



- Provide centralized locations for training in Banner and ORACLE
- Provide environments where SunGard SCT clients can focus on learning
- Provide opportunities to interact with colleagues from other institutions

# SunGard SCT Education Centers

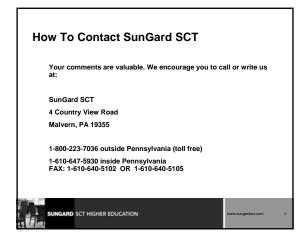
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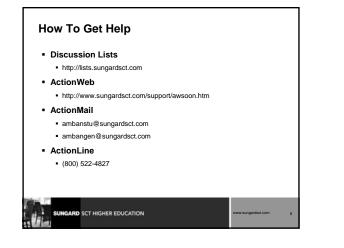
- SunGard SCT's philosophy: "Train the Trainer"
  - Provide regularly scheduled, detailed, hands-on training in all modules of SCT Banner
  - Provide Education Center Training Guides to be used for internal training at client sites
- SunGard SCT's Education Centers: located in Malvern, PA, and Rochester, NY
- Education Center Phone: 1-610-578-5075
- Education Center FAX: 1-610-647-8517

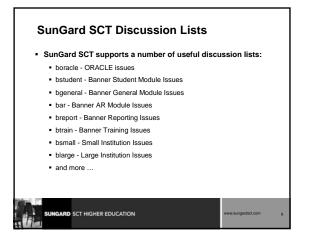
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# SunGard SCT's Consulting and Modification Services • SunGard SCT offers several short- and long-term consulting and custom SCT Banner system modification services • A combination of delivery methods can be used to meet the needs of your institution • Contact your Professional Services Account Manager at the address or phone number listed on the next slide











- For a complete listing of SunGard SCT's discussion lists, send a message to:
  - listproc@sungardsct.com
  - no subject
  - message body:
    - LISTS
- Or http://lists.sungardsct.com

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# **Subscription Instructions**

- Send mail to listproc@sungardsct.com
- Leave subject field blank.
- In message body:
  - subscribe listname1 YourFirstName YourLastName
  - subscribe listname2 YourFirstName YourLastName
  - You may subscribe to multiple lists in the same e-mail as long as each subscribe command is on a separate line.
- To Unsubscribe:
  - Send mail to listproc@sungardsct.com
  - Leave subject field blank
  - Message Body
  - unsubscribe listname

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# SunGard SCT ActionWeb

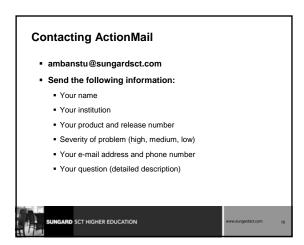
- Request access to SunGard SCT's "secured" ActionWeb
  pages
- Send e-mail request to:
   csr@sungardsct.com
- Include Your Name, phone #, site name

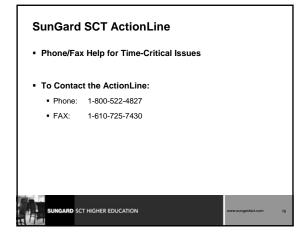
# SunGard SCT ActionMail

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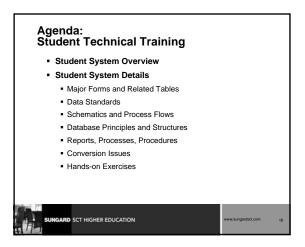
- Allows you to send your ActionLine questions through email
- ActionMail requests/questions are given the same priority as those made over the phone
- Use this service for less time-critical issues

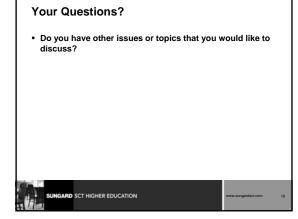
# SUNGARD SCT HIGHER EDUCATION www.sungardise.com

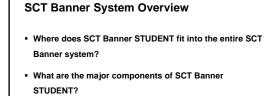




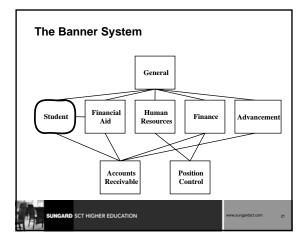


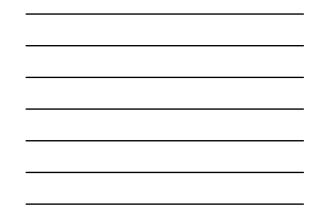


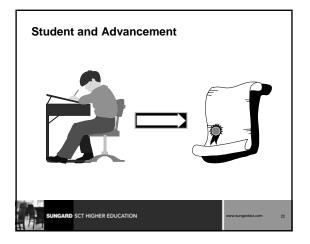














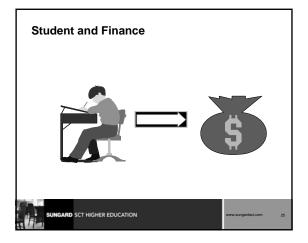
# **Student and Advancement**

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- Student to Advancement Interface (APPSTDI)
  - adds records that define individuals as constituents
  - updates information on existing constituents

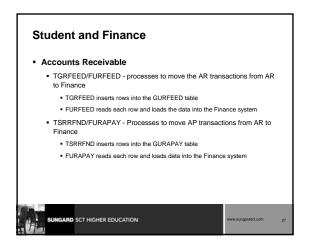
# Student and Advancement Shared information across SCT Banner Identification, Person and Address Information Information pulled from Student into Advancement Academic information is pulled from Admissions, Academic History and Registration Student Cooperative information may also be retrieved for employment history Student activities will also be retrieved

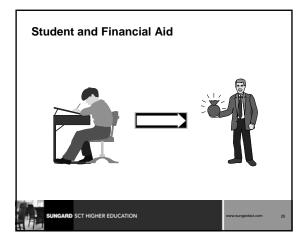






# Student and Finance Accounts Receivable Charges can be posted to an account through the following student modules: Admissions Registration Location Management Academic History CAPP Cashiering sessions would be created for the above transactions





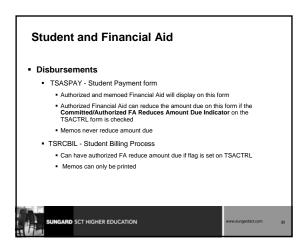


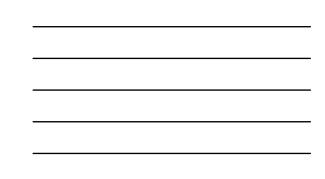
# **Student and Financial Aid**

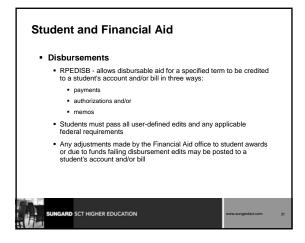
### Disbursements

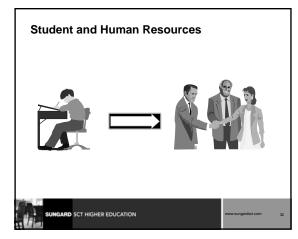
- TSASPAY Student Payment form
  - Users can disburse Financial Aid from this form
    - If the automatic disbursement flag on TSACTRL is checked, then disbursement is done automatically
    - $\boldsymbol{\cdot}~$  If this flag is unchecked, the user can perform disbursement manually
    - Manual disbursement is performed by entering a 'Y' in the 'Recalculate Financial Aid?' field on the Financial Aid Recalculation window
  - An AR transaction will be created if disbursement occurred

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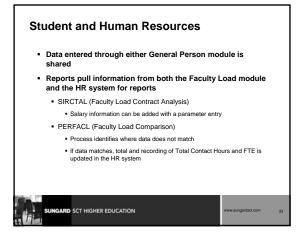


Table	Table Description	Alumi	Finance	FinAid	General	HR
STVACCG	Activity Category	A				
STVACTC	Activity	Α				
STVACTP	Activity Type	A				
STVACYR	Academic Year			R		
STVADMT	Admission Type			R		
STVAPDC	Admission Application Decision			R		
STVAPST	Admission Application Status			R		
STVASCD	Room Assignment Status			R		
STVASRC	Address Source	A	F	R		н
STVASTD	Academic Standing			R		
STVATYP	Address Type	A	F	R		н
STVBLDG	Building			R	G	
STVCAMP	Campus			R		
STVCIPC	CIP Code					н
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Table	Table Description	Alumi	Finance	FinAid	General	HR
STVCLAS	Class			R		
STVCNTY	County	A	F	R		н
STVCOLL	College	A		R	G	
STVDEGC	Degree	A		R		н
STVDEGS	Degree Status			R		
STVDEPT	Department			R	G	
STVDIVS	Division			R		
STVDLEV	Degree Level			R		н
STVDPLM	Diploma Type			R		
STVESTS	Enrollment Status			R		
STVETHN	Ethnic	A	F	R		н
STVETYP	Event Type				G	
STVGEOD	Geographic Region Division	A				
STVGEOR	Geographic Region	A				

Table	Table Description	Aumi	Finance	FinAid	General	HR
STVHAPS	Housing Application Status			R		
STVHLDD	Hold Type			R		
STVHONR	Institutional Honors	A				
STVINT	Initials	A				Н
STVLANG	Language					Н
STVLEAD	Leadership	A				
STVLEVL	Level			R		
STVLGCY	Legacy	A	F	R		Н
STVMAJR	Major, Minor, Concentration	A		R		Н
STVMDEQ	Medical Equipment					Н
STVMEDI	Medical					Н
STVMRCD	Meal Rate			R		
STVMRTL	Marital Status	A	F	R		н
STVMSCD	Meal Assignment Status			R		



# Shared Student Validation Forms

Table	Table Description	Alumi	Finance	FinAid	General	HR
STVORIG	Originator	A				
STVPENT	Port of Entry			R		н
STVRATE	Student Fee Assessment Code			R		
STVRDEF	Building/Room Attribute			R		
STVRELG	Religion	A	F	R		н
STVRELT Relation						н
STVRMST	Room Status			R		
STVRRCD	Room Rate			R		
STVRSTS	Course Registration Status			R		н
STVSBGI	Source/Background Institution	A		R		н
STVSITE	Site			R		
STVSPON	International Student Sponsor			R		
STVSTAT	State	A	F	R		н
STVSTST	Student Status			R		
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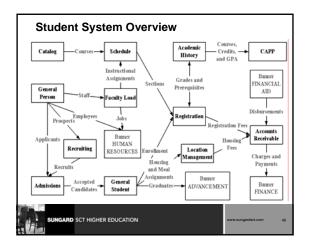


Table	Table Description	Alumi	Finance	Fin Aid General	HR
STVTADM	Test Score Administration Type			R	
STVTELE	Telephone Type	A	F	R	Н
STVTEPR	Test Purpose			R	
STVTERM	Term			R	
STVTESC	Test Code			R	
STVTSRC	Admission Test Score Source			R	
STWETC	Veteran Type			R	
STVVTYP	Visa Type			R	Н
TTVBILL	Billing Code			R	
TTVDCAT	Detail Category			R	
TTVPAYT	Payment Type			R	
TTVSRCE	Charge/Payment Detail Source			R	н



Product Table Owner	rs
<ul> <li>General</li> </ul>	GENERAL
<ul> <li>General Person</li> </ul>	<ul> <li>SATURN</li> </ul>
Finance	FIMSMGR
<ul> <li>Accounts Receivable</li> </ul>	TAISMGR
<ul> <li>Position Control</li> </ul>	POSNCTL
<ul> <li>Payroll</li> </ul>	PAYROLL
<ul> <li>Student</li> </ul>	<ul> <li>SATURN</li> </ul>
<ul> <li>Financial Aid</li> </ul>	FAISMGR
<ul> <li>Advancement</li> </ul>	- ALUMNI
<ul> <li>Security</li> </ul>	<ul> <li>BANSECR</li> </ul>
<ul> <li>All SCT Banner Views</li> </ul>	<ul> <li>BANINST1</li> </ul>
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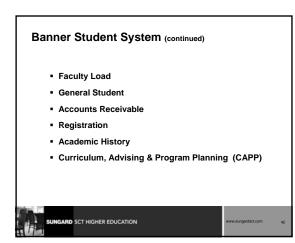


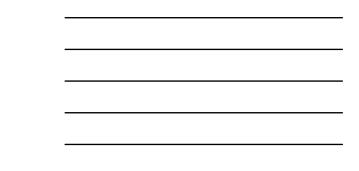


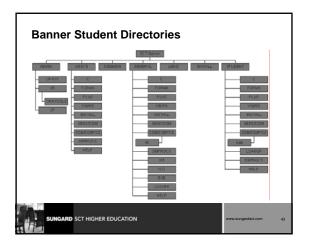
# Banner Student System

- Catalog
- General Person
- Recruitment
- Admissions
- Location Management & Housing
- Schedule

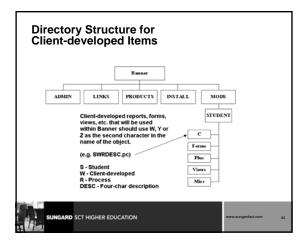
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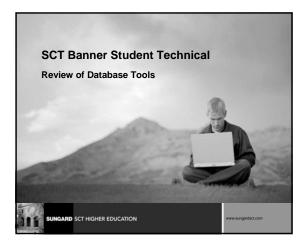








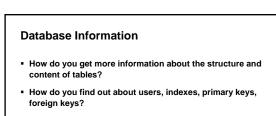




# Review

- The Data Dictionary
- GURPDED process from Job Submission
- Technical Addendum

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How do you find out about table relationships?



The Data Dictionary		
<ul> <li>A set of tables and views that are used as a reference about the database.</li> </ul>	ead-only	
<ul> <li>Stores information about both the logical and structure of the database.*</li> </ul>	l physical	
* <u>Oracle Server Concepts</u>		
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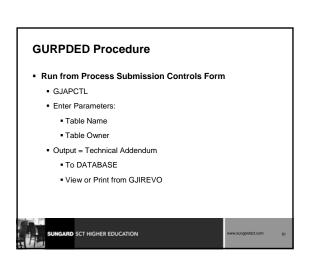
# **Types of Data Dictionary Views**

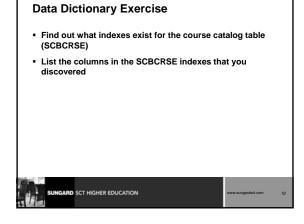
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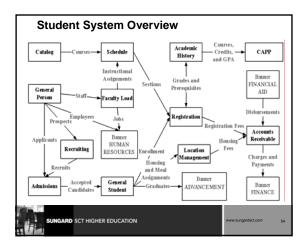
- USER\_xxxxx -- shows objects and events owned by user
- ALL\_xxxxx -- shows all objects and events to which user has access
- DBA\_xxxxx -- restricted; assigned only to those with DBA role

# Data Dictionary Views ALL\_TABLES - descriptions of tables ALL\_COL\_COMMENTS - comments on columns of accessible tables ALL\_TAB\_COLUMNS - lists of columns of all tables ALL\_TAB\_COMMENTS - comments on tables ALL\_USERS - information on all users in database ALL\_VIEWS - lists text of views accessible to user ALL\_INDEXES - descriptions of indexes ALL\_IND\_COLUMNS - lists columns of the indexes

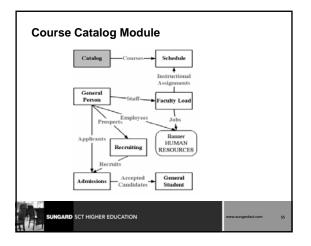












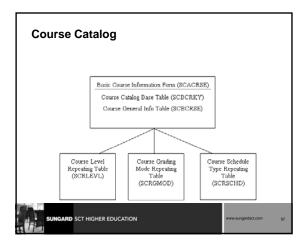


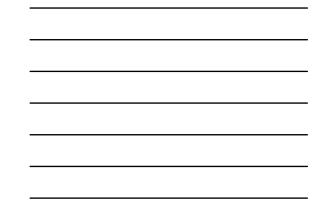
# **Course Catalog Module: Objectives**

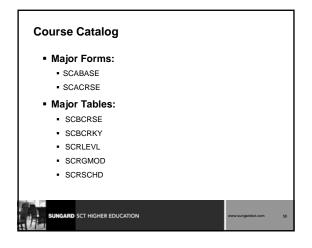
### Examine/Review

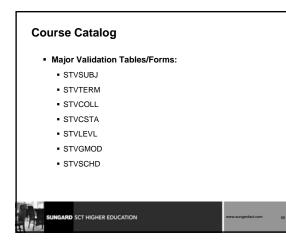
- Major and Required Forms and Tables
- Reports, Processes and Procedures
- Review Referential Integrity
- Conversion of Data

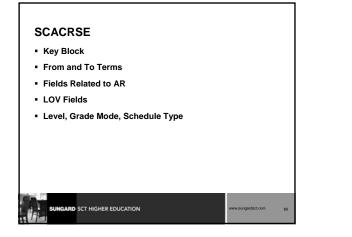


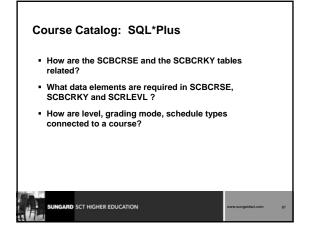




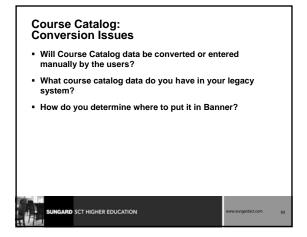


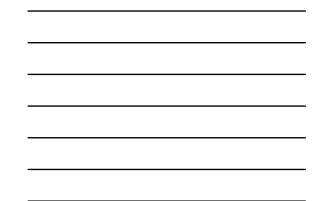


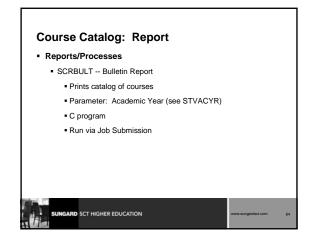


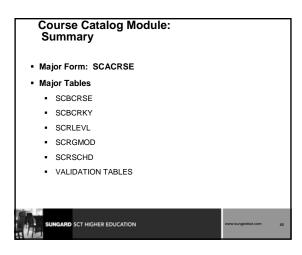


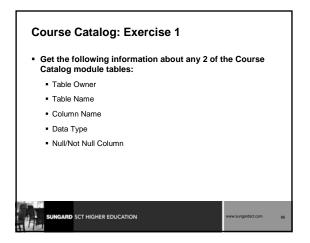
SC	BCRSE and	SCE	BCRK	Y			
SCBCRS							
Name	-		Null?	Typ			
		-			-		
SCBCR	SE_SUBJ_CODE	NOT NULL		VARCHAR2(4)			
SCBCR	SE_CRSE_NUMB	NOT NULL		VARCHAR2(5)			
SCBCR	SE_EFF_TERM			VARCHAR2(6)			
-							
SCBCRI	KY_SUBJ_CODE	NOT NULL		VARCHAR2(4)			
		NOT NULL		VARCHAR2(5)			
	KY_TERM_CODE_START			VARCHAR2(6)			
SCBCRI	KY_TERM_CODE_END	NOT NULL		VARCHAR2(6)			
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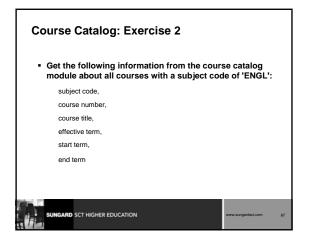


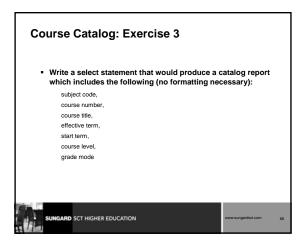


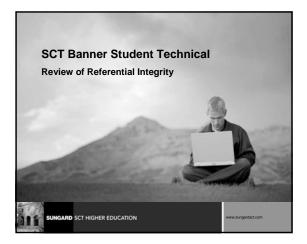


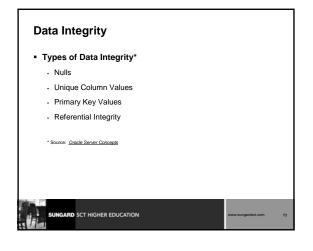


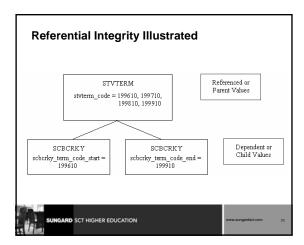




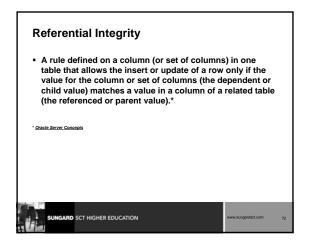




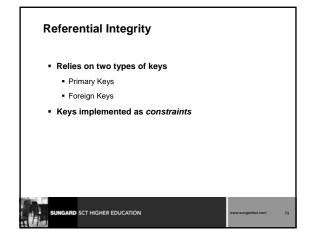


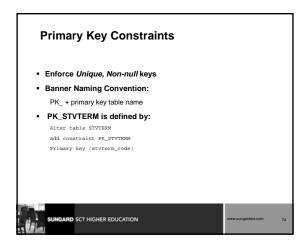


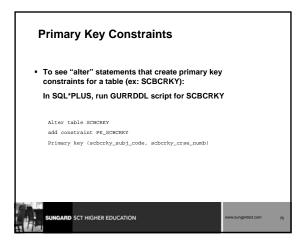


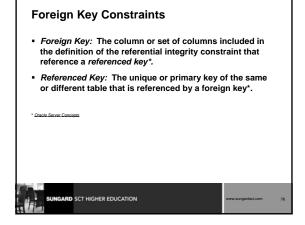


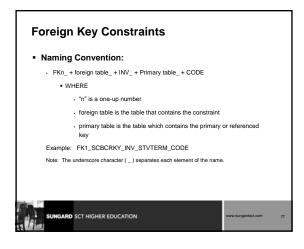


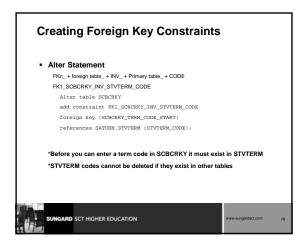


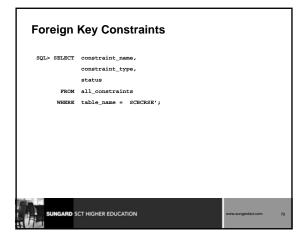


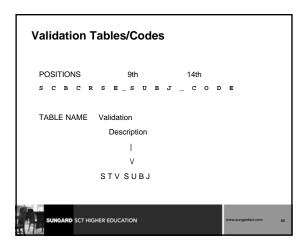


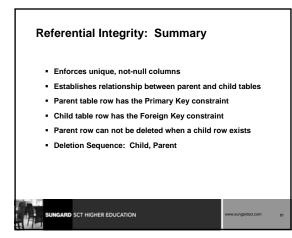






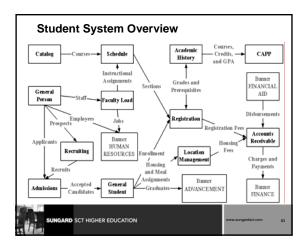




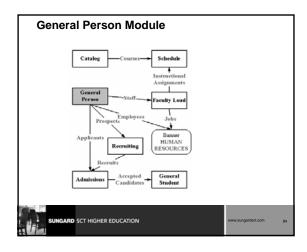


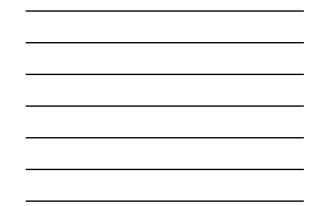










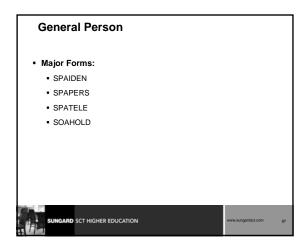


# General Person Module: Objectives

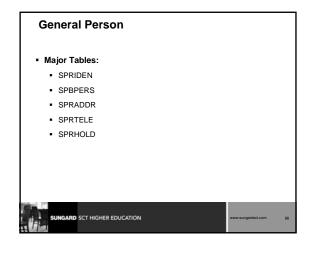
- Examine
  - Major and Required Forms and Tables
  - SOBSEQN, PIDM
  - Data standards
  - SPRIDEN, SPBPERS indicators
  - SPRPDIR process
  - Conversion of data

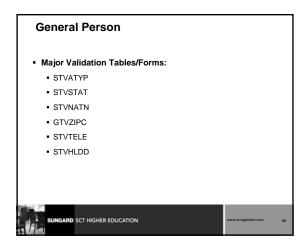
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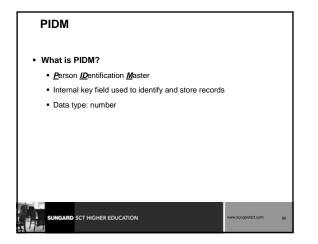
General	Persor	ı	
Γ	Identifi	cation Form (SPAID	0 <i>B</i> N)*
	Person	Table	
		eral Person Form/Tai PAPERS/ SPBPERS	
	_		
Addres Information (SPRADL	Table	Telephone Form/Table (SPATELE/ SPRTELE)	Person Related Holds Form/Table (SOAHOLD/ SPRHOLD)
Asteris	ked text (*) in	licates required data.	
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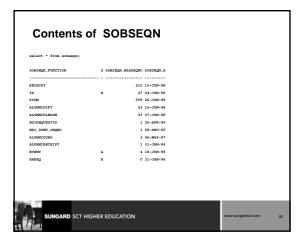


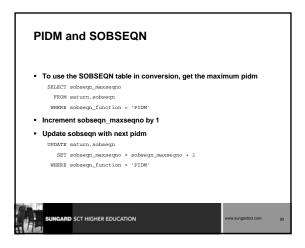


## SOBSEQN

- Table which stores numbers used to generate pidms and other sequence numbers
- Built before Oracle incorporated sequence objects
- All numbers should be set to zero during production setup
- Maintenance access should be at highest security level

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## ID and SOBSEQN

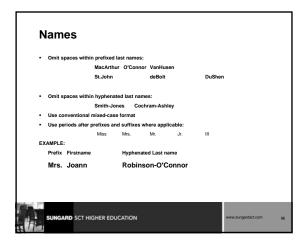
- sobseqn\_seqno\_prefix
  - The column sobseqn\_seqno\_prefix allows the client to determine the character which will precede a generated ID
  - For example, a sobseqn\_seqno\_prefix set to "@" precedes the generated ID: @00000001

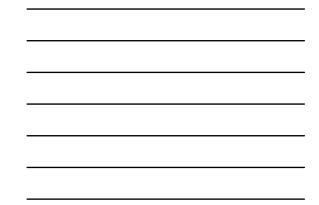
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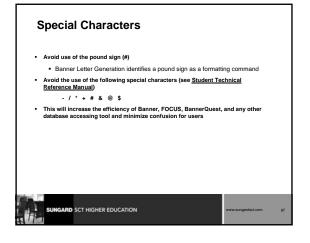
### Data Standards

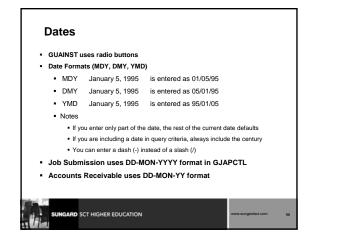
- Names, addresses, and special characters
- GUAINST
- Date Format
- Century Pivot

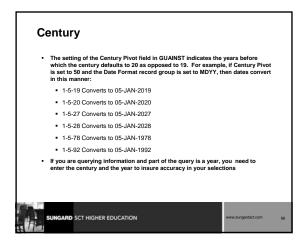


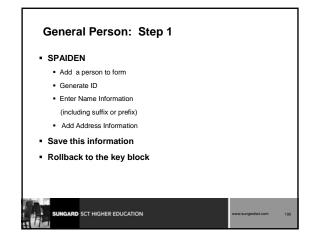


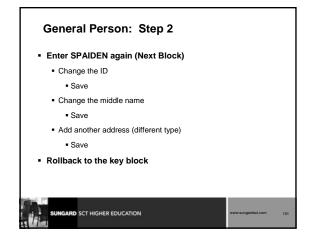


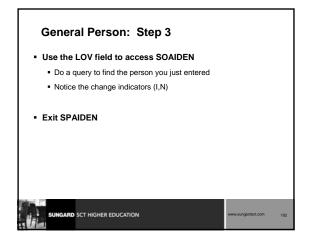










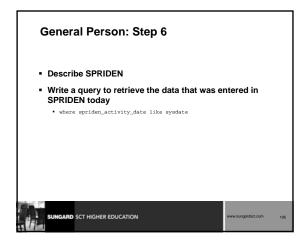


# General Person: Step 4 SPAPERS Enter SSN (SIN in Canada) Enter Birth Date Enter Confidentiality Indicator Save Exit SPAPERS

# General Person: Step 5

- SOAHOLD
- Use LOV field to see list of holds
- Place two different types of holds on your record
- Save









- Notice the data in:
  - spriden\_change\_ind
  - spriden\_search\_last\_name
  - spriden\_soundex\_last\_name
  - spriden\_entity\_ind
  - spriden\_pidm

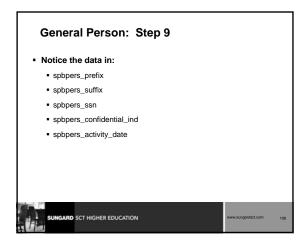
SUNCARD SCT HIGHER EDUCATION	www.sungardsct.com 106	5
		_

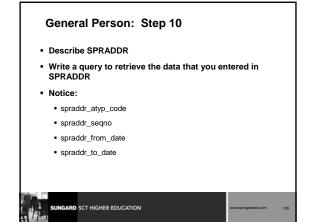
# General Person: Step 8

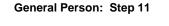
- Describe SPBPERS
- Write a query to retrieve the data that you entered in SPBPERS

where spbpers\_activity\_date like sysdate









- Describe SPRHOLD
- Write a query to retrieve the data that you entered in SPRHOLD
- Notice:
  - sprhold\_hldd\_code
  - sprhold\_user
  - sprhold\_from\_date
  - sprhold\_to\_date

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General Person: SPRPDIR
SPRPDIR -- Person Directory
Produces a list of persons, addresses, and primary phone numbers
By type of person:
Recruit (R)
Applicant (A)
Student (S)
Faculty (F)

#### General Person: SPRPDIR

- Tables used in SPRPDIR.pc:
  - SPBPERS General Person Info Table
  - SRBRECR Recruit Information Table
  - SARADAP Applicant Information Table
  - SGBSTDN Student Information Table
    SIBINST Faculty Information Table
  - SPRCOLR Address Collector File
  - SI NOOLIN Address Collector The
  - SPRTELE Telephone Number Table

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#### General Person: SPRPDIR

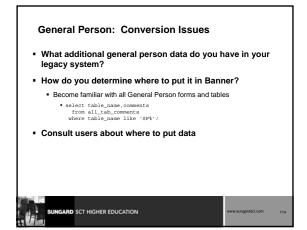
#### • View used in SPRPDIR.pc:

SPVADDS - Address View

#### Parameters:

- Term, Type, Confidentiality Indicator
- Address Type, Print ID, Faculty type (A,I,B)
- Population Selection Can Be Used
- C program
- Run via Job Submission

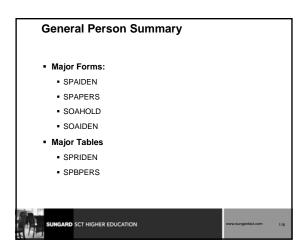
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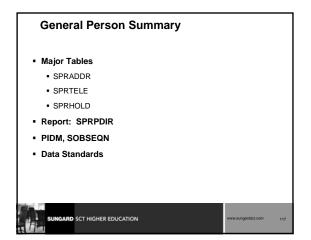


#### **General Person Module: Other Scripts**

- \$BANNER\_HOME/general/views
  - views (gpv\*)
  - ag\_entity\_data: Object:Access view which presents general person data (gpvent0.sql)
  - Object:Access views used in conjunction with Object:Access method of retrieving data from database
    - uses concept of "layered" views
    - must have GTVSDAX form/table populated with crosswalk values

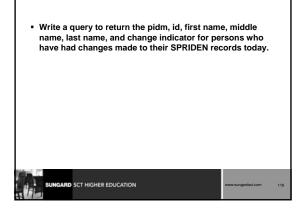
# SUNGARD SCT HIGHER EDUCATION

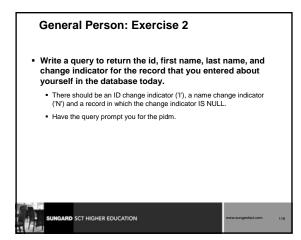


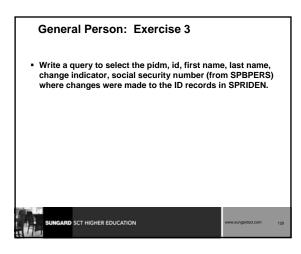




#### **General Person: Exercise 1**







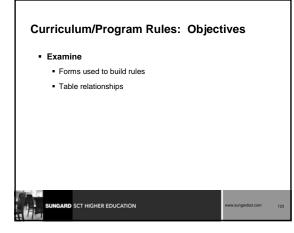
#### **General Person: Exercise 4**

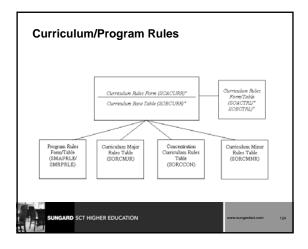
- Write a query to extract information that you would use on a mailing label.
  - For this query, select the address type that appears the maximum number of times in the SPRADDR table.
  - You should extract the most current record from the SPRIDEN table.
  - For purposes of simplicity, assume that all SPRADDR records for this
- address type are current.

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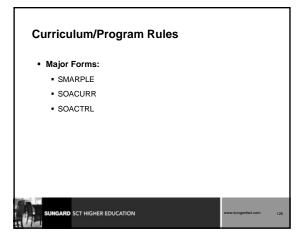
  www.sungedectcom

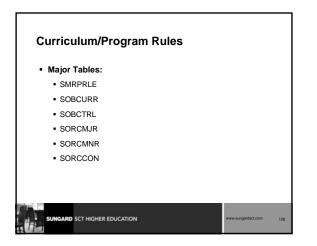


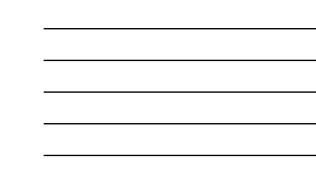


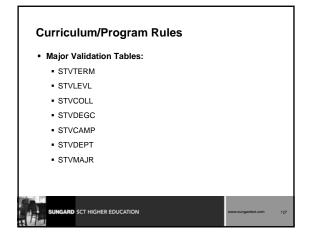


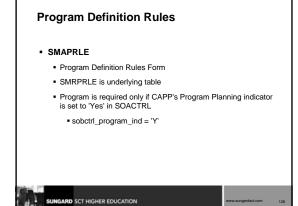


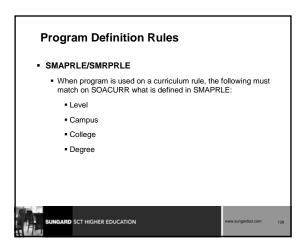


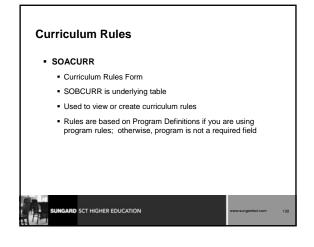












#### **Curriculum Rules Control**

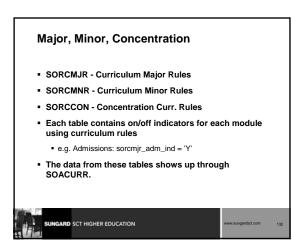
SOACTRL

- Curriculum Rules Control Form
- SOBCTRL is underlying table
- Indicators determine if/how various areas related to curriculum are used

• Can set Use CAPP's Program Planning to 'Y' or 'N'

 Indicators set severity level of error checking by module if curriculum rules are used

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#### Curriculum/Program Rules: Summary

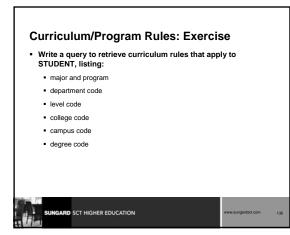
- Build rules in SOACURR
   All curriculum rules must be built before setting indicators in SOACTRL
- Build Program Rules on SMAPRLE (if you plan to use CAPP's Program Planning)
- Build control rules in SOACTRL
  - if sobctrl\_curr\_rule\_ind = 'Y', then sobctrl\_program\_ind must = 'Y'
    - Note: This means that you are using CAPP's Program Planning

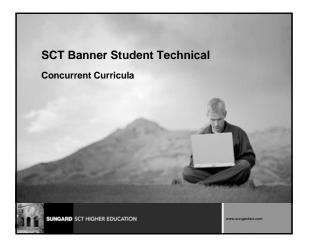
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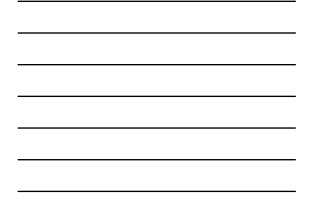
#### Curriculum/Program Rules: Conversion Issues

- Will your users build curriculum rules?
- If so, then can you use the rules to your advantage when converting student data?
  - Can you use the student's major (on legacy side) to get the valid department and program codes from SOBCURR and SORCMJR?

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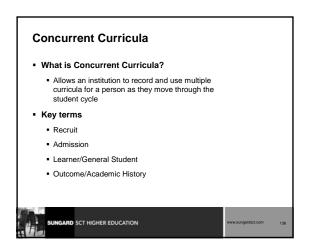


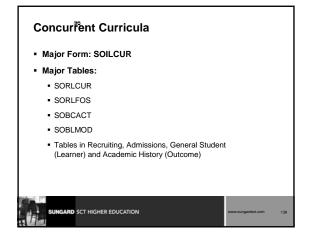
#### **Concurrent Curricula: Objectives**

#### Examine

- Define Concurrent Curricula
- Major and Required Forms and Tables
- Reports, Processes and Procedures
- Conversion of Data





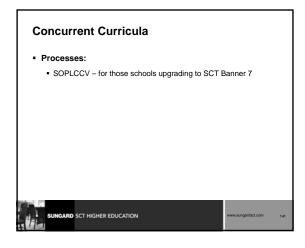


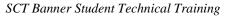
#### Concurrent Curricula

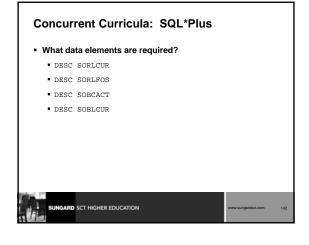
#### Major Validation Tables/Forms:

- GTVLFST
- STVCACT
- STVCSTS
- STVLMOD





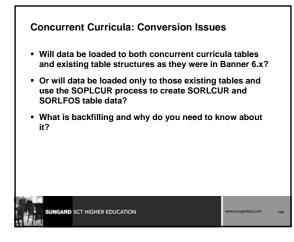


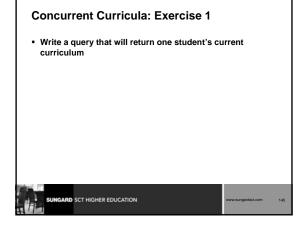




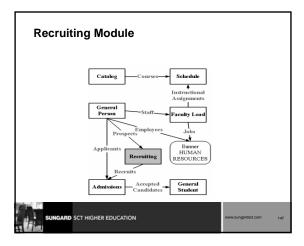
- The package SOKLCUR is used to query curriculum data
- P\_backload\_curr updates the primary and secondary curricula on any student records
  - This is necessary until final implementation of the enhancement to allow current reports, process and procedures continue to work as designed

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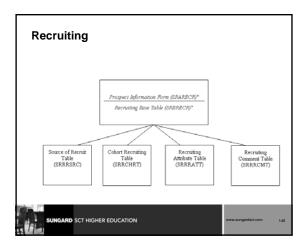


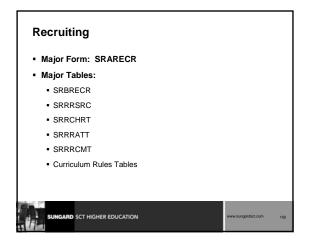
#### **Recruiting Module: Objectives**

Examine

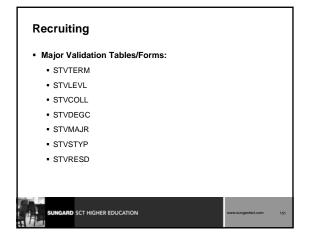
- Major and Required Forms and Tables
- Reports, Processes and Procedures
- Conversion of Data











#### SRARECR

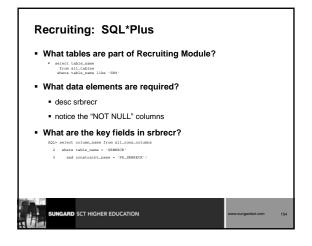
#### Prospect Information Form

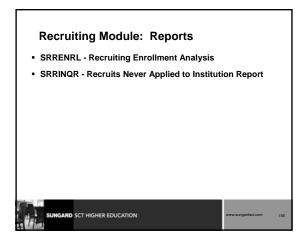
- Provides information necessary for all recruitment related activities
- The basis for all related recruiting forms
- Can go to SPAIDEN form to create a person record from this form
- Notice connections to Curriculum

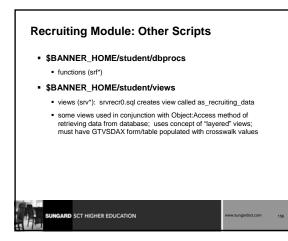
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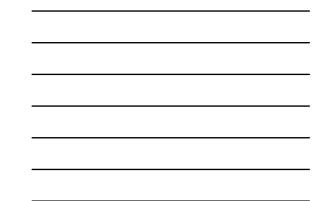
# SRAQUIK Quick Recruit Form Allows entry of new prospective students General Person information is created via this form (populating tables: SPRIDEN, SPBPERS, SPRADDR, etc.) Other information is created via this form (populating tables: SORHSCH, SORPCOL, SORINTS, SRRRSRC, SORCONT,











#### Recruiting: Conversion Issues

- Will Recruiting data be converted or entered manually by the users?
- What Recruiting data do you have in your legacy system?
- How do you determine where to put it in Banner?
- Will you use curriculum rules?

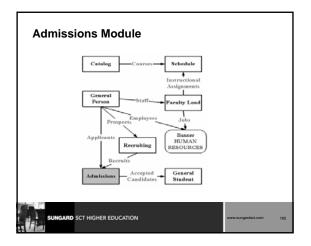
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#### Recruiting Module: Summary

- Major Forms
  - SRARECR
  - SRAQUIK
- Major Tables
  - SRBRECR
  - Validation Tables

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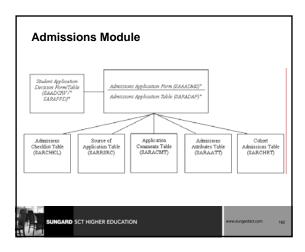


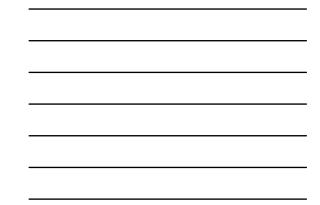
#### Admissions: Objectives

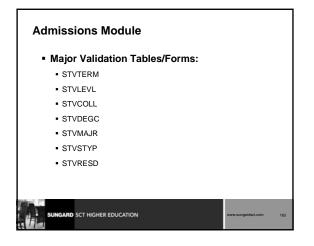
#### Examine/Review

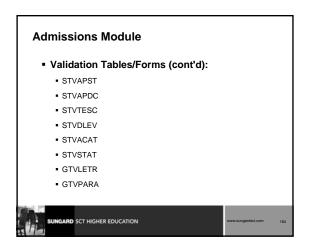
- Major and Required Forms and Tables
- Reports, Processes and ProceduresConversion of Data

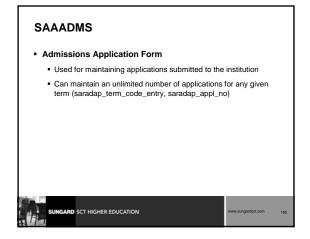
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#### SAAQUIK: Quick Admit Form

- · Allows entry and registration of new students with minimal effort
- General Person information is created via this form (populating tables: SPRIDEN, SPBPERS, SPRADDR, SPRTELE, etc.)
- Admissions and/or Recruitment records may be created through this form
- Other information can be accessed via this form (tables: SORHSCH, SORPCOL, SPRHOLD, SORTEST, SPRINTL, etc.)

#### SAADCRV/SARAPPD

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- SAADCRV -- Admissions Decision Form
- Underlying table is SARAPPD

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 Once an applicant is accepted through SAADCRV, a student record is created (SGASTDN form/SGBSTDN table)

# <section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><section-header>

#### Admissions Module: Reports

- SARACTM Admissions Count by College/Major
- SARADMS Admissions Application

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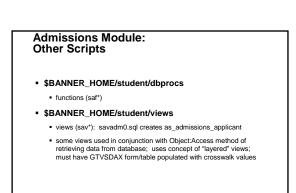
- SARDCSN Admission Decision Criteria
- Other reports and purge processes are also available for admissions module

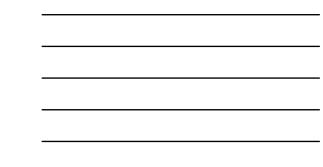
#### SARACTM

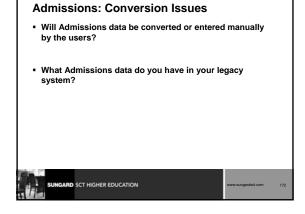
- Prints admission application count by college/major
- C program run from job submission

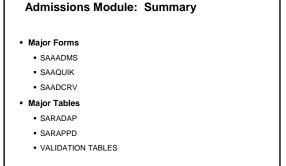
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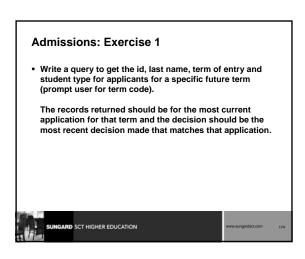


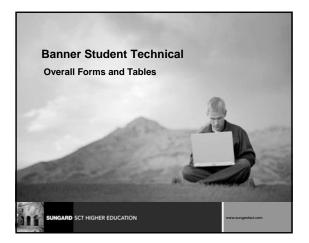






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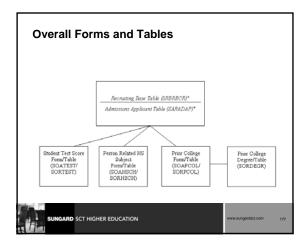


#### Overall Forms and Tables: Objectives

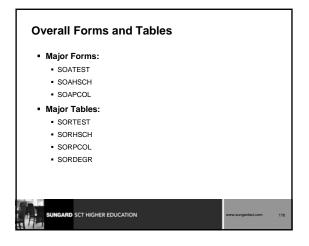
#### Examine/Review

- Major and Required Forms and Tables
- Conversion of Data
- Reports and Processes





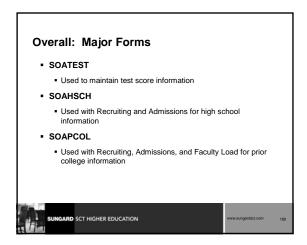


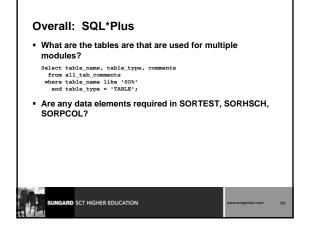


### Overall Forms and Tables Major Validation Tables/Forms:

- STVTESC
- STVSBGI
- STVDEGC

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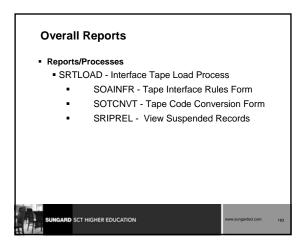




#### **Overall: Conversion Issues**

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- Will Overall data be converted or entered manually by the users?
- What Overall data do you have in your legacy system?
- How do you determine where to put it in Banner?



#### **Overall: Summary**

- Overall Forms and Tables are used for multiple modules
- Major Forms/Tables:
  - SOATEST/SORTEST
  - SOAHSCH/SORHSCH
  - SOAPCOL/SORPCOL

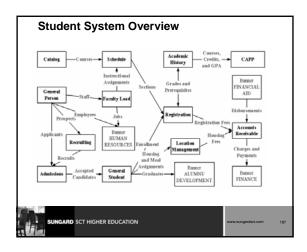
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ARD SCT HIGHER EDUCATION

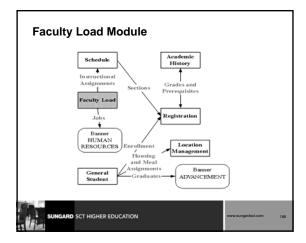
SORTAPE process

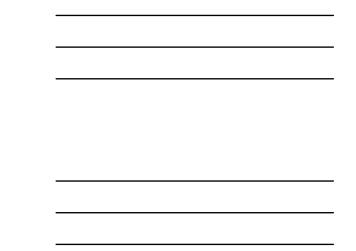
Overall: Exercise
<ul> <li>Get the following information about all applicants for a term (prompt for term):</li> </ul>
<ul> <li>Full Name, Entry Term, Test Code, Test Score, and High School GPA for Students who took either the ACT English or the SAT Verbal tests</li> </ul>
<ul> <li>Your query should return only records with values in all the above areas.</li> </ul>

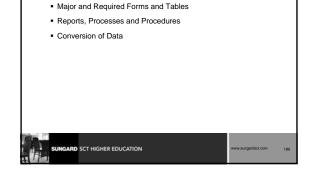






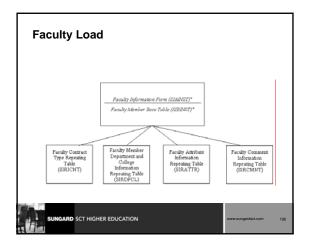




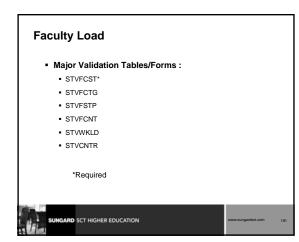


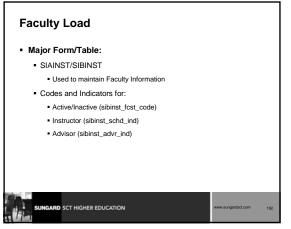
Faculty Load Module: Objectives

Examine/Review











#### Faculty Load: Additional Information

- SIAINST form also utilizes these tables (but data is not required in SIBINST):
  - SIRICNT Contract Info
  - SIRDPCL Department/College Info
  - SIRATTR Attributes
  - SIRCMNT Comments
- SORDEGR table is used in SIAFDEG form to maintain faculty degree information

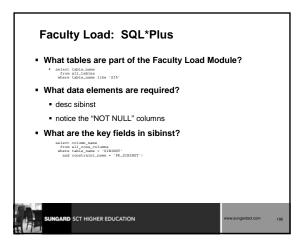
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#### **Faculty Load**

#### SIAASGN/SIRASGN

- This form/table contains faculty teaching assignments for a particular term
- Populated automatically when a faculty member is entered on the SSASECT form in the schedule module IF records exist in SIBINST (faculty status)

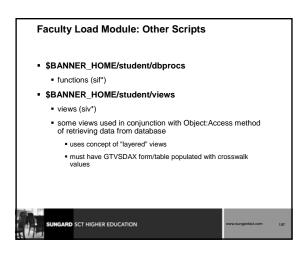
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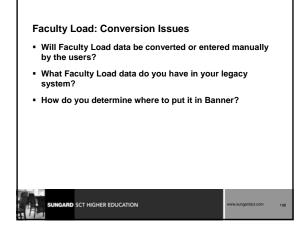


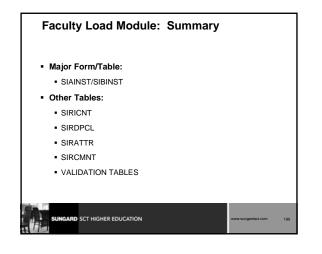
#### Faculty Load: Reports and Processes

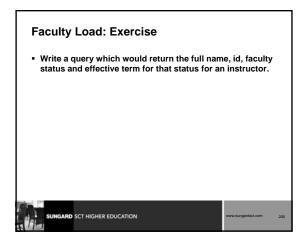
- SIPASGN -- Faculty Load Purge
- SIRASGQ -- Faculty Schedule Report
- SIRCTAL -- Faculty Load Contract Analysis Report
- SIRTRAL -- Faculty Load Term Analysis Report

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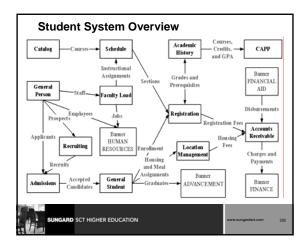




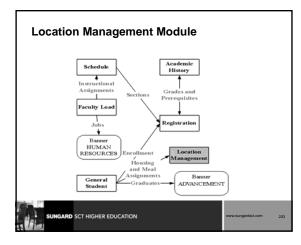


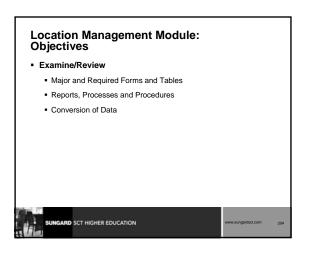




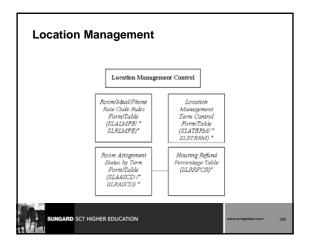




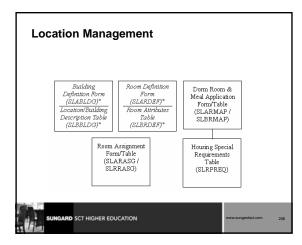




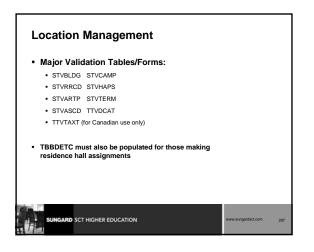




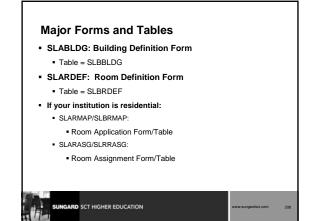


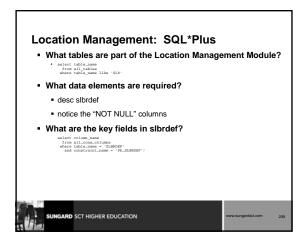


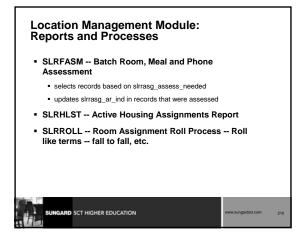












#### Location Management Module: Other Scripts

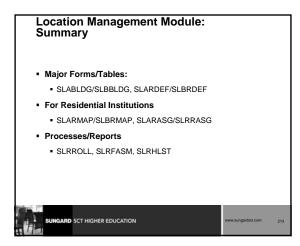
- \$BANNER\_HOME/student/dbprocs
   functions (slf\*)
- \$BANNER\_HOME/student/views
- views (slv\*): slvres0.sql creates view as\_residential\_life
- some views used in conjunction with Object:Access method of retrieving data from database; uses concept of "layered" views; must have GTVSDAX form/table populated with crosswalk values

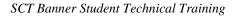
Location	Ma	nagement:
Conversi	on	Issues

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- Will your institution convert or manually enter Location
  Management information?
- What Location Management data do you have in your legacy system?
- How do you determine where to put it in Banner?





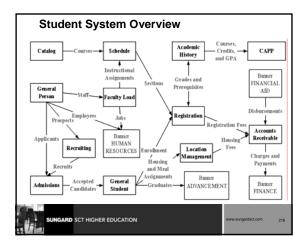


#### Location Management: Exercise

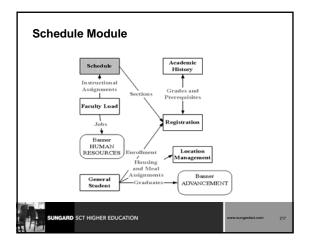
 Write a simple report that will show the residence hall assignments for a term (prompt the user for the term). On the report, show last name, id, term, building description and room.

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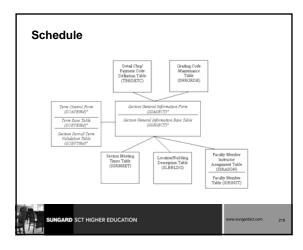


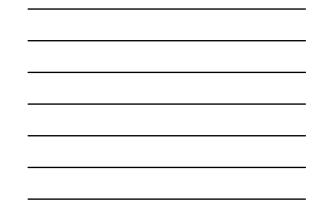
### Schedule Module: Objectives

### Examine/Review

- Major and Required Forms and Tables
- Reports, Processes and Procedures
- Conversion of Data

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### Schedule: SSASECT

- SSASECT/SSBSECT
  - Used to build and maintain schedule of classes
  - Much of the data defaults from Course Catalog (SCBCRSE, etc)
  - Connections with AR module through billing hours, tuition waivers

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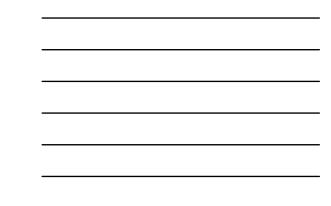
### Schedule: SOATERM

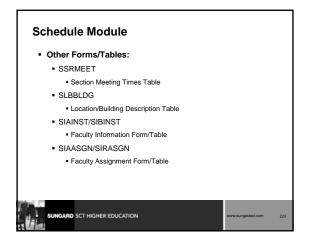
### Major Form/Table:

- SOATERM Form
- SOBTERM and SOBPTRM
- Used to set up controls for each term's schedule, registration, and fee assessment
- Before building the Schedule for a term, a beginning CRN must be set (CRN Oneup)

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Schedule			
<ul> <li>Major Valida</li> </ul>	ation Tables/Forms:		
STVTERM	STVLEVL		
STVPTRM	STVCAMP		
STVSSTS	STVSCHD		
STVSUBJ	STVGMOD		
STVDAYS	TBBDETC		
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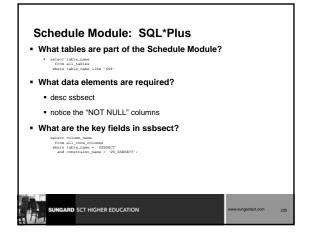




### SLQMEET and SSAMATX

- SLQMEET -- Available Classroom Query Form
   Only accessible through SSASECT
- SSAMATX -- Building/Room Schedule Form
  - Accessible through menu, direct access, other form (SSASECT)

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### Schedule: Reports and Processes

- SSPSCHD -- Schedule Purge Process
- SSRROLL -- Term Roll Process -- Roll like terms -- Fall to Fall
- SSRSECT -- Class Schedule Report
- SSRTALY -- Scheduled Section Tally

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### Schedule Module: Other Scripts

### \$BANNER\_HOME/student/dbprocs

functions (ssf\*)

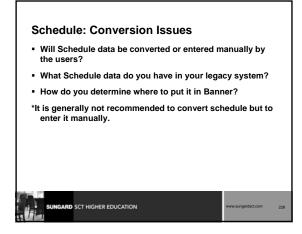
### \$BANNER\_HOME/student/views

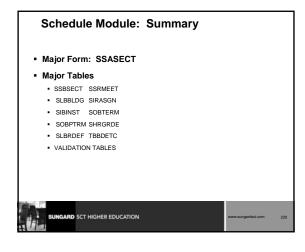
- views (ssv\*): ssvsec0.sql creates view as\_catalog\_schedule
- some views used in conjunction with Object:Access method of retrieving data from database

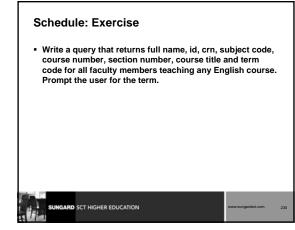
### uses concept of "layered" views

must have GTVSDAX form/table populated with crosswalk values

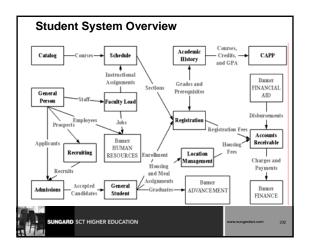
### SUNGARD SCT HIGHER EDUCATION



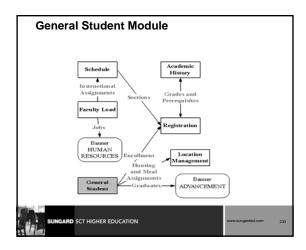


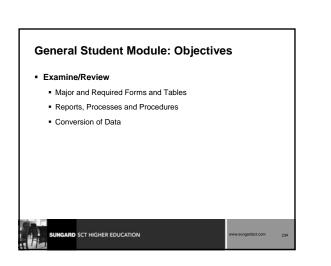






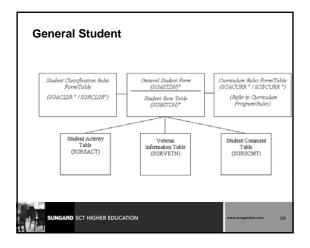




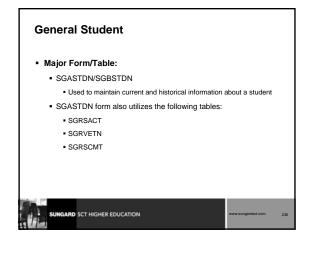


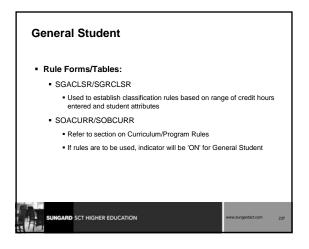


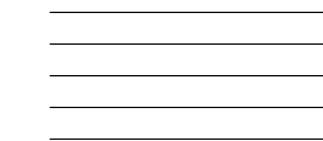


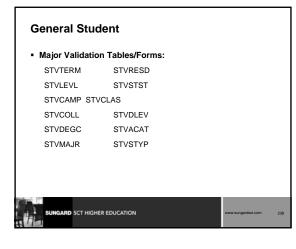


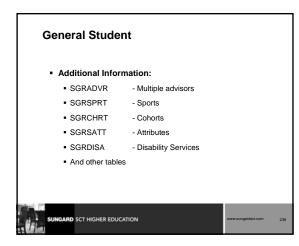


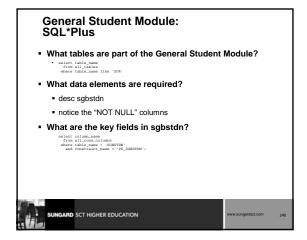












### General Student: Reports and Processes • SGPHOLD -- Hold Purge • SGPSTDN -- General Student Purge • SGRSTDN -- Student Report

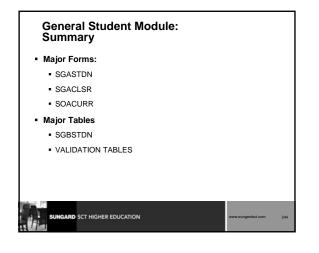
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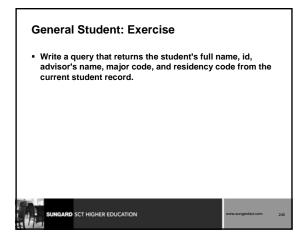
### General Student: Other Scripts • \$BANNER\_HOME/student/dbprocs • functions (sgf\*) • \$BANNER\_HOME/student/views • views (sgv\*): sgvstd0.sql creates view as\_student\_data • some views used in conjunction with Object:Access method of retrieving data from database • uses concept of "layered" views • uses concept of "layered" views • must have GTVSDAX form/table populated with crosswalk values

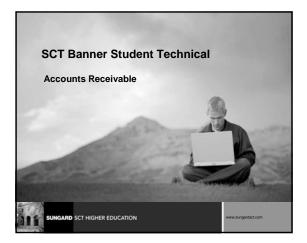
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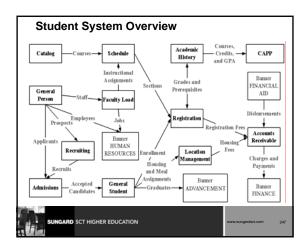
### General Student: Conversion Issues What General Student data do you have in your legacy system? How far back do you wish to go with your data conversion? How do you determine where to put legacy data in SCT Banner? Must have a student record with sgbstdn\_term\_code\_eff = first term of history

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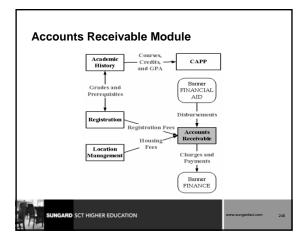




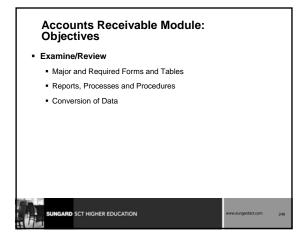


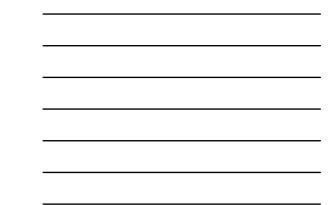


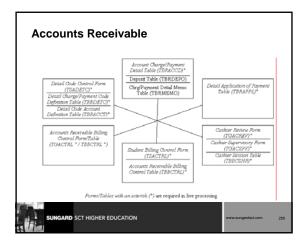




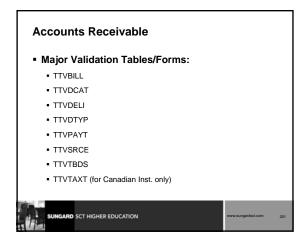


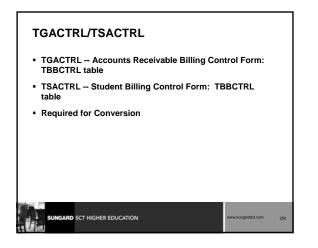








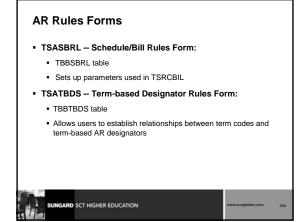


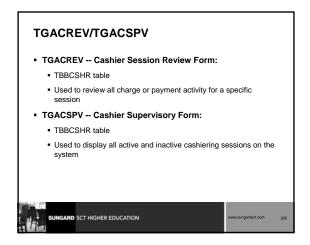


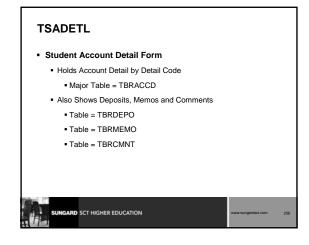
### TSADETC

- Enter detail code information
- Establish payment priorities used in TGRAPPL (application of payments process)
- TBBDETC, TBRACCT tables
- Establishes Interface with Finance Package
   Banner Finance or Third Party Package
- Set up Fund Codes, Account Numbers
- Required for conversion

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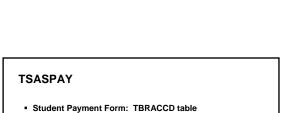


### **TSAAREV**

### Student Account Detail Review Form

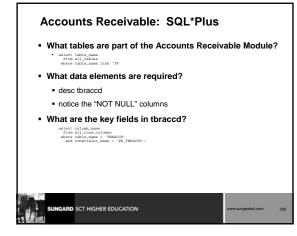
- Used to review and enter information about an account
- Presents an online view of each transaction by term
- Table: TBRACCD
- Also accessed from SFAREGS

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- Used to determine status of student's account for a term
- Can be used to accept charges, disburse financial aid
- Affected by changes in TSADETL, SFAREGS, SLAMASG and others



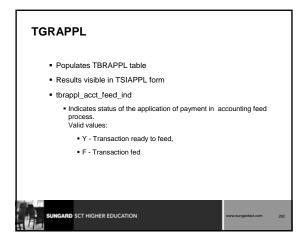


### Accounts Receivable: Reports and Processes

- TGRAPPL -- Application of Payment
- TGRFEED -- Accounting Feed Process
- TSRCBIL -- Invoice/Billing Statements

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## <section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><table-container> • Opplication of Payments Process • Applies payments to charges for accounts based on priority (tbbdetc\_priority)) • Creates correct accounting entries to be fed by TGRFEED process • C" program run from Job Submission • Gets other rules from TBBCTRL table



	-	r	
TBRACCD TABLE	TGRAPPL APPLIES:	BALANCES	TBRAPPL TABLE
\$35 ACTF [tran num 1]	\$7000 AMEX pmt [tbraccd tran num 3]	chg = \$0 pmt = \$6965	tbrappl_chg_tran_number 1 tbrappl_pay_tran_number 3 tbrappl_amount = \$35
\$7500 T101 [tran num 2]	\$6965 pmt bal [bal. of AMEX pmt tbraccd tran num 3]	chg = \$535 pmt = \$0	tbrappl_chg_tran_number 2 tbrappl_pay_tran_number 3 tbrappl_amount = \$6965
\$7000 AMEX [tran num 3]	applied to charges in trans 1 & 2		
\$535 CHEK [tran num 4]	\$535 CHEK pmt	chg. = \$0 pmt. = \$0	tbrappl_chg_tran_number 2 tbrappl_pay_tran_number 4 tbrappl_amount = \$535

TGRFEED		
Accounting Feed Process		
<ul> <li>C Program run from Job Submission</li> </ul>		
<ul> <li>Uses data from TBRAPPL, TBRDEPO, TBRMISD</li> </ul>	, TBRACCD	
<ul> <li>Refers to TBRACCT, TBBDETC, TBBCTRL tables distribution, detail information</li> </ul>	s for	
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### TGRFEED

- Creates GURFEED entries -- accounting detail records that interface Accounts Receivable module with the institution's financial accounting system
- Creates GURAPAY entries -- refund and check information
- Updates source tables to show that those records have been fed into the General Ledger
- Produces report that details debit and credit entries by account number

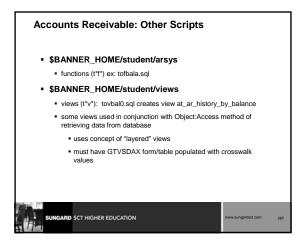
### **TSRCBIL**

### Student Invoice/Billing Statement

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- C program run from Job Submission
- Can be run in sleep/wake mode
- Rule parameters set on TSASBRL Bill Selection Parameters Window (TBBSBRL table)
- Updates AR indicators in SLRMASG, SLRPASG, SLRRASG, SFBETRM

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### Accounts Receivable: Conversion Issues

- Balance Forward
  - Set up controls on TSACTRL

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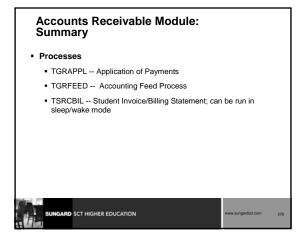
- Populate TBBDETC -- Detail Charge/Payment Code Definition
  Table
- Populate TBRACCT -- Detail Code Account Definition Table (Fund and Account Codes)

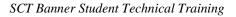
Accounts	Receivable Module:	
Summary		

### Major Forms

- TGACTRL, TSACTRL, TSADETC, TSADETL, TSAAREV, TGACREV, TGACSPV
- Major Tables
  - TBBCTRL, TBRACCT, TBBDETC, TBRACCD, TBRDEPO, TBRAPPL

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### Accounts Receivable: Exercise 1

• Find all columns in the Accounts Receivable module that have to do with detail codes.

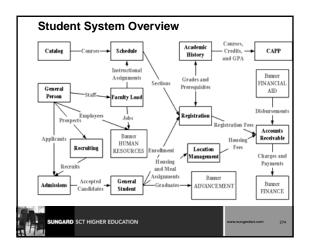
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### Accounts Receivable: Exercise 2

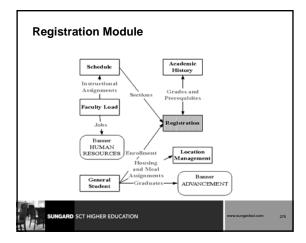
 Write a simple report that will show full name, id, term and balance from the student account detail table for a given term for those students with a balance > 0. Prompt user for term.

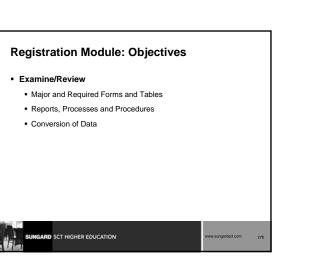




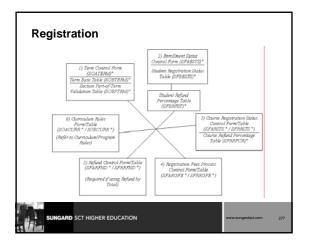




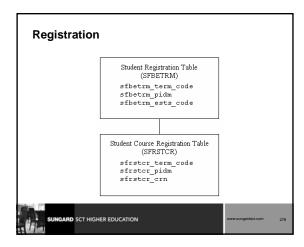


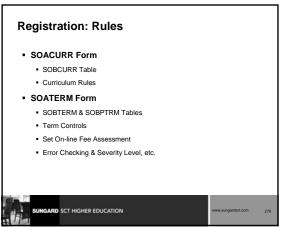


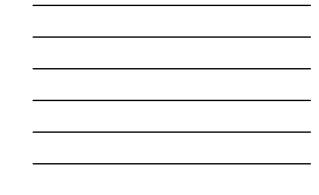


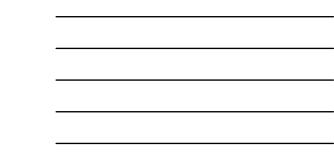


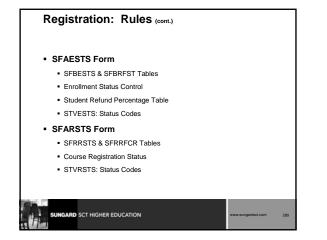








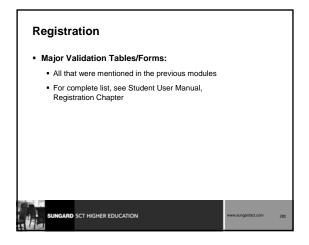




### Registration: Rules (cont.)

- SFARGFE Form
  - SFRRGFE Table
  - Registration Fees Process Control
- SFARFND Form
  - SFRRFND Table
  - Refund Control

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### Registration

### Major Form/Tables:

- SFAREGS Form
  - Form that is the mechanism for registering students
- SFBETRM Table containing Registration Status
- SFRSTCR Table containing Course Registrations

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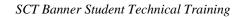
### Registration: Fee Assessment

- Done online or in batch process (SFRFASM)
- Uses rules built in Catalog, Schedule and Registration Modules
- Always writes a record to SFRCOLR (Registration Fee Assessment View Collector Table)
- SFRCOLR should be cleaned out periodically

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### Registration: Reports and Processes

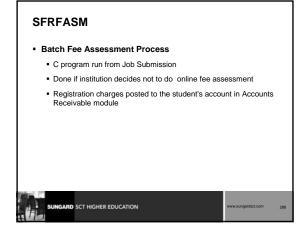
- SFRSCHD -- Student Schedule
   Can be run in sleep/wake mode
- SFRSLST -- Class Roster
- SFRFASM -- Batch Fee Assessment
- SFRRNOP -- Registered, Not Paid Process
- SFPREGS -- Registration Purge

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### SFRSCHD

- C program run from Job Submission
- Can be run in sleep/wake mode
- Prints student schedule for term

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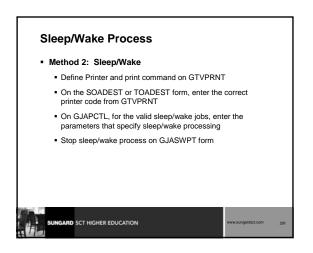
### SFRRNOP

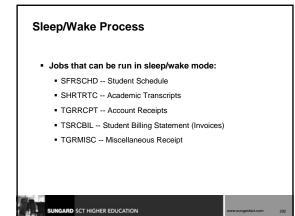
- Registered, Not Paid Process
- C program run from Job Submission
- Can be run in query or update mode
- Prints/purges all students registered but not paid for a term

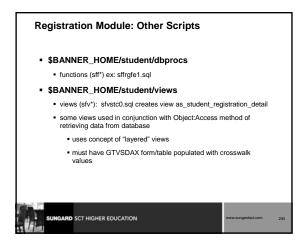
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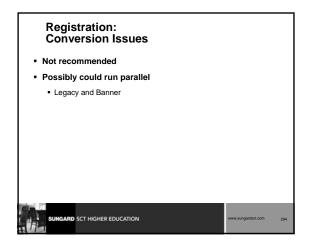
- Method of running jobs in cyclical or "sleep/wakeup" manner
- Two possible methods
  - 1. Submit from Operating System and terminate manually
    - scripts are in \$BANNER\_HOME/general/misc and \$BANNER\_HOME/general/plus
  - 2. Submit through Banner Job Submission (GJAPCTL form)

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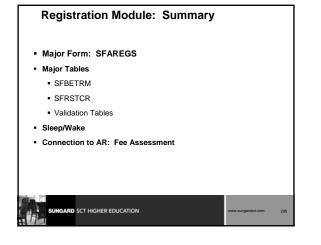


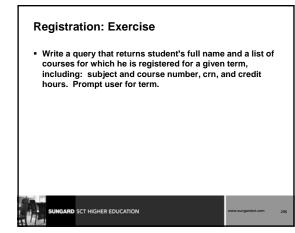


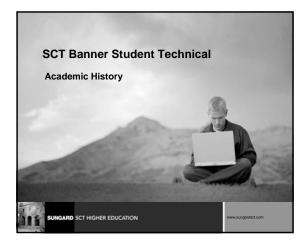


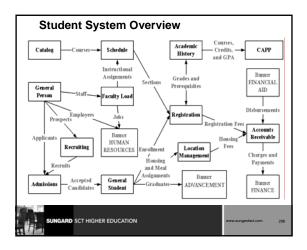




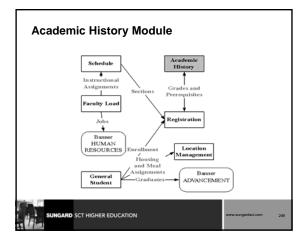


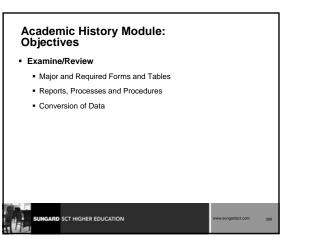




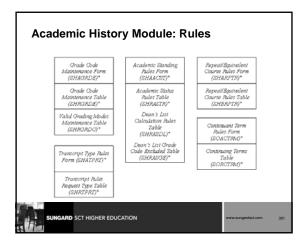




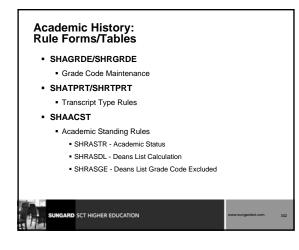


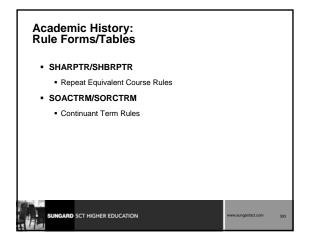


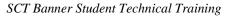


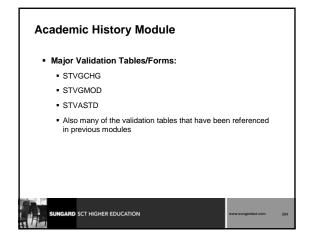




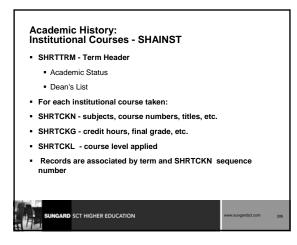


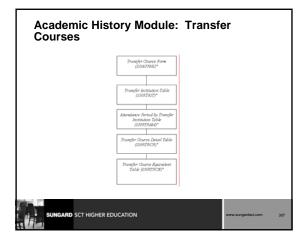




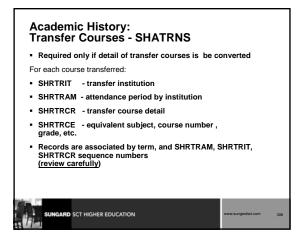


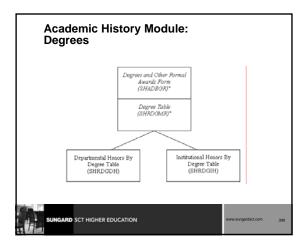


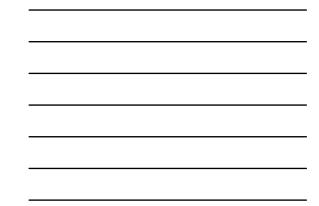


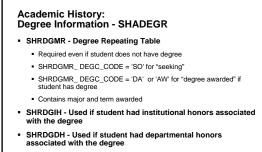




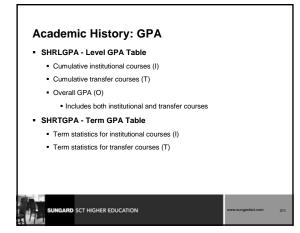


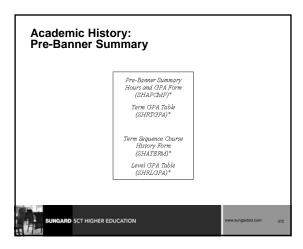


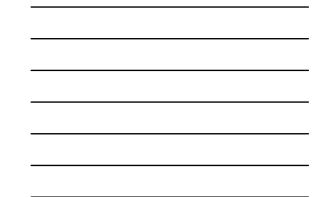




Records in SHRDGIH and SHRDGDH are associated by SHRDGMR sequence number









SHRTGPA

- Results displayed in SHAPCMP
- At *least* one record per student in SHRTGPA
  shrtgpa\_type\_ind = 'l'
  - would reflect total cumulative statistics
- Use '000000' as the term code
- Two possible records in SHRTGPA ('I' and 'T' GPA types)

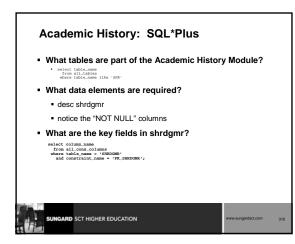
### Academic History: Summary Conversion

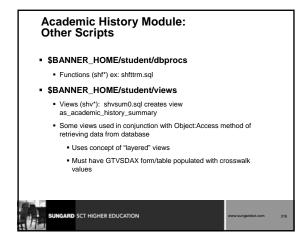
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SHRLGPA

- SHRLGPA could contain up to three records per student per level, but at least two records
- (I)nstitutional GPA and (O)verall GPA -- (T)ransfer GPA is the other possibility
- (O)verall will reflect Institutional and Transfer GPAs combined



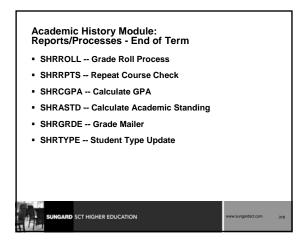




### Academic History: Conversion Issues

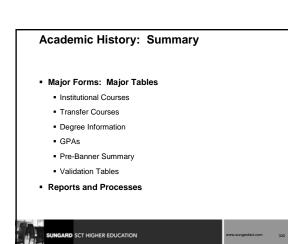
- · Will detailed academic history data be converted?
- Will you convert ALL academic history records or only a certain number of years?
- What academic history data do you have in your legacy system?
- How do you determine where to put it in Banner?

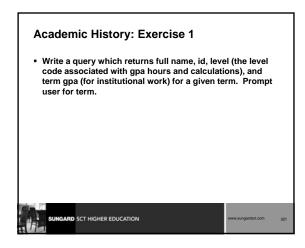




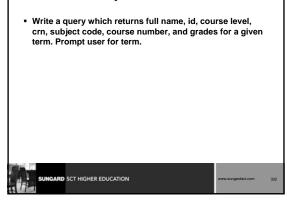
### Academic History Module: Reports and Processes • SHRTRTC -- Academic Transcript • Can be run in sleep/wake mode • SHRDEGS -- Degree Status Update

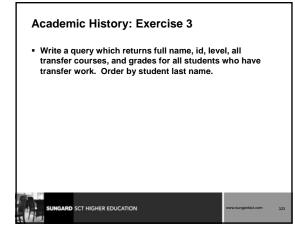
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### Academic History: Exercise 2







### Conversion

- Conversion Considerations
- Conversion Steps
- Conversion Strategies
- Seed Data
- Conversion Example



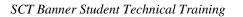
- Keeping track of PIDM on legacy system
- Generated ID or SSN?
- Name/Address formatting

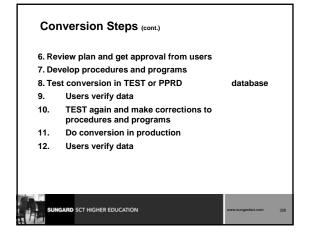
RD SCT HIGHER EDUCATION

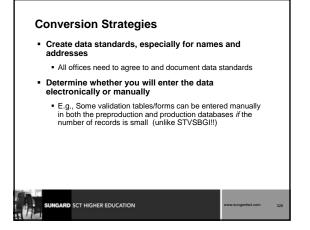
GARD SCT HIGHER EDUCATION

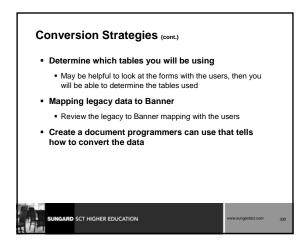
- Avoid "#" if using letter generation
- Additional data standards if using BannerQuest
- Address types
- Do you have Multiple ID's on legacy system?

# Conversion Steps nocument steps as you proceed Review current data **O bernine scope**What will you convert? Map legacy data to Banner tables What will you converted Banner tables to be populated Beadlines/timelines











### Seed Data

- The <u>Student Technical Reference Manual</u> lists all validation table values that must be kept in production
   System required indicator = 'Y'
- This does not mean one must use this information
- Most of this information is needed by external reports to third-parties

E.g., IPEDS

### Conversion Example Shows How To:

Convert data to three Banner tables

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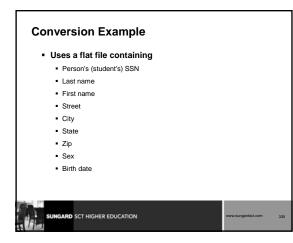
- Create, drop, and alter temporary tables
- Assign a pidm
- Use SQL\*LOADER to load temporary tables
- Use Update statement and Decode function to do crosswalk (translation)

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### Conversion Example Shows How To: (cont.)

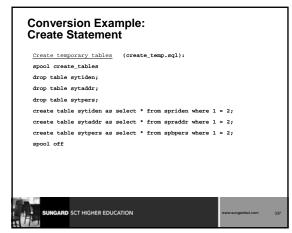
- Use Insert statement
- Use a shell script or command procedure
- Check the data when complete
- Clean up data if it is incorrect

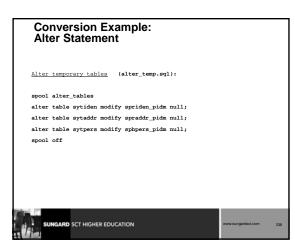
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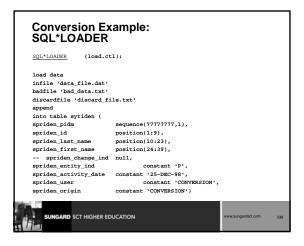


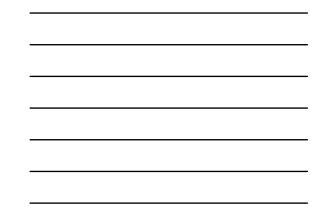
Convers • Example		xample				
210009506Abbe	Anthony	PO Box 21049	Malvern	PA19355226-MAR	77	
610009711Abbot	James	PO Box 27	Malvern	PA19355217-NOV	79	
210009101Adams	Andrew	803 King Street	Malvern	PA19355210-DEC	72	
610009101Adams	Anthony	20789 Lancaster Lr	Clarksville	PA15122210-DEC	74	
710000011Adams	Eugene	3400 Wendrow Way	University Par	kPA16802201-JAN	-01	
210009619Barker	Clementine	83 Park Avenue	New York	NY10013128-APR	72	
210009613Barker	James	854 Charlestown PM	King of Pruss:	iaPA19401201-DEC	77	
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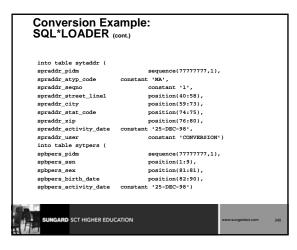




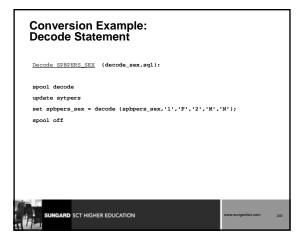


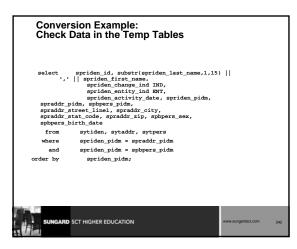




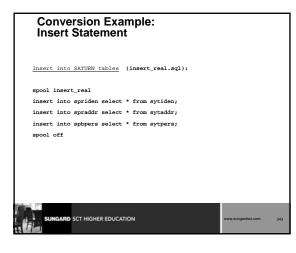


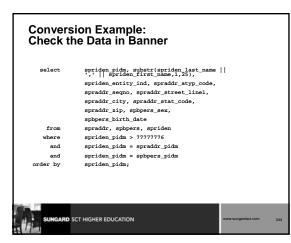


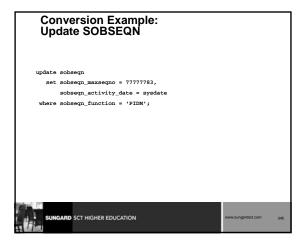














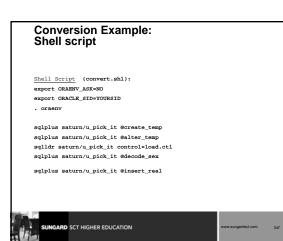
### Conversion Example: Clean the Data in Banner

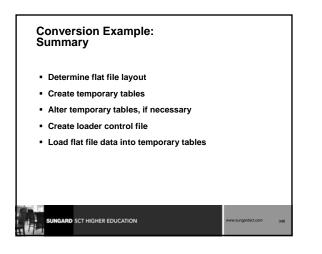
Clean SATURN tables (clean\_tables.sql)

spool clean\_tables

delete from spriden where spriden\_pidm > 77777776; delete from spraddr where spraddr\_pidm > 77777776; delete from spbpers where spbpers\_pidm > 77777776; spool off

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### Conversion Example: Summary (cont.)

- Translate codes using Decode, if necessary
- Check temporary table data
- Insert temporary table data into Banner tables
- Check data in Banner (in forms and tables)
- Update sobseqn
- Use shell script

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### Student Technical Training: Summary

- How to Contact SunGard SCT
- Banner Navigation
- Banner naming conventions
- Directory structure and content

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- Data Dictionary
- Referential Integrity
- Joining tables
- Job Submission, Sleep Wake, Reports and Processes
- Conversion

### Student Technical Training: Summary (cont.) • Student System • Catalog • Ceneral Person • Curriculum/Program and Overall Tables • Curriculum/Program and Ov

