The Chronicle Functional Area defines operations for examining the academic record. The entries in the academic record provide summary information for students in Programs and Courses as well as any Credentials, Awards, or standardized Assessment scores the student may have received.

**Academic Record**

The entries in an academic record provide summary information for students in programs and courses as well as any credentials, awards, or standardized assessment scores the student may have received.

*Also known as: PermanentRecord, EducationalRecord*

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ProgramEntry

A ProgramEntry represents an academic record entry for a Program for a student. The fields in the ProgramEntry may be for the entire enrollment through the academic career or specific to an academic Term.

Also known as: MajorEntry, ProgramEnrolment, ProgramCompletion

Read Operations for ProgramEntries:

- Get ProgramEntries given unique Ids
- Get all the ProgramEntries in a system or Catalog
- Get ProgramEntries for Programs
- Get ProgramEntries for students
- Query (Search) ProgramEntries based on attribute-based query terms or keywords
- Register for notifications that ProgramEntries have been created, updated or deleted

Write Operations for ProgramEntries:

- Create ProgramEntry for Program and Student
- Update and Delete ProgramEntries
- Add an alias Id to reference an existing ProgramEntry
- Organize ProgramEntries into Catalogs

Minimally Supported Attributes of ProgramEntries:

- A unique and permanent identifier
- The name of the ProgramEntry
- A description of the ProgramEntry
- The type of the ProgramEntry: credential program, major, minor, specialization, pre-professional, etc.
- The Program associated with the ProgramEntry
- The Term associated with the ProgramEntry
- The Student associated with this ProgramEntry
- The Date in which the Student was admitted

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- Whether the Program has been completed
- The Credit Scale associated with the ProgramEntry
- The Credits Earned in the Program, or earned within the included Term
- The GPA Scale associated with the Program, if available
- A cumulative GPA in this Program or within included Term, if available
- The Enrollments associated with this ProgramEntry if available
- Effective start date and end date of this ProgramEntry
- The reason this ProgramEntry ended, if applicable

### CourseEntry

A CourseEntry represents an academic record entry for a course for a student. CourseEntries are the result of having taken courses or may have been awarded as an equivalency in transfer credit to award credit and/or satisfy a requirement.

Also known as:

- Read Operations for CourseEntries:
  - Get CourseEntries given unique Ids
  - Get all the CourseEntries in a system or Catalog
  - Get CourseEntries for Courses
  - Get CourseEntries for students
  - Query (Search) CourseEntries based on attribute-based query terms or keywords
  - Register for notifications that CourseEntries have been created, updated or deleted

- Write Operations for CourseEntries:
  - Create CourseEntry for Course and student
  - Update and Delete CourseEntries
  - Add an alias Id to reference an existing CourseEntry
  - Organize CourseEntries into catalogs

Minimally Supported Attributes of CourseEntries:

- A unique and permanent identifier
- The name of the CourseEntry

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- A description of the CourseEntry
- The type of the CourseEntry: course taken, transfer equivalency course, fun course, advanced placement, etc.
- The Student associated with this CourseEntry
- The Course associated with the CourseEntry
- The Term associated with the CourseEntry
- Whether the Course has been completed
- The Credit Scale associated with the Course
- The number of Credits earned in the Course
- A Grade earned in the Course, if available
- The Score Scale associated with the CourseEntry
- The cumulative Score for the Course, if available
- The Registrations associated with this CourseEntry, if available
- Effective start date and end date of this CourseEntry
- The reason this CourseEntry ended, if applicable

CredentialEntry

A CredentialEntry represents an academic record entry for a credential or degree earned by completing a program.

Also known as:

- Read Operations for CredentialEntries:
  - Get CredentialEntries given unique Ids
  - Get all the CredentialEntries in a system or Catalog
  - Get CredentialEntries for Credentials
  - Get CredentialEntries for students
  - Query (Search) CredentialEntries based on attribute-based query terms or keywords
  - Register for notifications that CredentialEntries have been created, updated or deleted

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### Write Operations for CredentialEntries:

- Create CredentialEntry for Credential and student
- Update and Delete CredentialEntries
- Add an alias Id to reference an existing CredentialEntry
- Organize CredentialEntries into catalogs

### Minimally Supported Attributes of CredentialEntries:

- A unique and permanent identifier
- The name of the CredentialEntry
- A description of the CredentialEntry
- The type of the CredentialEntry: degree, certificate, badge
- The Student associated with this CredentialEntry
- The Credential associated with the CredentialEntry
- The Date the Credential was awarded
- The Program associated with the Credential, if available
- Effective start date and end date of this CredentialEntry
- The reason this CredentialEntry ended, if applicable

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### AssessmentEntry

An AssessmentEntry represents an academic record entry for an assessment for student. It is intended to record standardized tests and other major assessments associated with an academic record.

Also known as: `StandardizedTestScore`

### Read Operations for AssessmentEntries:

- Get AssessmentEntries given unique Ids
- Get all the AssessmentEntries in a system or Catalog
- Get AssessmentEntries for Assessments
- Get AssessmentEntries for students
- Query (Search) AssessmentEntries based on attribute-based query terms or keywords
Register for notifications that AssessmentEntries have been created, updated or deleted

Write Operations for AssessmentEntries:

- Create AssessmentEntry for Assessment and student
- Update and Delete AssessmentEntries
- Add an alias Id to reference an existing AssessmentEntry
- Organize AssessmentEntries into catalogs

Minimally Supported Attributes of AssessmentEntries:

- A unique and permanent identifier
- The name of the AssessmentEntry
- A description of the AssessmentEntry
- The type of the AssessmentEntry: standardized test, placement test, evaluation test, language proficiency test, final exam, thesis defense.
- The Student associated with this AssessmentEntry
- The Assessment associated with the AssessmentEntry
- The completion date of the Assessment
- A Program associated with the Assessment, if applicable
- A Course associated with the Assessment, if applicable
- A Grade associated with the Assessment, if available
- The Score Scale associated with the Assessment, if available
- A Score associated with the Assessment, if available
- Effective start date and end date of this AssessmentEntry
- The reason this AssessmentEntry ended, if applicable

AwardEntry

An AwardEntry represents an academic record entry for a recognition for a student. While credentials are associated with programs, other awards may also appear in the academic record. Examples include badges, contests, athletic recognitions, etc.

Also known as:
### Read Operations for AwardEntries:

- Get AwardEntries given unique Ids
- Get all the AwardEntries in a system or Catalog
- Get AwardEntries for Awards
- Get AwardEntries for students
- Query (Search) AwardEntries based on attribute-based query terms or keywords
- Register for notifications that AwardEntries have been created, updated or deleted

### Write Operations for AwardEntries:

- Create AwardEntry for Award and student
- Update and Delete AwardEntries
- Add an alias Id to reference an existing AwardEntry
- Organize AwardEntries into catalogs

### Minimally Supported Attributes of AwardEntries:

- A unique and permanent identifier
- The name of the AwardEntry
- A description of the AwardEntry
- The type of the AwardEntry: badge, athletics.
- The Student associated with this Entry
- The Award associated with the AwardEntry
- The Award date
- A Program associated with the Award, if applicable
- A Course associated with the Award, if applicable
- An Assessment associated with the Award, if applicable
- Effective start date and end date of this AwardEntry
- The reason this AwardEntry ended, if applicable
Catalog

A directory or other kind of organization for Course related entities. Such a grouping serves to separate learning objectives managed by different campuses or departments and to scope searches.

Also known as: CourseCatalog

Read Operations for Catalogs:

- Get Catalogs given unique Ids
- Get all the Catalogs in a system or Catalog
- Query (Search) Catalogs based on attribute-based query terms or keywords
- Traverse Hierarchical relationships between Catalogs
- Register for notifications Catalogs have been created, updated or deleted
- Register for notifications that hierarchical relationships between Catalogs have been created, updated or deleted

Write Operations for Catalogs:

- Create, Update and Delete Catalogs
- Add an alias Id to reference an existing Catalog
- Manage Hierarchical relationships between Catalogs

Minimally Supported Attributes of Catalogs:

- A unique and permanent identifier.
- The name of the Catalog
- A description of the Catalog
- The type of the Catalog
- The provider of this Catalog
- Any available branding for this Catalog, for example an organizational logo
- Any licencing (terms of usage) associated with this Catalog

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