GA Ed-Fi Suite v3.6.1, Data Standard v4.0: Student Program Associations

June 2024

GA Ed-Fi Suite v3.6.1, 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

Academic Programs

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	When the student has an *Academic Program* record that overlaps an Enrollment and the configured year. • Do not report a record if the any of the following exclusions are present: ○ Enrollment State Exclude ○ Enrollment No Show ○ Enrollment Grade Exclude from State Reporting ○ Calendar Exclude ○ School Exclude • The *Academic Program* must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the *Academic Program*. ○ 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: ○ Primary > Partial > SPED ○ Earliest Start Date ○ Latest Enrollment ID

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Delete /Post Put	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. • When the following information on the student's associated *Academic Program* is changed: 　○ Academic Program ID (New Academic Program) 　○ Start Date 　○ End Date 　○ Program • When the following information on the student's associated Enrollment changes: 　○ Enrollment ID (New Enrollment) 　○ No Show 　○ State Exclude 　○ Start Date 　○ End Date • When the following information on the *Academic Program* set-up changes: 　○ Name
Delete	• When the *Academic Program* 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 *Academic 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.

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	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*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. • educationOrganizationId = **Ed-Fi School ID**	M	School Information	School.entityID	✅
2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Ed-Fi District Number** • programName = **Academic Program Name** • programTypeDescriptor = **Ed-Fi Code mapped to the Academic Program** in Resource Preferences > Programs	M	N/A	N/A	❌

3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✅
4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Report the latest of the following dates: • Academic Program Start Date • Enrollment Start Date	M	Academic Planning Enrollment	ProgramParticipation. startDate Enrollment.startDate	❌
5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Report the **Academic Program End Date** • 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	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

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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)

Object Triggering Logic

Alternative Education programs assigned to students in Alternative Education.

Action	Business Rule(s)

Post	When the student has an Alternative Education record that overlaps an Enrollment in the configured year.
	
	• Do not report a record if the any of the following exclusions are present:
	  ○ 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:
	  ○ Primary > Partial > SPED
	  ○ Earliest Start Date
	  ○ Latest Enrollment ID

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Delete /Post
 	
Put
	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.
	
	• When the following information on the student's associated Alternative Education record is changed:
	  ○ Alternative Education Record ID (New Gifted record)
	  ○ Start Date
	  ○ End Date
	  ○ Program Type
	  ○ Alternate School ID
	• When the following information on the student's associated Enrollment changes:
	
	  ○ 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 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)

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1	**educationOrganizationReference** (*reference*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. • educationOrganizationId = **Ed-Fi School ID**	M	School Information	School. entityID	✅
2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Alternate School ID** • programName = **Name** of **Program Type** selected. • programTypeDescriptor = **Code** of **Program Type** selected.	M	N/A	N/A	❌
3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✅
4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Report the **Start Date.**	M	Alternative Education	AltProgram. startDate	❌

5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Report the **End Date.**	C	Alternative Education	AltProgram. 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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Career Academy (03_ Programs)

Object Triggering Logic

Career Academy programs assigned to students in Career and Technical Education (CTE).

Action	Business Rule(s)

Post	When the student has a CTE record that overlaps an Enrollment in the configured year.
	
	• Do not report a record if the any of the following exclusions are present:
	  ○ Enrollment State Exclude
	  ○ Enrollment No Show
	  ○ Enrollment Grade Exclude from State Reporting
	  ○ Calendar Exclude
	  ○ School Exclude
	• 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:
	  ○ Primary > Partial > SPED
	  ○ Earliest Start Date
	  ○ Latest Enrollment ID

Delete /Post
 	
Put
	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.
	
	• When the following information on the student's associated GNETS record is changed:
	  ○ CTE Record ID (New CTE record)
	  ○ Start Date
	  ○ End Date
	• When the following information on the student's associated Enrollment changes:
	
	  ○ 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 CTE 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*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. - educationOrganizationId = **Ed-Fi School ID**	M	School Information	School.entityID	✅

2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Ed-Fi District Number** • programName = **Career Academy** (Hard-Coded). • programTypeDescriptor = **03A** (Hard-Coded).	M	N/A	N/A	✖
3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✔
4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Report the **Start Date**.	M	Career and Technical Education (CTE)	CareerTechnicalEducation.startDate	✖

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5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Report the **End Date**.	C	Career and Technical Education (CTE)	CareerTechnicalEducation. 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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Flags

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	When the student has a *Flag* record that overlaps an Enrollment and the configured year. • Do not report a record if the any of the following exclusions are present: ○ Enrollment State Exclude ○ Enrollment No Show ○ Enrollment Grade Exclude from State Reporting ○ Calendar Exclude ○ School Exclude • The *Flag* must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the *Flag*. ○ 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: ○ Primary > Partial > SPED ○ Earliest Start Date ○ Latest Enrollment ID

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Delete /Post
 	
Put
	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.
	
	• When the following information on the student's associated *Flag* is changed:
	   ○ Flag ID (New Flag)
	   ○ Start Date
	   ○ End Date
	• When the following information on the student's associated Enrollment changes:
	
	   ○ Enrollment ID (New Enrollment)
	   ○ No Show
	   ○ State Exclude
	   ○ Start Date
	   ○ End Date
	• When the following information on the *Flag* set-up changes:
	
	   ○ Name

Delete	• When the *Flag* 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 *Flag* 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*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. • educationOrganizationId = **Ed-Fi School ID**	M	School Information	School.entityID	✓
2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Ed-Fi District Number** • programName = **Flag Name** • programTypeDescriptor = **Ed-Fi Code mapped to the Flag** in Resource Preferences > Programs	M	N/A	N/A	✗
3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✓

4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Report the latest of the following dates: • Flag Start Date • Enrollment Start Date	M	Flags Enrollment	ProgramParticipation.startDate Enrollment.startDate	❌
5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Report the **Flag End Date** • If the calculated beginDate is after the Flag End Date, report the calculated beginDate. • Do not report if Flag End Date is Blank / NULL	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

Gifted & Talented

Object Triggering Logic

Gifted & Talented programs assigned to students in Gifted.

Action	Business Rule(s)

Post	When the student has a Gifted record (does not need to overlap the configured year) **AND** an Enrollment that overlaps the configured year.
	
	• Do not report a record if the any of the following exclusions are present:
	  ○ 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 **oldest** 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:
	  ○ Primary > Partial > SPED
	  ○ Earliest Start Date
	  ○ Latest Enrollment ID

Delete /Post
 	
Put
	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.
	
	• When the following information on the student's associated Gifted record is changed:
	    ○ 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:
	
	    ○ 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*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. • educationOrganizationId = **Ed-Fi School ID**	M	School Information	School. entityID	✅
2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Ed-Fi District Number** • programName = **Gifted and Talented** (Hard-Coded) • programTypeDescriptor = **Gifted and Talented** (Hard-Coded)	M	N/A	N/A	❌
3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✅
4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Report the **Gifted Start Date.**	M	Gifted	Gifted. startDate	❌

5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Report the **Gifted End Date.** • Do not report if Gifted End Date is Blank / NULL.	C	Gifted	Gifted. endDate	❌
6	programParticipationStatuses (*array*)	*An unordered collection of generalStudentProgramAssociationProgramParticipationStatuses. The status of the student's program participation.* • participationStatusDescriptor 　○ 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 　○ Report the **Gifted Start Date** • The remaining data elements in this array do not report. 　○ designatedBy 　○ statusEndDate	C	Gifted	Gifted. startDate Gifted. participation	❌
7	programReferredByDescriptor (*string*)	*The student's program participation status.* Report the Ed-Fi Code mapped to the value selected for **Gifted Referral**. • Do not report if Gifted Referral is Blank / NULL or has a value that is not mapped to an Ed-Fi Code	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

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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)

Object Triggering Logic

GNETS programs assigned to students in GNETS Program.

Action	Business Rule(s)

Post	When the student has a GNETS record that overlaps an Enrollment in the configured year.
	
	• Do not report a record if the any of the following exclusions are present:
	   ○ Enrollment State Exclude
	   ○ Enrollment No Show
	   ○ Enrollment Grade Exclude from State Reporting
	   ○ 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:
	   ○ Primary > Partial > SPED
	   ○ Earliest Start Date
	   ○ Latest Enrollment ID

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Delete /Post Put	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. • When the following information on the student's associated GNETS record is changed: ○ GNETS Record ID (New Gifted record) ○ Start Date ○ End Date ○ Program Type • When the following information on the student's associated Enrollment changes: ○ 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 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*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. • educationOrganizationId = **Ed-Fi School ID**	M	School Information	School.entityID	✅
2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Ed-Fi District Number** • programName = **Name** of Program Type selected. • programTypeDescriptor = **Code** of Program Type selected.	M	N/A	N/A	❌
3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✅

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4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Report the **Start Date**.	M	GNETS Program	SupportEnvironment. startDate	⊗
5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Report the **End Date**.	C	GNETS Program	SupportEnvironment. 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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Graduation Programs

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	When the student has a *Graduation Program* record that overlaps an Enrollment and the configured year.
	
	• Do not report a record if the any of the following exclusions are present:
	  ◦ Enrollment State Exclude
	  ◦ Enrollment No Show
	  ◦ Enrollment Grade Exclude from State Reporting
	  ◦ Calendar Exclude
	  ◦ School Exclude
	• The *Graduation Program* must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the *Graduation Program*.
	  ◦ 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:
	  ◦ Primary > Partial > SPED
	  ◦ Earliest Start Date
	  ◦ Latest Enrollment ID

Delete /Post
 	
Put
	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.
	
	• When the following information on the student's associated *Graduation Program* is changed:
	  ◦ Graduation Program ID (New Graduation Program)
	  ◦ Start Date
	  ◦ End Date
	  ◦ Program
	• When the following information on the student's associated Enrollment changes:
	
	  ◦ Enrollment ID (New Enrollment)
	  ◦ No Show
	  ◦ State Exclude
	  ◦ Start Date
	  ◦ End Date
	• When the following information on the *Graduation Program* set-up changes:
	
	  ◦ Name

Delete	• When the *Graduation Program* 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.

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	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*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. • educationOrganizationId = **Ed-Fi School ID**	M	School Information	School.entityID	✅
2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Ed-Fi District Number** • programName = **Graduation Program Name** • programTypeDescriptor = **Ed-Fi Code mapped to the Graduation Program** in Resource Preferences > Programs	M	N/A	N/A	❌

3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Students resource.	M	N/A	N/A	✅
4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.* Report the latest of the following dates: • Graduation Program Start Date • Enrollment Start Date	M	Academic Planning Enrollment	ProgramParticipation. startDate Enrollment.startDate	❌
5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.* Report the **Graduation Program End Date** • 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	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

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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

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	When the student has a *Program* record that overlaps an Enrollment and the configured year.
	
	• Do not report a record if the any of the following exclusions are present:
	  ○ Enrollment State Exclude
	  ○ Enrollment No Show
	  ○ Enrollment Grade Exclude from State Reporting
	  ○ Calendar Exclude
	  ○ School Exclude
	• The *Program* must be mapped in Resource Preferences > Programs prior to reporting a Student Program Associations record for the *Program*.
	  ○ 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:
	  ○ Primary > Partial > SPED
	  ○ Earliest Start Date
	  ○ Latest Enrollment ID

Delete /Post Put	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. • When the following information on the student's associated *Program* is changed: ○ Program ID (New Program) ○ Start Date ○ End Date ○ Program • When the following information on the student's associated Enrollment changes: ○ Enrollment ID (New Enrollment) ○ No Show ○ State Exclude ○ Start Date ○ End Date • When the following information on the *Program* set-up changes: ○ Name
Delete	• When the *Program* 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 *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*)	*A reference to the Schools resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Schools resource. • educationOrganizationId = **Ed-Fi School ID**	M	School Information	School.entityID	✅
2	**programReference** (*reference*)	*A reference to the Programs resource associated with the Student Program Association being reported.* Reports the fields that are part of the Natural Key for the Programs resource. • educationOrganizationId = **Ed-Fi District Number** • programName = **Program Name** • programTypeDescriptor = **Ed-Fi Code mapped to the Program** in Resource Preferences > Programs	M	N/A	N/A	❌

3	**studentReference** (*reference*)	*A reference to the Students resource associated with the Student Program Association being reported.*	M	N/A	N/A	✅
		Reports the fields that are part of the Natural Key for the Students resource.				
4	**beginDate** (*date*)	*The earliest date the student is involved with the program. Typically, this is the date the student becomes eligible for the program.*	M	Programs Enrollment	ProgramParticipation. startDate Enrollment.startDate	❌
		Report the latest of the following dates: • Program Start Date • Enrollment Start Date				
5	endDate (*date*)	*The month, day, and year on which the student exited the program or stopped receiving services.*	C	Programs	ProgramParticipation. endDate	❌
		Report the **Program End Date.** • If the calculated beginDate is after the Program End Date, report the calculated beginDate. • Do not report if Program End Date is Blank / NULL				
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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Appendix

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