_GradFaculty_Status [Supplemental]
Graduate Faculty Status

Notes: refresh daily am
Provides latest activity for Graduate School Graduate Faculty status.
Revised 08/18/2013
SS_Faculty_Sabbatical_History [Supplemental]
Faculty Sabbaticals

SS_Faculty_Sabbatical_History.zsav
(daily etl refresh)

PROD\Payroll\persabb.dbo
PROD\Payroll\ptrfrea.dbo
PROD\Payroll\ptvsbty.dbo

SV_Payroll_Semester_Breaks.zsav
(manual etl refresh)

see data map

Notes: refresh daily am
Provides the sabbatical history of faculty.
Revised 08/18/2013
SS_Faculty_Staff_Nov_Employ [Supplemental]
Faculty & Staff November Employment Freeze

Notes: manual execution.
Provides employee counts and fte for those employed on the 1st week of November.
Revised 04/09/2015

Business Intelligence and Predictive Modeling (BiPM)
SS_Faculty_Staff_Degrees [Supplemental]
Faculty/Staff Highest Degree Attained

Notes: refresh daily am
Provides the highest degree attained by faculty & staff.

Revised 04/09/2015
SS_Faculty_Teaching_History [Supplemental]
Faculty Teaching History by term and crn

Notes: refresh daily am
Provides detail (term by crn) of teaching activity for teaching faculty.
RPTPRD indexes on PIDM & TERM
Revised 08/18/2013
SS_Faculty_TenureRank_History [Supplemental]
Faculty History of Tenure and Rank

Notes: refresh daily am
Provides the tenure and rank history by term for faculty
Revised 01/26/2015
SS_Faculty_TenureRank_Latest [Supplemental]
Faculty Tenure and Rank Status Latest Activity

Notes: refresh daily am
Provides the latest (including non active employees) tenure and rank status of faculty.
RPTPRD indexes on PIDM.
Revised 04/09/2015
SS_Finaid [Supplemental]
Financial Aid

Notes: Refresh daily am.
Legacy and Banner Financial aid data for supplemental joins to BIPMS cores.
Revised 01/26/2015.
SS_Finaid_FAS [Supplemental]
Financial Aid Standing

Notes: Refresh daily am.
Student financial aid standing status.
Revised 08/15/2013.
SS_Finaid_Low_Income [Supplemental]
Low income ranges

Notes: Refresh daily am.
Provides poverty, 125% of poverty and 150% of poverty indicators.
Revised 01/26/2015.
SS_GradAppts [Supplemental]
Graduate Student Appointments

Notes: Daily refresh am.
Graduate student appointment database, data entry from PWAGACT custom Banner form.
RPTPRD indexes on PIDM & GA_TERM.
Revised 01/26/2015.
SS_Housing [Supplemental]
Student Housing Occupancy

Notes: Refreshed daily am.
Provides data on student housing as a supplemental join to BIPM cores, only banner data available.
SS_Housing_Occupants includes all RMS occupancy records; SS_Housing includes only those with valid pidm records.

Revised 01/26/2015.
SS_Housing_Applications [Supplemental]
Student Housing Applications

Notes: Refreshed daily am.
Provides data on student housing applications.
Revised 01/26/2015.
SS_KBOR_UGadvSurvey [Reporting]
KBOR student advising survey

Notes: Manual.
KBOR required yearly survey of students regarding their advising experiences.
Revised 08/13/2013.
SS_Payroll [Supplemental]
Student Payroll

Notes: Refreshed daily am.

Legacy and Banner student (UG & GR) payroll data for supplemental joins to BIPM cores. SP_Payroll_inb is ran as embedded code in SS_Payroll.

Revised 08/15/2013.
SS_prevINST [Supplemental]
Previous Institutions Attended

Notes:
Refreshed daily am. Provides supplemental data to BIPMS cores to display previous educational institutions (HS & colleges).
Revised 01/23/2015.
SS_PWOPERS [Supplemental]
BIPM PWOPERS Version

SS_PWOPERS.zsav
(daily etl refresh)

PROD\Saturn\stvdegc.dbo

PROD\Saturn\stvtyp.dbo

SS_Faculty_TenureRank_Latest.zsav
(daily etl refresh)

SS_Raceth_inb.zsav
(daily etl refresh)

SV_AAdiv_Orgs.zsav
(daily etl refresh)

see data map

see data map

see data map

Notes: Daily refresh am.
Provides supplemental data to BIPM cores, includes race and ethnicity values (race recode of foreign students must still be applied upon BIPM joins)
Revised 01/23/2015.
SS_Raceth_inb [Supplemental]
Banner-based Race/Ethnicity (Raceth)

Notes: Daily refresh am.
Provides supplemental data to BIPM cores, includes race and ethnicity values (race recode of foreign students must still be applied upon BIPM joins)
Revised 08/15/2013.
SS_SARD [Supplemental]
Student Accounts Receivables Database SARD

Notes: Refreshed daily am (job executes SV_SARD before processing SS_SARD main code)
Student accounts receivable data built from TBRACCD, used as supplemental for joins with BIPM cores.
Revised 08/15/2013.
SS_SEAS & SS_SEAS_LAST [Supplemental]
Student Early Alert System

Notes: Daily refresh am.
Provides student learner attributes repeating per term.
RPTPRD indexes on PIDM, SEAS_TERM CRS_CRN.
Revised 01/23/2015
SS_SGRSATT [Supplemental]
Student Learner Attributes

Notes: Daily refresh am.
Provides student learner attributes repeating per term.
RPTPRD indexes on PIDM and TERM.
Revised 08/15/2013
SS_SSC_DegreeRisk [Supplemental]
EAB SSC Degree Risk Scores

Notes: refresh daily am
Education Advisory Board EAB Student Success Collaborative SSC degree risk scoring.
Revised 01/27/2015
SS_STUhist_demo [Supplemental]
Student Demographics

Notes: Daily refresh am.
Provides data to BIPM builds for current demographics (birthdate and sex) and first generation indicator.
Revised 08/15/2013
SU_adm_Scores [Other – upload]
Recruit and Application Scores for Sortest Upload (Incoming)

Notes: Refreshed daily at 3:55am.
Provides academic and recruiting scores for UG students (banner only), feeds BIS01000 Student At Risk reports and BIPM cores.
Revised 08/02/2013.
SU_adm_Scores_wterms [Other – upload]
Admission Scores for Sortest Upload (Incoming)

Notes: Refreshed daily at 3:55am.
Provides admission scores for upload to RPTD to upload into Banner Sortest.
Revised 09/09/2013.
SU_ColBus_scores [Other – upload]
College of Business GMAT & Watson/Glaser Sortest Upload

Notes: Refreshed manually.
Provides GMAT and Watson/Glaser scores from College of Business including upload of scores to Banner Sortest table.
Revised 08/13/2013.
SV_AAdiv_orgs [Validation]
Banner Organization Codes Converted to AAR & Non-AAR units

Notes: Refreshes daily am.
Converts Banner organization codes into AA and Non-AA units (ala MCG_DIV).
RPTPRD index on ORGA.

Revised 01/23/2015
SV_adm_AppFreeze_weeknum [Validation]
Admissions Applications Freeze Dates (Incoming)

Notes:
Provides ISO calendar week count and dates including associated banner term values for the weekly admission application Monday freeze, feeds SP_adm_AppFreeze.sav. RPTPRD index on FREEZE_DATE.
Revised 01/12/2015
SV_Adm_Decision_STVAPDC [Validation]
Admissions Decision Code Groupings (Incoming)

Notes:
Provides categories for reporting admission decision codes.
RPTPRD index on STVAPDC_CODE.
Revised 01/14/2015
SV_CCG_Course [Validation]
Course Code Group CCG

SV_CCG_Courses.zsav
(manual etl refresh)

PROD\Saturn\stvcipc.dbo
PROD\Saturn\scborse.dbo
PROD\WSUstu\bi_ccg.dbo
J:\BIPMS\SV_MCG_CCG_data_dictionary.xlsx

RPTPRD\BIPMS\SV_CCG_COURSES.dbo

Notes: Manually updated whenever a new course (subj_code) is created.
Applies the Course Code Group logic to the course subject code to place courses within their current institutional structures.
RPTPRD index on CRS_SUBJ.

Revised 01/12/2015.
### SV_CEEB_Codes_HS & SV_CEEB_codes_Col [Validation]
CEEB Codes for High Schools & College (Incoming)

<table>
<thead>
<tr>
<th>File</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV_CEEB_Codes_HS.zsav</td>
<td>(manual etl refresh)</td>
</tr>
<tr>
<td>SV_CEEB_Codes.Col.zsav</td>
<td>(manual etl refresh)</td>
</tr>
<tr>
<td>SV_CEEB_Codes.xlsx</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- CEEB codes for HS & Colleges

Revised 01/14/2015
Notes:
2010 Federal CIP codes.
RPTPRD index on CIPCODE.

Revised 08/13/2013
Notes:
Current Price Index (CPI-U) for adjusting income values over time for inflation.
RPTPRD index on CPI_YR.

Revised 01/16/2015
SV_Date_Codes [Validation]
Date Codes Historic & Future (Incoming)

Notes:
Date codes from 1900 to 2050 including week, month & year dimensions.
RPTPRD index on SV_DATENUM.

Revised 01/14/2015
SV_Global_STV NATN [Validation]
Country Code Crosswalk

Notes:
Country codes crosswalk.
RPTPRD index on STV NATN_CODE.

Revised 01/14/2015
Notes:
Housing RMS term code conversions.
Revised 01/14/2015
SV_KS_Counties [Validation]
State of Kansas County Codes

Notes:
County Codes and descriptions for State of Kansas.
RPTPRD index on COUNTY.
This table is located in the SV_KS_COUNTY_ZIPCODES syntax.
Revised 01/12/2015
SV_KS_County_Zipcodes [Validation]
State of Kansas County Zipcodes

Notes:
County ZipCodes and descriptions for State of Kansas. This table is located in the SV_KS_COUNTY_ZIPCODES syntax. RPTPRD index on ZIPCODE.

Revised 01/12/2015
SV_leg_inb_HS_crswlk & SV_leb_inb_Col_crswlk [Validation]
Institutional (HS & College) Code Crosswalk

Notes:
Legacy to Banner HS & College code crosswalk.

Revised 01/14/2015
SV_leg_pvid_pidm_ID [Validation]

Notes:
Legacy PVID to PIDM ID crosswalk.

Revised 01/14/2015
SV_MCG_Majors [Validation]
Major Code Group MCG

Notes: Manually ran whenever new major codes are created.
Applies the Major Code Group logic to major codes allowing mapping of major code ownership based on current institutional structures.
RPTPRD index on MAJOR.
Revised 01/12/2015.
WSU Business Intelligence and Predictive Modeling (BIPM) Major Code Group and Course Code Group Schemas

**Major Code Group (MCG)**

- College (digit 1)
- College Division (digit 1-2)
- Department (digit 1-4)
- Departmental Unit (digit 1-6)
- MCG code (digit 1-8)
- Major code (4 characters)
- UG/GR level (0,1)
- Degree seeking (0,1)
- Online (0,1)
- Bach Gen Stu (0,1)
- Field Major (0,1)
- Undecided (0,1)

**Course Code Group (CCG)**

- College (digit 1)
- College Division (digit 1-2)
- Department (digit 1-4)
- CCG Code (digit 1-6 dept unit)
- Course code (4 characters)

For each major code and course subject code a numeric value (8 digits for majors and 6 digit for courses) is assigned that allows for aggregation to higher dimensions for reporting and querying. In addition the MCG & CCG codes pair active and inactive code sets and can be used to report history organizationally as it is currently.
Notes:

WSU program review codes crosswalk with MCG.

Revised 01/14/2015
SV_MSEP_Majors [Validation]

MSEP Major Codes

Notes: Manually ran whenever new msep major codes are created. RPTPRD indexes on MAJOR.
Revised 01/12/2015.
SV_payroll_semester_breaks [Validation]
Payroll semester date term breaks

Notes:
Payroll dates and term break points.
RPTPRD indexes on PAY_DATE.
Revised 01/21/2015
SV_Poverty_Thresholds [Validation]
Federal Government Poverty Thresholds

Notes:
Census Bureau poverty thresholds by family size
RPTPRD indexes on TERM_AY & FAMSIZE

Revised 01/21/2015
SV_SARD [Validation]
Student Accounts Receivables Database

Notes: This job is executed when SS_SARD daily etl refreshed.

Feeds SS_SARD table. Bi-weekly new codes are loaded based on data supplied from accounts receivables.
RPTPRD index on SARD_CODE

Revised 08/13/2013.
Notes: Daily ETL ran to pick up any term code additions.
Provides data to BIPM builds, includes legacy and banner term codes and descriptors, 20th day dates, and semester date values.
RPTPRD index on TERM.
Revised 02/04/2014.
Provides time dimensions (hours, minutes, seconds) coding standards.
RPTPRD index on TIME24NUM.
Revised 01/14/2015.