

Exchanging data between College SIS and Canusia Documentation



Introduction

This document outlines the data exchange process for various operations within the software system, including:

- 1. Importing Class Section Information**
- 2. Exporting Student Information**
- 3. Importing Student ID**
- 4. Exporting Student Class Registration Information**

Additionally, the same process can be applied for importing other data, such as term information, from your Student Information System (SIS).

Pre-requisites

All the operations listed in this document are REST endpoints provided by Canusia. In order to make a successful call the following needs to be available for you

- Account Username / Password
- All API requests need a auth token which can be obtained after authentication

Other items to note are

- You will be able to access information only for the campus(es) that your account has been granted access to
- The API endpoints will return a maximum of 50 records in each request. The endpoints support 'page' query parameters. Also, the returned result will have the link to the next page in the 'next' key.
- When accessing the production system the BASE URL should be set to <https://applyde.laregents.edu/>

Operations

1. Importing Class Section Information

Data Fields

Friendly Field Name	Required Field	Updatable Field	Description
Term Code *	Yes ▾	No ▾	Alpha numeric code that matches code associated with Term model
Campus Code *	Yes ▾	No ▾	Your campus code as entered in Canusia
Class Number *	Yes ▾	No ▾	Numeric Class Reference number. Combination of Term code and CRN needs to be unique
Section No	Yes ▾	Yes ▾	Text, max length of 5
Status*	Yes ▾	Yes ▾	Alphanumeric. Eg: available/canceled (to be determined), max length of 30
Course Name*	Yes ▾	No ▾	Eg: ACC 101. This should match the course name in the Course model
Instructor Email	Yes ▾	No ▾	Instructor Email that exists in the system
Location or Building Code	Yes ▾	No ▾	High School building code, or CEEB code
Start Date	Yes ▾	Yes ▾	yyyy-mm-dd
End Date	Yes ▾	Yes ▾	yyyy-mm-dd

Friendly Field Name	Required Field	Updatable Field	Description
Part of Term	Yes ▾	Yes ▾	Text blurb, max of 1000 characters
Lab Fees	Yes ▾	Yes ▾	Float
Credit Hours	Yes ▾	Yes ▾	If different from course credits
Instruction Mode	Yes ▾	Yes ▾	Text
Tuition	Yes ▾	Yes ▾	Float
Course Choice	Yes ▾	Yes ▾	Text
LA Common Course Number	Yes ▾	Yes ▾	Text
HS Course Number	Yes ▾	Yes ▾	Text
Restrictions	Yes ▾	Yes ▾	Text
Pre-Reqs	Yes ▾	Yes ▾	Text

Frequency of Import

Operation	Description
Manual	Triggered by end user as needed

Sample CURL Request Data

Make sure to update the request below with the appropriate

- url,
- auth token,
- campus code, and
- term code

Method	POST
URL	BASE_URL + /api/v1/class_sections/

Header	Authorization: Bearer < insert auth token >
Body	<pre>{ "class_number": 102, "course_name": "CRS 005", "section_number": "001", "term_code": "FA2023", "campus_code": "LABOR", "bldg_code": "12345", "teacher_email": "email1@email.edu", "part_of_term": "POT1", "gen_ed_course": "Ged Ed", "course_choice": "Course Choice", "la_common_course_number": "LA123", "hs_course_number": "HS123", "restrictions": "None", "status": "active", "description": "123", "lab_fees": 10.0, "tuition": 100.0, "credit_hours": 3, "start_date": "2023-12-01", "end_date": "2023-12-01", "course_title": "Course Title 5", "instruction_mode": "In-Person", "prereq": "Pre Req" }</pre>
Return Value	200 + JSON serialized class section data 400 + Validation Error

2. Exporting Student Information

Frequency of Export

Operation	Description
Manual	Triggered by end user as needed

Sample CURL Request Data

Make sure to update the request below with the appropriate

- url,
- auth token

Method	GET
URL	BASE_URL + /api/v1/students/
Header	Authorization: Bearer < insert auth token >
Query Parameters	Data returned will be limited to students who have applied for classes in the campus(es) you are permitted to manage The following 2 query parameters can be used - applied_on (yyyy-mm-dd) - applied_until (yyyy-mm-dd) - page (int)
Return Value	<pre>{ "count": 1, "next": null, "previous": null, "results": [{ "id": "dec86777-168d-4229-bb03-0190fc41d956", "user": { "id": 14, "first_name": "Avi", "last_name": "KS", "middle_name": "", "email": "help@canusia.com", "username": "help@canusia.com", "primary_phone": "3153785335",</pre>

	<pre> "secondary_phone": "", "created_at": "07/19/2023 10:25 AM", "suffix": null, "ssn": "123-45-1234" }, "highschool": { "id": "4e485b7e-4c63-4f1f-ba51-06b52547534f", "district": { "id": "bd168230-d080-4265-a1bc-4627506a3cc7", "name": "Parish 1" }, "name": "High School 1", "code": "12345", "sau": "12345", "address1": "", "address2": "", "po_box": "", "city": "", "state": "", "country": "", "postal_code": "", "primary_phone": "", "secondary_phone": "", "fax": "", "url": null, "temp_id": null, "status": "Active", "state_code": "", "hs_type": [], "oncampus_sections": null, "access_approver": null }, "ethnicity": ["2"], "student_id": "", "preferred_name": "Avi", "pidm": "", "tuition_owed": null, "graduation_date": "2024-06-01", "graduation_year": null, "parent_first_name": "Parent", "parent_last_name": "LastName", "parent_email": "parent@email.com", "parent_phone_number": "", "state_id": null, "parent1_education_level": "1", "parent2_education_level": "", "gender": "m", "residency_type": "", "us_citizen": true, "hispanic": false, "notifications": { "cell_phone_opt_in": "True" }, "meta": { "residence": "False", "immunization": "1", "emergency_city": "MANLIUS", </pre>
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	<pre> "emergency_state": "NY", "emergency_zip_code": "13104", "military_dependent": null, "emergency_cell_phone": "1231231234", "student_organizations": null, "emergency_contact_name": "Parent Name", "industry_certification": null, "serving_in_armed_forces": null, "emergency_mailing_address": "7635 SOMERSET LN", "emergency_contact_relationship": "2" }, "cte": "b627230a-4753-4aa6-81ec-0a2869350627" }]</pre>
Ethnicity Codes 1 => American Indian, 2 => Asian 3 => Black/African American 4 => Native Hawaiian/Other Pacific Islander 5 => White Gender Codes m => Male f => Female non-binary => non-binary Residency Type 1 => F1/J1 2 => Other Visa Type 3 => Perm. Resident 4 => Non-Resident Alien. 5 => Other (undocumented) Immunizaton Code 1 => I choose to complete the waiver 2 => I choose to submit my immunication records	

Emergency Contact Relationship Code 1 => Brother 2 => Father 3 => Friend 4 => Grandparent 5 => Legal Guardian 6 => Mother 7 => Sister 8 => Other	
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3. Import Student ID

Data Fields

Friendly Field Name	Required Field	Updatable Field	Description
Student ID	Yes ▾	Yes ▾	Text, max length is 100
Campus Code *	Yes ▾	No ▾	Your campus code as entered in Canusia
Student Email	Yes ▾	Yes ▾	Text, max length is 100
Student Username	Yes ▾	Yes ▾	Text, max length of 100

Frequency of Import

Operation	Description
Manual	Triggered by end user as needed

Sample CURL Request Data

Make sure to update the request below with the appropriate

- url,
- auth token

Method	PUT
URL	BASE_URL + /api/v1/student/< uuid > UUID is part of the record sent by Canusia
Header	Authorization: Bearer < insert auth token >
Body	{ "student_id": "string",

	<pre> "student_email": "string", "student_username": "string", "campus_code": "string" } </pre>
Return Value	200 + JSON serialized class section data 400 + Validation Error

Exporting Student Class Registration Information

Frequency of Export

Operation	Description
Manual	Triggered by end user as needed

Sample CURL Request Data

Make sure to update the request below with the appropriate

- url,
- auth token

Method	GET
URL	BASE_URL + /api/v1/class_registration/
Header	Authorization: Bearer < insert auth token >
Query Parameters	Data returned will be limited to students who have applied for classes in the campus(es) you are permitted to manage The following query parameters can be used - campus_code - applied_on (yyyy-mm-dd) - applied_until (yyyy-mm-dd) - page (int)
Return Value	<pre>{ "count": 5, "next": null, "previous": null, "results": [{ "id": "9b420395-1b72-4255-ade8-3b02bc2ab5aa", "term_code": "FA2023", "campus_code": "CODE2", "class_number": "34", "section_number": "008", "student_id": "-", "status": "applied" }] }</pre>

	}
	}