

# Edu-API

The most efficient way to activate your data from multiple systems of record to inform holistic decision making.



## Edu-API

Transform your edtech ecosystem with 1EdTech open standards to unlock meaningful data, generate powerful insights, personalize student learning, assess institutional effectiveness, and provide evidence to measure your strategic plan.

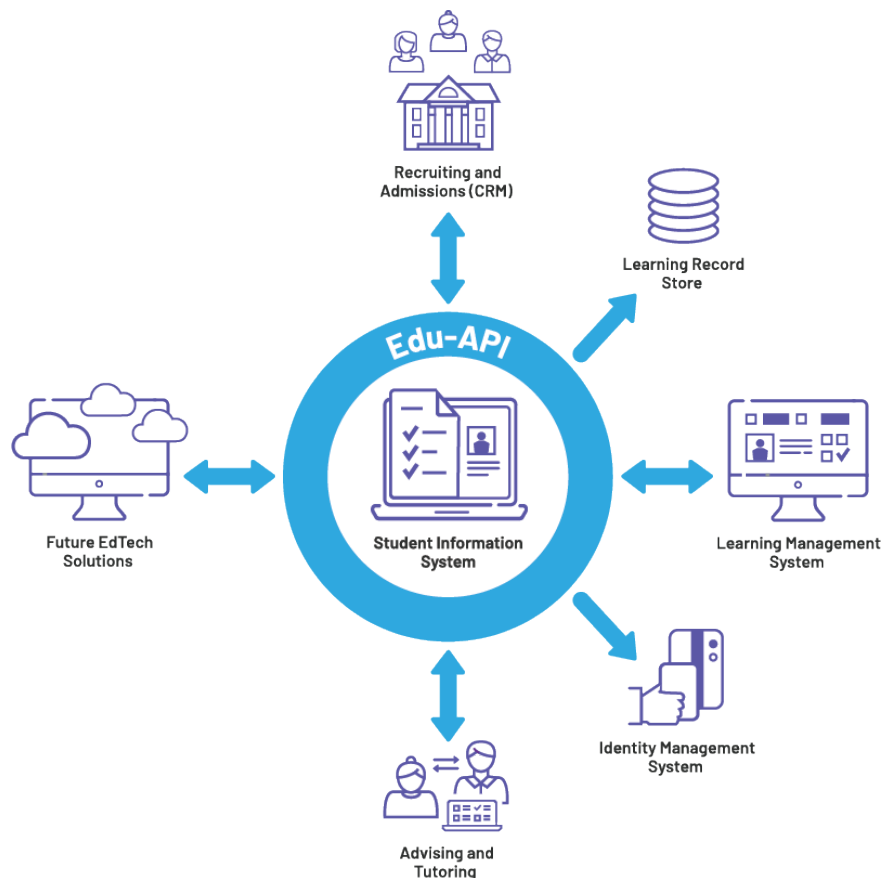
Learn more at [1edtech.org/about/hed](https://1edtech.org/about/hed)

### Standardize Your Data Exchange

Edu-API is the latest addition to the 1EdTech family of academic enterprise specifications. By evolving the comprehensive Learning Information Services (LIS) model and leveraging the successful OneRoster® and LTI® standards, Edu-API enables standardized data exchange across diverse transactional systems that manage higher education administration, teaching, and learning.

### Power Smart, Secure, and Personalized Learning

With Edu-API, you can unlock data from systems of record, CRMs, financial aid, swipe card systems, and more, providing a holistic view of your students and institution. This not only reduces manual efforts and increases efficiency but also opens up a new data model, enabling you to assess impact and identify improvement opportunities for your students securely and responsibly.



“ We rely heavily on the use of 1EdTech standards like Edu-API.

By standardizing key elements of data exchange, we’ve been able to ensure a swift, secure, and streamlined connection within the educational ecosystem”



**Linda Feng**  
VP Architecture  
D2L

## Edu-API Benefits

1EdTech standards enable seamless edtech integrations and analytics models that are simple, scalable, and sustainable.

### Faster Deployments

Reduces integration complexities by standardizing patterns.

### Scalable Implementations

Provides a more scalable approach for integrating with SIS data.

### Removes Vendor Lock

Gives institutions choice and speeds up adoption for edtech suppliers through open standards integration.

### Fosters Data Informed Decisions

Powers analytics ecosystems with consistent context and dimension data.

## How Does Edu-API Work?

Edu-API facilitates the exchange of essential data for educational systems, enabling robust and flexible educational pathways. It supports both synchronous and asynchronous data transfers. The first release focuses on the bulk enrollment data exchange between a Student Information System (SIS) and a Learning Management System (LMS).

### Curriculum

- ✓ Courses
- ✓ Programs
- ✓ Learning Paths

### Offerings

- ✓ Classes
- ✓ Sections
- ✓ Programs

### Enrollment

- ✓ Students
- ✓ Teachers
- ✓ Observers

### Academic Sessions

- ✓ Terms
- ✓ Sessions
- ✓ Non Time-Bound

### Performance

- ✓ Grades\*
- ✓ Mastery\*

\*Future identified scope. Not included in v1.

### People

- ✓ Contact Info
- ✓ Demographics\*

\*Future identified scope. Not included in v1.

## Building for the Future

Edu-API builds on OneRoster® and works with LTI® to meet current education interoperability needs and ensure long-term sustainability. It focuses on “emission, not transmission,” designing an adaptable API for various transport protocols.

As technology evolves, Edu-API remains flexible for diverse infrastructures, facilitating robust and secure data access. This approach supports smarter, personalized learning experiences, ultimately enhancing student success.

## An Open Ecosystem

1EdTech standards are, and always will be, open and free for anyone to use. No payment or membership is required.

Institutions, public bodies and suppliers come together as the 1EdTech Consortium to define sector needs, drive the open standards agenda, access diagnostic and testing tools, share expertise, and take a leading role in shaping a connected, interoperable ecosystem to serve learners.