

Information Technology Services

University System of Georgia Information Technology Services

Enterprise Data Management & Analytics



Test Plan Academic Release 1.20

ADC Spring End-of-Term (EOT) 20254

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Test Plan for Academic Release 1.20

Preparation for Testing

Academic Release 1.20 and Data Collections ETL (ZADMETL) 1.3 must be applied to your TEST database to prepare for testing. Please follow the steps below to prepare for testing the release:

Step 1

Apply Academic Release 1.20 to the Banner database using the parameters for Spring EOT 20254.

Step 2

Setup and/or identify test cases for testing the extraction and editor.

Step 3

In Banner, run the Data Collection Extraction process (ZADMETL) from Banner Job Submission (GJAPCTL).

Step 4

Turn on the ITS version of GlobalProtect VPN. For download, install, and login instructions, email DW_Test@usq.edu.

Step 5

Run the USG Extract in the TEST environment using the following URL:

<https://appst.ds.usq.edu/ords/f?p=38576>

Step 6

Review the Data Submission Error report to validate changes included in the release in the Cognos TEST environment using the following URL:

<https://analyticst.ds.usq.edu/bi/>

Georgia Match Unverified HOPE GPA

Purpose

The Georgia Match Unverified HOPE GPA is available to institutions for use in admission decisions for Fall 2025. For tracking purposes, the Georgia Match Unverified HOPE GPA will be entered on the Banner Test Score Information (SOATEST) page using common test code 'GMHGPA'.

Functionality delivered with this release:

Academic Release 1.20 includes the collection of new data element Georgia Match Unverified HOPE GPA (STE115). Although entered in Banner as a test code, the GPA will be collected and stored in the ADMSTU_ENR_MATRIC_MIMIC table under column name 'GA_MATCH_HOPE_GPA'. The following validations have been created to ensure that the collected GPA is a 4 character numeric value (#.##) between 0.00 and 4.00

- VSTE333 - If the Georgia Match Unverified HOPE GPA is not null, the decimal point must be in the second position of the four-character field.
- VSTE334 - If the Georgia Match Unverified HOPE GPA is not null, it must be between 0.00 and 4.00.

To avoid confusion, the names of the following similar data elements will be modified:

Element	Old Name	New Name
STE008	Admissions High School Grade Point Average	Calculated Admissions High School GPA
STE033	HOPE GPA	College Level Cumulative HOPE GPA
SGC011	HOPE GPA	College Level Cumulative HOPE GPA

Data element Test Code (STR001) will also be modified to add the 'GMHGPA' as a valid test code value.

Test Scenarios:

Test Scenario 1a: New Data Element

In Cognos, generate a Data Element Dictionary (DED) using the Data Dictionary > Download PDF option. Verify that the following changes are in the DED:

Verify the presence of new element Georgia Match Unverified HOPE GPA (STE115) as shown below:

Georgia Match Unverified HOPE GPA (STE115)	
Category	Academic / Student / Student Term Enrollment / STE115
Description	The unverified high school HOPE GPA provided by the Georgia Student Finance Commission as part of the Georgia Match program.
Data Type	N

Length	4		
Format	X		
Collection Period	Current: mid-term and end of term		
Business Practices	<p>The Georgia Match Unverified HOPE GPA should be entered on the Banner Test Score Information (SOATEST) page using test code 'GMHGPA'.</p> <p>Only one Georgia Match HOPE GPA should be entered for a student. If the Georgia Match HOPE GPA is used in the Admission Decision, this data should not be updated after Admission with a subsequent Georgia Match HOPE GPA.</p>		
Validation Rules	<p>VSTE333 - If the Georgia Match Unverified HOPE GPA is not null, the decimal point must be in the second position of the four-character field.</p> <p>VSTE334 - If the Georgia Match Unverified HOPE GPA is not null, it must be between 0.00 and 4.00.</p>		
Valid Values			
Data Source	<p>Provider: Banner</p> <p>Table: SORTEST</p> <p>Column: SORTEST_TEST_SCORE</p> <p>GUI Name: SOATEST</p> <p>GUI Label: Test Score</p> <p>SOAXREF Translation Code:</p>		
Effective Terms	<p>Start: 20254</p> <p>End: (None)</p>		
Old DW Reference			
Legacy Element ID			
Change History	Academic_Term	Change_Date	Change_Notes
	20254	Mar 19, 2025	Created new data element Institution Georgia Match Unverified HOPE GPA – STE115.

Testing successful? (check one) Yes No

Test Scenario 1b: Updated Data Elements

Using the DED generated in Test Scenario 1a, verify the following changes:

Edits made to existing element HOPE GPA (STE033)

- The element name should be changed from 'HOPE GPA' to 'College Level Cumulative HOPE GPA'.
- The Business Practices section should display the following:
 - This field may be null for students who do not receive HOPE.
If the College Level Cumulative HOPE GPA is null and the Historical Snapshot Indicator is 'Y', then the Most Recent Checkpoint GPA will be collected.
- The Change History should be updated to display the following:
 - Academic_Term: 20254
 - Change_Date: Mar 19,2025
 - Change_Notes: Changed the element name from HOPE GPA to College Level Cumulative HOPE GPA.

Testing successful? (check one) Yes No

Edits made to existing element HOPE GPA (SGC011)

- The element name should be changed from 'HOPE GPA' to 'College Level Cumulative HOPE GPA'.
- The Business Practices section should display the following:
 - This field may be null for students who do not receive HOPE.
A HOPE GPA = 0.00 means that the student attempted HOPE CREDIT HOURS but made at least one F.
If the College Level Cumulative HOPE GPA is null and the Historical Snapshot Indicator is 'Y', then the Most Recent Checkpoint GPA will be collected.
- The Change History should be updated to display the following:
 - Academic_Term: 20254
 - Change_Date: Mar 19,2025
 - Change_Notes: Changed the element name from HOPE GPA to College Level Cumulative HOPE GPA.

Testing successful? (check one) Yes No

Edits made to existing element Admissions High School Grade Point Average (STE008)

- The element name should be changed from 'Admissions High School Grade Point Average' to 'Calculated Admissions High School GPA'.
- The Change History should be updated to display the following:
 - Academic_Term: 20254
 - Change_Date: Mar 19,2025
 - Change_Notes: Changed the element name from Admissions High School Grade Point Average to Calculated Admissions High School GPA.

Testing successful? (check one) Yes No

Test Scenario 2:

Identify students for Spring EOT that have a Georgia Match Unverified HOPE GPA entered on SOATEST. If no Spring EOT students have a Georgia Match Unverified HOPE GPA, temporarily assign a GPA to a sample of students using the instructions provided in Appendix B.

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file to verify that all ZADMETL steps show status "SUCCESS". If ZADMETL completed successfully, this test scenario is successful.

If ZADMETL completed successfully in Test Scenario 2, run the ADC extraction. Verify that the ADC extraction runs successfully.

Testing successful? (check one) Yes No

Test Scenario 3:

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20254 – EOT > Student > Student Matriculation (ods_admstu_enr_matric_mimic) > View / Download to review the Data Submission Errors report for the following validation errors related to the Georgia Match Unverified HOPE GPA.

Verify that the following validation errors were not received:

- VSTE333 - If the Georgia Match Unverified HOPE GPA is not null, the decimal point must be in the second position of the four-character field.
- VSTE334 - If the Georgia Match Unverified HOPE GPA is not null, it must be between 0.00 and 4.00.

Testing successful? (check one) Yes No

Test Scenario 4:

Using a test student for Spring EOT, attempt to enter invalid Georgia Match Unverified HOPE GPAs on SOATEST. Please try using a numeric GPA value outside of the valid range (ex: 4.15) and a GPA that includes a non-numeric character (ex: 3.1N). If Test Code 'GMHGPA' was set up correctly on the Banner Test Code Validation (STVTESC) page, you should receive an error message stating that test score is outside of the valid range or that the test score contains non-numeric characters.

This test step is successful if you are unable to enter a GPA that is outside of the valid range or a GPA that contains a non-numeric character.

Testing successful? (check one) Yes No

Test Scenario 5:

Using a test student for Spring EOT, enter a Georgia Match Unverified HOPE GPA on SOATEST that is numeric, but less than four characters (ex: 3.5 instead of 3.50). Save the record.

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file to verify that all ZADMETL steps show status “SUCCESS”. If ZADMETL completed successfully, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Data Submission Errors > Institution Summary > Submission Term: 20254 – EOT > Student > Student Matriculation (ods_admstu_enr_matric_mimic) > View / Download to review the Data Submission Errors report for the following validation errors related to the Georgia Match Unverified HOPE GPA.

Verify that the following validation error was received:

- VSTE333 - If the Georgia Match Unverified HOPE GPA is not null, the decimal point must be in the second position of the four-character field.

Testing successful? (check one) Yes No

If you assigned Georgia Match Unverified HOPE GPAs to student records for testing purposes in any test scenario above, please remove the GPAs from the student records.

If testing was unsuccessful, please explain issues, in detail, here:

Signature: _____

Title: _____

Institutional Major and Program Code Descriptions

Purpose

The Associate Vice Chancellor for Academic Programs and Policy works with institutions to troubleshoot corrections of historical enrollment/graduation data and in assigning CIP Codes for new programs. This work often includes the use of institutional major and program codes. While these codes are collected in the Academic Data Collection (ADC), the descriptions are not. Collection of the descriptions will aid in the trouble shooting and CIP Code review processes.

Functionality delivered with this release:

This release includes the creation and collection of four new data elements which will be added to the Academic Data Element Dictionary and collected beginning in Spring EOT 20254:

- Awarded Students:
 - SPA016: Institutional Major Code Description
 - SPA017: Institution Program Code Description
- Enrolled Students:
 - SPE016: Institutional Major Code Description
 - SPE017: Institution Program Code Description

Since these fields are institutional values rather than standard system values, no translations or validation rules are required.

Test Scenarios:

Test Scenario 1:

In Cognos, generate a data element dictionary using the Data Dictionary > Download PDF option. Verify the following new data elements:

Institutional Major Code Description (SPA016)	
Category	Academic / Graduation / Student Graduation Program / SPA016
Description	The description of the Institutional Major Code for an awarded degree or certificate.
Data Type	A/N
Length	30
Format	X
Collection Period	Following: mid-term and end of term

Business Practices			
Valid Values			
Data Source	Provider: Banner Table: STVMAJR Column: STVMAJR_DESC GUI Name: STVMAJR GUI Label: Description SOAXREF Translation Code:		
Effective Terms	Start: 20254 End: (None)		
Old DW Reference			
Legacy Element ID			
Change History	Academic_Term	Change_Date	Change_Notes
	20254	3/19/2025	Created new data element Institutional Major Code Description - SPA016

Institution Program Code Description (SPA017)	
Category	Academic / Graduation / Student Graduation Program / SPA017
Description	The description of the Institution Program Code for an awarded degree or certificate.
Data Type	A/N
Length	30
Format	X
Collection Period	Following: mid-term and end of term
Business Practices	
Valid Values	
Data Source	Provider: Banner Table: SMRPRLE Column: SMRPRLE_PROGRAM_DESC GUI Name: SMAPRLE GUI Label: Description

	SOAXREF Translation Code:		
Effective Terms	Start: 20254 End: (None)		
Old DW Reference			
Legacy Element ID			
Change History	Academic_Term	Change_Date	Change_Notes
	20254	3/19/2025	Created new data element Institution Program Code Description – SPA017.

Institutional Major Code Description (SPE016)			
Category	Academic / Student / Student Program Enrolled / SPE016		
Description	The description of the Institutional Major Code for an enrolled student's field of study.		
Data Type	A/N		
Length	30		
Format	X		
Collection Period	Current: mid-term and end of term		
Business Practices			
Valid Values			
Data Source	Provider: Banner Table: STVMAJR Column: STVMAJR_DESC GUI Name: STVMAJR GUI Label: Description SOAXREF Translation Code:		
Effective Terms	Start: 20254 End: (None)		
Old DW Reference			
Legacy Element ID			
Change History	Academic_Term	Change_Date	Change_Notes

	20254	3/19/2025	Created new data element Institutional Major Code Description – SPE016.
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Institution Program Code Description - Enrolled (SPE017)			
Category	Academic / Student / Student Program Enrolled / SPE017		
Description	The description of the Institution Program Code for an enrolled student's field of study.		
Data Type	A/N		
Length	30		
Format	X		
Collection Period	Current: mid-term and end of term		
Business Practices			
Valid Values			
Data Source	Provider: Banner Table: SMRPRLE Column: SMRPRLE_PROGRAM_DESC GUI Name: SMAPRLE GUI Label: Description SOAXREF Translation Code:		
Effective Terms	Start: 20254 End: (None)		
Old DW Reference			
Legacy Element ID			
Change History	Academic_Term	Change_Date	Change_Notes
	20254	3/19/2025	Created new data element Institution Program Code Description – SPE012.

Testing successful? (check one) Yes No

Test Scenario 2:

Run the ZADMETL process for parameter value A to generate output for ADC. Review the .lis file to verify that all ZADMETL steps show status “SUCCESS”. If ZADMETL completed successfully in Test Scenario 2, run the ADC extraction. Verify that the ADC extraction runs successfully.

In Cognos, navigate to Submission Status > Submission Summary > Submission Term: 20254 – EOT > Graduation > Program Awarded (ods_admgrad_program_mimic) > View / Download to review the Table Dump - Graduation Program Awarded report. Review a selection of students to ensure that the collected INST_MAJOR_CODE_DESCR and PROGRAM_CODE_DESCR values are correct.

Testing successful? (check one) Yes No

Test Scenario 3:

In Cognos, navigate to Submission Status > Submission Summary > Submission Term: 20254 – EOT > Student > Program Enrolled (ods_admstu_prog_enroll_mimic) > View / Download to review the Table Dump – Student Program Enrollment report. Review a selection of students to ensure that the collected INST_MAJOR_CODE_DESCR and PROGRAM_CODE_DESCR values are correct.

Testing successful? (check one) Yes No

If testing was unsuccessful, please explain issues, in detail, here:

Signature:

Title:

Appendix A: Document Change History

This section details the history of the document and updates made for each modification.

Release and Date	Form/Process	Page	Update Description
March 17, 2025	N/A	N/A	Initial release of beta test plan.

Appendix B: Georgia Match Unverified HOPE GPA Setup

The following steps should be followed to set up the Georgia Match Unverified HOPE GPA code 'GMHGPA' as a test code.

Step 1: Create Test Code 'GMHGPA' on the Banner Test Code Validation (STVTESC) page using the following values:

- Test Code: GMHGPA
- Description: GA Match Unverified HOPE GPA
- Maximum Number of Positions: 4
- Data Type: Checked (numeric test scores)
- Minimum Score: 0.00
- Maximum Score: 4.00

The entry for GMHGPA should look like the entry below:

TEST CODE VALIDATION					
Test Code *	Description *	Maximum Number of Positions *	Data Type *	Minimum Score	Maximum Score
GEDM	GED Math	2	<input checked="" type="checkbox"/>	20	80
GEDN	GED Science	2	<input checked="" type="checkbox"/>	20	80
GEDS	GED Social Studies	2	<input checked="" type="checkbox"/>	20	80
GEDT	GED Total	3	<input checked="" type="checkbox"/>	100	400
GEDW	GED Writing Skills	2	<input checked="" type="checkbox"/>	20	80
GEOG	Geography Test	2	<input checked="" type="checkbox"/>	00	50
GL	German with Listening	3	<input checked="" type="checkbox"/>	200	800
GM	German	3	<input checked="" type="checkbox"/>	200	800
GMHGPA	GA Match Unverified HOPE GPA	4	<input checked="" type="checkbox"/>	0.00	4.00
GR01	GRE Verbal Code	3	<input checked="" type="checkbox"/>	200	800

Step 2: Enter GMHGPA on the Banner Test Score Information (SOATEST) page. The Test Score is the Georgia Match Unverified HOPE GPA value. The Test Date is the date the file was received from the Georgia Student Finance Commission.

TEST SCORE INFORMATION			
Test Code *	Description	Test Score *	Test Date *
GMHGPA	GA Match Unverified HOPE GPA	3.95	05/15/2024
Test Scores (1)	Test Scores (2)	Test Scores (3)	Record 1 of 1
Admission Request	Source	Equivalency Indicator	
Revised or Recentered			