

# Augusoft Lumens® Integrated Professional (iPRO) with Ellucian Colleague

## Augusoft®

Provider of Lumens®, the first cloud-based enrollment management software designed for continuing education.

*Integration with the Colleague system is not a simple undertaking, but through creative use of the native components we have been able to accomplish what most have struggled with in building a solution which works for the customer.*

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Director of Information Technology  
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Augusoft Lumens® Integrated Professional (iPRO) with Ellucian Colleague includes all features in Lumens PRO with real-time integration to Ellucian Colleague. Lumens iPRO is a software solution specifically designed for all aspects of running a successful non-credit program while keeping Ellucian Colleague as the system of record.

### Lumens Middleware Cloud (LMC)

The LMC is a SaaS application which manages a set of web services designed to communicate and translate data traffic between Lumens and Colleague.



- **Information Translation:** Translates information between the two systems in their own format. For example, Lumens will generate data requests in its own format to create a new class or section in Colleague. Colleague will have its own data format requirements to create a class section. The middleware will translate the request from Lumens format to Colleague format.

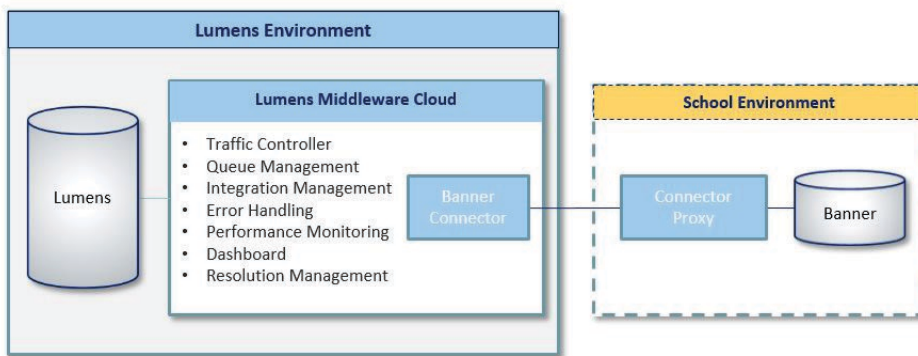
- **Transparency:** The sharing of responsibilities into different application layers raises visibility and makes managing the data easier.
- **Security:** Acts as a secured gateway and avoids any direct database access between the two systems.

### Colleague Environment

- **Security:** A virtual Windows server provided by the customer will act as a security proxy to receive the requests from the LMC and pass them behind the firewall to Colleague Web Advisor.
- **Conformity:** Existing Colleague delivered components such as EDX and ELF are leveraged to ensure data consistency within the Colleague environment. The ELF process has been automated to avoid human intervention. Custom rules may be created to allow for the processing of data from Lumens to work differently than that which may be processed by other external applications.
- **Diversity:** This approach allows for the flexibility of the back-end database to be either Oracle, SQL Server or UniData.

## Data Example - Person Record Create Flow

- A profile is created in Lumens.
- The profile information is communicated to the LMC in the Lumens Profile data format.
- The LMC validates, translates and enhances the incoming request and communicates with the person create servlet in Colleague.
- The person create servlet in Colleague will create the person in Colleague, applying ELF rules appropriate to the transaction type.
- The newly created ID is returned to the LMC, which in turn forwards it to Lumens.



## Common Integration Points

Select data points have been identified as integral to the management of non-credit program data flowing between Lumens and the parent ERP system of record. The following diagram depicts a high-level data flow between Lumens and Colleague. The customer may choose (according to dependencies) from the follow data points:

- Student (1-way flow from Lumens)
- Instructor (1-way flow from Lumens)
- Company (1-way flow from Lumens)
- Course (2-way flow)
- Class/Section (1-way flow from Lumens)
- Registration (1-way flow from Lumens)
- Financial Transactions (1-way flow from Lumens)
- Sponsorships (1-way flow from Lumens)

## Turn Key Solution

The iPRO product encompasses a managed integration solution for the Ellucian Colleague system. Part of the implementation process will include a fit/gap analysis to determine if there are additional integration points you may require.

## Most comprehensive management software for continuing education programs

Since its inception in 2000, Lumens has been setting standards in the lifelong learning market, used by hundreds of colleges and universities. The most

successful programs in US and Canada attribute part of their success to having Lumens as their management system. Lumens iPRO provides all the necessary tools to create online catalogs, market your classes, track students, collect and report on any data and manage all aspects of running a successful program - plus is able to stay in sync with the main system of record of the school.

## Continuous Enhancements and Product Development

Customers enjoy seamless enhancements administered directly to their site, with no interruption to service. Market research Product Advisory Boards and customer best practices are used in developing new features and improvements.

