

GA Ed-Fi Suite v3.6.2, Data Standard v4.0: Student Program Associations

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Summary

This association represents the program(s) that a student participates in or is served by.

Required Resources (Upstream)

The following resources must be sent prior to this resource:

- Programs
- Schools (Pre-populated)
- Students

Dependent Resources (Downstream)

The following resources are dependent on this resource (must be sent after this resource):

- N/A

Error Log

The following are potential Tier 1 (Ed-Fi API generated) or custom (Campus generated) errors you may receive when posting, updating, or deleting this resource. Please keep in mind that the "Error Message" below may not match your exact error message.

Error Message	Possible Causes / How to Fix
400: Validation of ' RESOURCE ' failed. FIELD is required.	<p>An element of the JSON that is required is missing and needs to be added.</p> <ul style="list-style-type: none"> • Double check that all bolded data elements below are reporting a valid value and no data elements below are reporting an invalid value.
400: ' RESOURCE ' failed. RESOURCE reference could not be resolved.	<p>A resource that was referenced from a difference resource does not yet exist.</p> <ul style="list-style-type: none"> • Resync the resource being mentioned in the error, then resync the errored resource. Alternatively, the resource being referenced may be incorrect. This can happen with Schools and the Ed-Fi School ID being used as an example. Double check the referenced values being sent are valid.
403: Authorization denied. The claim does not have any established relationships with the requested resource.	<p>The key/secret being used does not have permission to send a record for the resource / referenced resource.</p> <ul style="list-style-type: none"> • Double check your API credentials (key/secret). Sometimes specific keys/secrets cannot report specific resources. • The referenced person (student, staff, parent, contact, etc.) has not yet been associated to the key/secret. Resync their "linking" resource (Students → Student School Associations, Staffs → Staff Education Organization Assignment Associations, etc.) then resync the errored resource.

	<ul style="list-style-type: none"> The referenced person (student, staff, parent, contact, etc.) may not exist in the ODS yet. Resync the "person" resource and the "linking" resource (Students → Student School Associations, Staffs → Staff Education Organization Assignment Associations, etc.) then resync the errored resource.
404: Failed to delete ' RESOURCE '. Record does not exist.	<p>The attempt to delete a specific Ed-Fi record ID in the ODS failed because it did not exist.</p> <ul style="list-style-type: none"> This error can be ignored. The ID was cleared from the Ed-Fi Identity Mapping Report and will not attempt to delete again.
409: A natural key conflict occurred when attempting to create a new resource ' RESOURCE ' with a duplicate key.	<p>The Ed-Fi API has a natural key system alongside a standard REST ID system. This error is often protecting against the erroneous creation of a duplicate record in the API. However, it may also indicate that the natural key requirements of the Ed-Fi API have not been satisfied, and the key needs to be modified.</p> <ul style="list-style-type: none"> Check for duplicate data in your Campus site. If no duplicate data can be found, report the issue to Campus Support. <ul style="list-style-type: none"> This can be caused by numerous issues. Our code may be attempting to send duplicate records when it should not. The natural key (bolded fields below) may not be unique enough to satisfy Ed-Fi requirements in all cases. Most times this error will require a code change to fix.
409: The resource (or a subordinate entity of the resource) cannot be deleted because it is a dependency of the ' RESOURCE ' entity.	<p>The resource that the application is attempting to delete is referenced from another entity.</p> <ul style="list-style-type: none"> Use the Delete Tool to delete the referenced resource in the error message. Then retry the delete on the original resource that errored.
500: Internal Server Error.	<p>Something unexpected happened and no specific error message could be returned.</p> <ul style="list-style-type: none"> This issue usually occurs when the ODS is having issues. Confirm that there are no issues with the ODS the data is being sent to and then attempt to retry the errored record. Contact Campus Support if 500 errors continue to occur, can be replicated consistently, and the ODS the data is being sent to has no ongoing issues. <ul style="list-style-type: none"> There is a chance that Campus Ed-Fi code is sending an invalid JSON request resulting in the 500 error. There is a chance that an Ed-Fi Data Standard / API bug is causing the issue. Investigation is needed in these cases as there are many different potential causes.

Error loading the extension!

Academic Programs

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Object Triggering Logic

Academic Programs are set-up by the district/school in [Academic Program Setup](#). *Academic Programs* are assigned to students in [Academic Planning](#).

Action	Business Rule(s)
Post	<p>When the student has an <i>Academic Program</i> record that overlaps an Enrollment and the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting Calendar Exclude School Exclude The <i>Academic Program</i> must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the <i>Academic Program</i>. <ul style="list-style-type: none"> The Programs record must exist in the ODS prior to sending a Student Program Associations record. If the Programs record does not already exist in the ODS and a mapping is present in Resource Preferences > Programs, the Programs record will be sent prior to the Student Program Associations record. If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> Primary > Partial > SPED Earliest Start Date Latest Enrollment ID
Delete/Post	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p>
Put	<ul style="list-style-type: none"> When the following information on the student's associated <i>Academic Program</i> is changed:

	<ul style="list-style-type: none"> ◦ Academic Program ID (New Academic Program) ◦ Start Date ◦ End Date ◦ Program • When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> ◦ Enrollment ID (New Enrollment) ◦ No Show ◦ State Exclude ◦ Start Date ◦ End Date • When the following information on the <i>Academic Program</i> set-up changes: <ul style="list-style-type: none"> ◦ Name
Delete	<ul style="list-style-type: none"> • When the <i>Academic Program</i> Start and End Dates are changed so that they no longer overlap the configured year. • When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year. • When the <i>Academic Program</i> is deleted. • When the Enrollment is deleted.

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Academic Program Name programTypeDescriptor = Ed-Fi Code mapped to the Academic Program in Resource Preferences > Programs <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the latest of the following dates:</p> <ul style="list-style-type: none"> Academic Program Start Date Enrollment Start Date <div>✓ CATs</div>	M	Academic Planning Enrollment	ProgramParticipation.startDate Enrollment.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the Academic Program End Date</p> <ul style="list-style-type: none"> If the calculated beginDate is after the Academic Program End Date, report the calculated beginDate. Do not report if Academic Program End Date is Blank / NULL <div>✓ CATs</div>	C	Academic Planning	ProgramParticipation.endDate	✗
6	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
7	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
8	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
9	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A



10	services	This is optional, does not report.	O	N/A	N/A	N/A
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Alternative Education (01_ Programs)

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Object Triggering Logic

Alternative Education programs assigned to students in [Alternative Education](#).

Action	Business Rule(s)
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Post	<p>When the student has an Alternative Education record that overlaps an Enrollment in the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting Calendar Exclude School Exclude A Programs record for the Alternative Education program must exist in the ODS prior to sending a Student Program Association for Alternative Education. If the Alternative Education Programs record does not already exist in the ODS, it will be sent prior to the Student Program Associations record. If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> Primary > Partial > SPED Earliest Start Date Latest Enrollment ID
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> When the following information on the student's associated Alternative Education record is changed: <ul style="list-style-type: none"> Alternative Education Record ID (New Alternative Education record) Start Date End Date Program Type Alternate School ID When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> Enrollment ID (New Enrollment) No Show State Exclude Start Date



	<ul style="list-style-type: none"> ◦ End Date
Delete	<ul style="list-style-type: none"> • When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year. • When the Alternative Education record is deleted. • When the Enrollment is deleted.

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Name of Program Type selected. programTypeDescriptor = Code of Program Type selected. <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the Start Date.</p> <div>✓ CATs</div>	M	Alternative Education	AltProgram.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the End Date.</p> <div>✓ CATs</div>	C	Alternative Education	AltProgram.endDate	✗
6	alternateEducationOrganizationId	<p>Indicates Alternate Education Organization Id.</p> <p>Report the Alternative School ID.</p> <ol style="list-style-type: none"> Report the concatenated value for the data element alternateEducationOrganizationID <ol style="list-style-type: none"> Concatenated value = a) the Alternative Systems field AltProgram.districtNumber (3 digits) + b) AltProgram.locationID (4digits with zero padding in front) if the value from the district list = 7 digits, report that value instead (i.e. 7830610 Coweta Charter Academy) if a 7 digit value cannot be reported, do not report a value for alternateEducationOrganizationID <div>✓ CATs</div>	C	Alternative Education	AltProgram.locationID AltProgram.districtNumber	EXT

		CAIS				
7	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
8	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
9	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
10	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A
11	services	This is optional, does not report.	O	N/A	N/A	N/A

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Career Academy (03_Programs)

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Object Triggering Logic

Career Academy programs assigned to students in [Career and Technical Education \(CTE\)](#).

Action	Business Rule(s)
Post	<p>When the student has a CTE record that overlaps an Enrollment in the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting Calendar Exclude School Exclude

	<ul style="list-style-type: none"> • A Programs record for the CTE program must exist in the ODS prior to sending a Student Program Association for CTE. If the CTE Programs record does not already exist in the ODS, it will be sent prior to the Student Program Associations record. • If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> ◦ Primary > Partial > SPED ◦ Earliest Start Date ◦ Latest Enrollment ID
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> • When the following information on the student's associated GNETS record is changed: <ul style="list-style-type: none"> ◦ CTE Record ID (New CTE record) ◦ Start Date ◦ End Date • When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> ◦ Enrollment ID (New Enrollment) ◦ No Show ◦ State Exclude ◦ Start Date ◦ End Date
Delete	<ul style="list-style-type: none"> • When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year. • When the CTE record is deleted. • When the Enrollment is deleted.

Object Data Elements Logic

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- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

alternateEducationOrganizationId

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Career Academy (Hard-Coded). programTypeDescriptor = 03A (Hard-Coded). <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the Start Date.</p> <div>✓ CATs</div>	M	Career and Technical Education (CTE)	CareerTechnicalEducation.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the End Date.</p> <div>✓ CATs</div>	C	Career and Technical Education (CTE)	CareerTechnicalEducation.endDate	✗
6	alternateEducationOrganizationId	<p>Indicates Alternate Education Organization Id.</p> <ol style="list-style-type: none"> Report the concatenated value for the data element alternateEducationOrganizationID <ol style="list-style-type: none"> Concatenated value = a) the CTE Alt Systems field / district ID (3 digits) + b) CTE Alt School Code (4digits with zero padding in front) if the value from the district list = 7 digits, report that value instead (i.e. 7830610 Coweta Charter Academy) if a 7 digit value cannot be reported, do not report a value 	M	Career and Technical Education (CTE)	CTE Alt School Code CTE Alt System Code (districtNumber)	EXT
7	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
8	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
9	reasonExitedDescriptor	This is optional, does not report	O	N/A	N/A	N/A

	Resource/Description	This is optional, does not report.				
10	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A
11	services	This is optional, does not report.	O	N/A	N/A	N/A

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Flags

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Object Triggering Logic

Flags are set-up by the district/school in [Flags Setup](#). Flags are assigned to students in [Flags](#).

Action	Business Rule(s)
Post	<p>When the student has a <i>Flag</i> record that overlaps an Enrollment and the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting Calendar Exclude School Exclude The <i>Flag</i> must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the <i>Flag</i>.

	<ul style="list-style-type: none"> ◦ The Programs record must exist in the ODS prior to sending a Student Program Associations record. If the Programs record does not already exist in the ODS and a mapping is present in Resource Preferences > Programs, the Programs record will be sent prior to the Student Program Associations record. • If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> ◦ Primary > Partial > SPED ◦ Earliest Start Date ◦ Latest Enrollment ID
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> • When the following information on the student's associated <i>Flag</i> is changed: <ul style="list-style-type: none"> ◦ Flag ID (New Flag) ◦ Start Date ◦ End Date • When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> ◦ Enrollment ID (New Enrollment) ◦ No Show ◦ State Exclude ◦ Start Date ◦ End Date • When the following information on the <i>Flag</i> set-up changes: <ul style="list-style-type: none"> ◦ Name
Delete	<ul style="list-style-type: none"> • When the <i>Flag</i> Start and End Dates are changed so that they no longer overlap the configured year. • When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year. • When the <i>Flag</i> is deleted. • When the Enrollment is deleted.

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Flag Name programTypeDescriptor = Ed-Fi Code mapped to the Flag in Resource Preferences > Programs <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the latest of the following dates:</p> <ul style="list-style-type: none"> Flag Start Date Enrollment Start Date <div>✓ CATs</div>	M	Flags Enrollment	ProgramParticipation.startDate Enrollment.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the Flag End Date</p> <ul style="list-style-type: none"> If the calculated beginDate is after the Flag End Date, report the calculated beginDate. Do not report if Flag End Date is Blank / NULL <div>✓ CATs</div>	C	Flags	ProgramParticipation.endDate	✗
6	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
7	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
8	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
9	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A



10	services	This is optional, does not report.	O	N/A	N/A	N/A
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Gifted & Talented

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Object Triggering Logic

Gifted & Talented programs assigned to students in **Gifted**.

Action	Business Rule(s)
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Post	<p>When the student has a Gifted record (does not need to overlap the configured year) AND an Enrollment that overlaps the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting Calendar Exclude School Exclude A Programs record for the Gifted and Talented program must exist in the ODS prior to sending a Student Program Association for Gifted and Talented. If the Gifted and Talented Programs record does not already exist in the ODS, it will be sent prior to the Student Program Associations record. The most recent Gifted record in Campus will always be used for reporting purposes. If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> Primary > Partial > SPED Earliest Start Date Latest Enrollment ID
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> When the following information on the student's associated Gifted record is changed: <ul style="list-style-type: none"> Gifted Record ID (New Gifted record) Start Date End Date Gifted Eligibility Gifted Referral When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> Enrollment ID (New Enrollment) No Show

- State Exclude
- Start Date
- End Date

Delete

- When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year.
- When the Gifted record is deleted.
- When the Enrollment is deleted.

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Gifted and Talented (Hard-Coded) programTypeDescriptor = Gifted and Talented (Hard-Coded) <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the Gifted Start Date.</p> <div>✓ CATs</div>	M	Gifted	Gifted.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the Gifted End Date.</p> <ul style="list-style-type: none"> Do not report if Gifted End Date is Blank / NULL. <div>✓ CATs</div>	C	Gifted	Gifted.endDate	✗
6	programParticipationStatuses (array)	<p>An unordered collection of generalStudentProgramAssociationProgramParticipationStatuses. The status of the student's program participation.</p> <ul style="list-style-type: none"> participationStatusDescriptor <ul style="list-style-type: none"> Report the Ed-Fi Code mapped to the value selected for Gifted Eligibility Do not report if Gifted Eligibility is Blank / NULL or has a value that is not mapped to an Ed-Fi Code statusBeginDate <ul style="list-style-type: none"> Report the Gifted Start Date The remaining data elements in this array do not report. <ul style="list-style-type: none"> designatedBy statusEndDate 	C	Gifted	Gifted.startDate Gifted.participation	✗

		<div> <div> CATs </div> </div>				
7	programReferredByDescriptor (string)	<p><i>The student's program participation status.</i></p> <p>Report the Ed-Fi Code mapped to the value selected for Gifted Referral.</p> <ul style="list-style-type: none"> Do not report if Gifted Referral is Blank / NULL or has a value that is not mapped to an Ed-Fi Code <div> <div> CATs </div> </div>	C	Gifted	Gifted.giftedReferral	EXT
8	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
9	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
10	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A
11	services	This is optional, does not report.	O	N/A	N/A	N/A

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GNETS (02_ Programs)

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Object Triggering Logic

GNETS programs assigned to students in **GNETS Program**.

Action	Business Rule(s)
Post	<p>When the student has a GNETS record that overlaps an Enrollment in the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting

	<ul style="list-style-type: none"> ◦ Calendar Exclude ◦ School Exclude • A Programs record for the GNETS program must exist in the ODS prior to sending a Student Program Association for GNETS. If the GNETS Programs record does not already exist in the ODS, it will be sent prior to the Student Program Associations record. • If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> ◦ Primary > Partial > SPED ◦ Earliest Start Date ◦ Latest Enrollment ID
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> • When the following information on the student's associated GNETS record is changed: <ul style="list-style-type: none"> ◦ GNETS Record ID (New Gifted record) ◦ Start Date ◦ End Date ◦ Program Type • When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> ◦ Enrollment ID (New Enrollment) ◦ No Show ◦ State Exclude ◦ Start Date ◦ End Date
Delete	<ul style="list-style-type: none"> • When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year. • When the GNETS record is deleted. • When the Enrollment is deleted.

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Name of Program Type selected. programTypeDescriptor = Code of Program Type selected. <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the Start Date.</p> <div>✓ CATs</div>	M	State Programs > GNETS Program	SupportEnvironment.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the End Date.</p> <div>✓ CATs</div>	C	State Programs > GNETS Program	SupportEnvironment.endDate	✗
6	alternateEducationOrganizationID	<p>Indicates Alternate Education Organization Id.</p> <ol style="list-style-type: none"> Report the concatenated value for the data element alternateEducationOrganizationID <ol style="list-style-type: none"> Concatenated value = a) the Alternative Systems field SupportEnvironment.districtNumber (3 digits) + b) SupportEnvironment.locationID (4digits with zero padding in front) if the value from the district list = 7 digits, report that value instead (i.e. 7830610 Coweta Charter Academy) if a 7 digit value cannot be reported, do not report a value 	C	State Programs > GNETS Program	SupportEnvironment.districtNumber SupportEnvironment.locationID	EXT
7	numberOfDailyGNETSSegments	<p>Indicates Number of GNETS Segments</p> <ul style="list-style-type: none"> Report the value entered in GNETS Segment field 	M	State Programs > GNETS Program	ic_SupportEnvironment.segments	EXT

		<ul style="list-style-type: none"> If no value exists or value equals zero, report 0 				
8	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
9	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
10	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
11	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A
12	services	This is optional, does not report.	O	N/A	N/A	N/A

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Graduation Programs

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Object Triggering Logic

Graduation Programs are set-up by the district/school in [Graduation Program Setup](#). *Graduation Programs* are assigned to students in [Academic Planning](#).

Action	Business Rule(s)
Post	<p>When the student has a <i>Graduation Program</i> record that overlaps an Enrollment and the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting



	<ul style="list-style-type: none"> ◦ Calendar Exclude ◦ School Exclude • The <i>Graduation Program</i> must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the <i>Graduation Program</i>. <ul style="list-style-type: none"> ◦ The Programs record must exist in the ODS prior to sending a Student Program Associations record. If the Programs record does not already exist in the ODS and a mapping is present in Resource Preferences > Programs, the Programs record will be sent prior to the Student Program Associations record. • If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> ◦ Primary > Partial > SPED ◦ Earliest Start Date ◦ Latest Enrollment ID
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> • When the following information on the student's associated <i>Graduation Program</i> is changed: <ul style="list-style-type: none"> ◦ Graduation Program ID (New Graduation Program) ◦ Start Date ◦ End Date ◦ Program • When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> ◦ Enrollment ID (New Enrollment) ◦ No Show ◦ State Exclude ◦ Start Date ◦ End Date • When the following information on the <i>Graduation Program</i> set-up changes: <ul style="list-style-type: none"> ◦ Name
Delete	<ul style="list-style-type: none"> • When the <i>Graduation Program</i> Start and End Dates are changed so that they no longer overlap the configured year.

- When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year.
- When the *Graduation Program* is deleted.
- When the Enrollment is deleted.

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Graduation Program Name programTypeDescriptor = Ed-Fi Code mapped to the Graduation Program in Resource Preferences > Programs <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the latest of the following dates:</p> <ul style="list-style-type: none"> Graduation Program Start Date Enrollment Start Date <div>✓ CATs</div>	M	Academic Planning Enrollment	ProgramParticipation.startDate Enrollment.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the Graduation Program End Date</p> <ul style="list-style-type: none"> If the calculated beginDate is after the Graduation Program End Date, report the calculated beginDate. Do not report if Graduation Program End Date is Blank / NULL <div>✓ CATs</div>	C	Academic Planning	ProgramParticipation.endDate	✗
6	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
7	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
8	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
9	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A



10	services	This is optional, does not report.	O	N/A	N/A	N/A
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Programs

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Object Triggering Logic

Programs are set-up by the district/school in [Program Setup](#). *Programs* are assigned to students in [Programs](#).

Action	Business Rule(s)
Post	<p>When the student has a <i>Program</i> record that overlaps an Enrollment and the configured year.</p> <ul style="list-style-type: none"> Do not report a record if the any of the following exclusions are present: <ul style="list-style-type: none"> Enrollment State Exclude Enrollment No Show Enrollment Grade Exclude from State Reporting Calendar Exclude School Exclude The <i>Program</i> must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the <i>Program</i>. <ul style="list-style-type: none"> The Programs record must exist in the ODS prior to sending a Student Program Associations record. If the Programs record does not already exist in the ODS and a mapping is present in Resource Preferences > Programs, the Programs record will be sent prior to the Student Program Associations record. If there are multiple enrollments, use the following priority list to determine which one should report: <ul style="list-style-type: none"> Primary > Partial > SPED Earliest Start Date Latest Enrollment ID
Delete/Post Put	<p>A DELETE / POST will be performed if the data element being altered is part of the resource's natural key. A PUT will be performed otherwise.</p> <ul style="list-style-type: none"> When the following information on the student's associated <i>Program</i> is changed: <ul style="list-style-type: none"> Program ID (New Program) Start Date End Date Program When the following information on the student's associated Enrollment changes: <ul style="list-style-type: none"> Enrollment ID (New Enrollment) No Show State Exclude

	<ul style="list-style-type: none"> ◦ Start Date ◦ End Date • When the following information on the <i>Program</i> set-up changes: <ul style="list-style-type: none"> ◦ Name
Delete	<ul style="list-style-type: none"> • When the <i>Program</i> Start and End Dates are changed so that they no longer overlap the configured year. • When the Enrollment Start and End Dates are changed so that they no longer overlap the configured year. • When the <i>Program</i> is deleted. • When the Enrollment is deleted.

Object Data Elements Logic

Data element labels below in **BOLD** are part of the natural key of this resource and are required data elements for the record to send through Ed-Fi.

- The Mandatory / Conditional / Optional column indicates what the state requires for each data element.

	Data Element Label	Business Rule(s)	Mandatory (M) Conditional (C) Optional (O)	Data Source GUI Path	Database Field	Uses Template Logic (✓ / ✗ / EXT)
1	educationOrganizationReference (reference)	<p>A reference to the Schools resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Schools resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi School ID <div>✓ CATs</div>	M	School Information	School.entityID	✓
2	programReference (reference)	<p>A reference to the Programs resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Programs resource.</p> <ul style="list-style-type: none"> educationOrganizationId = Ed-Fi District Number programName = Program Name programTypeDescriptor = Ed-Fi Code mapped to the Program in Resource Preferences > Programs <div>✓ CATs</div>	M	N/A	N/A	✗
3	studentReference (reference)	<p>A reference to the Students resource associated with the Student Program Association being reported.</p> <p>Reports the fields that are part of the Natural Key for the Students resource.</p> <div>✓ CATs</div>	M	N/A	N/A	✓
4	beginDate (date)	<p>The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.</p> <p>Report the latest of the following dates:</p> <ul style="list-style-type: none"> Program Start Date Enrollment Start Date <div>✓ CATs</div>	M	Programs Enrollment	ProgramParticipation.startDate Enrollment.startDate	✗
5	endDate (date)	<p>The month, day, and year on which the student exited the program or stopped receiving services.</p> <p>Report the Program End Date.</p> <ul style="list-style-type: none"> If the calculated beginDate is after the Program End Date, report the calculated beginDate. Do not report if Program End Date is Blank / NULL <div>✓ CATs</div>	C	Programs	ProgramParticipation.endDate	✗
6	alternateEducationOrganizationID	<p>Indicates the Alternate Education Organization Id</p> <p>1. Report the concatenated value for the data element "alternateEducationOrganizationID"</p> <p>a. Concatenated value = a) the Alternative Systems field ic_AltProgram.districtNumber (3 digits) + b) ic_AltProgram.locationID (4digits with zero padding in front)</p>	C	Programs	ic_AltProgram.districtNumber ic_AltProgram.locationID	EXT

		2. if the value from the district list = 7 digits, report that value instead (for i.e. 7830610 Coweta Charter Academy) 3. if a 7-digit value cannot be reported, do not report a value for "alternateEducationOrganizationID"				
7	participationStatus	This is optional, does not report.	O	N/A	N/A	N/A
8	programParticipationStatuses	This is optional, does not report.	O	N/A	N/A	N/A
9	reasonExitedDescriptor	This is optional, does not report.	O	N/A	N/A	N/A
10	servedOutsideOfRegularSession	This is optional, does not report.	O	N/A	N/A	N/A
11	services	This is optional, does not report.	O	N/A	N/A	N/A

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Appendix

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