



Academy of Nutrition and Dietetics

Canvas Integration User Guide

April 2, 2025





The accrediting agency for the Academy of Nutrition and Dietetics

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Canvas Integration Overview

Assessments that are completed in Canvas can be uploaded to Competency using Application Program Interface (API) integration. Integrating Canvas with Competency using API integration means connecting these two software tools so they can work together seamlessly. By using APIs, which are like digital bridges, data from Canvas—such as grades or assignment submissions—can be shared with Competency to help monitor and evaluate student progress. This integration allows for a smoother flow of information between the two systems, making it easier for educators to manage student performance and for students to see how their skills are developing in real-time.

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The items you can integrate, or bring over, to Competency are assessment scores from quizzes, exams, and rubrics.

To enable integration, the steps outlined below need to be completed by the program's **Canvas Administrator or IT personnel.**

- 1. Enable Canvas
 - a. Within Canvas, navigate to **Organization > Hierarchy > check the Canvas API Box.**
 - b. Next, navigate to Organization > Manage Assessments > Create Assessment Type > choose Quizzes and Assignments
 - i. Assign to Source Component = Canvas
 - c. Next, navigate to Curriculum > Assessment Type > Create Assessments needed and assign to Assessment Types

2. Add Credentials

- a. The Canvas Administrator generates a token in Canvas and then provides to the Program Director who will update in the credentials in Competency to authenticate the API import.
- b. When creating Developer API Keys in Canvas, please use the following Redirect URIs:
 - i. Redirect URI (Legacy): http://compentecyai2prodsvc.azurewebsites.net/api
 - ii. Redirect URIs: <u>http://compentecyai2prodsvc.azurewebsites.net/api/AssessmentType/GetAuthResp</u> <u>onse</u>
- c. If the credentials are for the entire organization, then update **Organization > LMS tab** If the credentials are specific to one program, update **Curriculum > Program**
- d. Next, work with the Program Director to access the Competency dashboard.





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e. Program Director logs into Competency using their username and password. Upon logging in, click **Settings – Curriculum – Program**.

E E ACEND	Dashboard	Assessments	Settings						ACEND DPD Dem	no Program 👻
Settings										
Organization and Users	Curriculum	Competencies	Mapping	Assessments	Rotations	Reports	ALL			
888	8888			(2-fe)			((A)		
Proj View and ma	gram nage Program		View	Specialty and manage Specialt	9		View an	Cohort Id manage Co	hart.	

f. View your program details.

Program						+ Back
Name	 Туре	-	Program Director Name	=	Program Director Email	Program Details
ACEND DPD Demo Program	 Didactic Program in Dietetics (DPD)		ACEND, EMS Director		cherish.shinners@ems-works.com	View
/iew 10 ✓ entries,			1 to 1 of 1			

g. Click Add New LMS under LMS Configuration section.

MS Configuration						
						• Add New LMS
Source	api url	= Client Id	3	Client Secret	 Status	Action
		No	data available			
		Ú to G of G				Page 0 of 0

h. Select Canvas from the dropdown menu.

Add New LMS	×
Select LMS Source	
Select Source	
Canvas	

- i. Enter your program's Canvas URL and Credentials. **This step is a one-time configuration setup.** Work with your Canvas Administrator in your IT department to obtain the following information:
 - i. In the API URL field, enter the program-specific Canvas API URL.
 - ii. Enter the associated Client ID.
 - iii. Enter the associated Client Secret.





iv. Scope (not required). Scope allows your program to restrict what information Competency is allowed to access.

IMPORTANT: "Allow Include Parameters" is necessary for the import process.



To permit usage of all "includes" parameters for this key, click the **Allow Include Parameters** checkbox.

Please enforce the following scopes in Canvas. For additional help with enforcing scores, please refer to Canvas resource: <u>https://community.canvaslms.com/t5/Admin-Guide/How-do-I-enable-scoping-for-a-developer-API-key-in-an-account/ta-p/181</u>

- url:GET | /api/v1/courses
- url:GET|/api/v1/files/:id
- url:GET|/api/v1/users/:id
- url:GET|/api/v1/users/:id/settings
- url:GET|/api/v1/accounts/:account_id/users
- url:GET|/api/v1/courses/:course_id/quizzes
- url:GET|/api/v1/courses/:course_id/quizzes/:quiz_id/reports
- url:POST|/api/v1/courses/:course_id/quizzes/:quiz_id/reports
- url:GET|/api/v1/courses/:course_id/quizzes/:quiz_id/reports/:id url:GET|/api/v1/courses/:course_id/assignments/:id
- url:GET|/api/v1/courses/:course_id/assignments/:assignment_id/submissions
- url:GET|/api/v1/courses/:course_id/rubrics
- url:GET|/api/v1/courses/:course_id/rubrics/:id
- url:GET|/api/v1/courses/:course_id/assignments
- url:GET|/api/v1/courses/:course_id/assignment_groups/:assignment_group_id/ assignments
- url:GET|/api/v1/courses/:course_id/rubrics/:id/used_locations
- url:GET|/api/v1/sections/:section_id/assignments/:assignment_id/submissions





Add New LMS		×
Select LMS Source		
Canvas	×-	
Edit Canvas Credentials		
API URL*	Client Id*	
https://canvasdev.simulationiq.com	100000000	100000
Client Secret*		
HeFIRv9CVJo5v8vEAfzjbuOd0EBrgLWF43cTEg2fnW	MhtpVzmiAs09Q7Q/644UUS	
Scope *		
HeFIKv9CVJoSv8YEAfz]buOd0EBrgLWF43cTEg2fnV	MhtpVzmlAs09Q7Qi644UUS	
		1
		Cancel 🖺 Save

3. Allow Authorization to Use Canvas API

- a. Click Assessments from the left-hand navigation panel under Curriculum.
- b. Select the API Import Assessment button.

ALC: NO				
Program Specialty	Assessment Type		← Back 🛓 Download 土 U	pload Assessment 🕹 API Import Asses
Cohort	Name	= Title	Description	= Scoring Criteria
conore	Formative			ß
User Groups	E Summative			ß
Course	🕀 guizzes			2
Phase Populations & D Cultures GP Skills Conditions or D States	Diverse			





c. In the API Import Assessment dialog box, select Canvas API from Source dropdown. A dialog box will appear prompting you to authenticate the source (see step d. below). The remainder of the required fields will be entered later.

Source*		Assessment Type *	
Canvas API		Quizzes	
Class		Programs *	
Select Class	· •	Select Programs	÷.
Specialties	□ N/A	Courses	🗆 N/A
Select Specialties	÷	Select Courses	÷
Cohorts *		Phases *	
Select Cohorts	÷	Select Phases	+
Blocks *			
Select Blocks	*		
Canvas Course		Canvas Assessments	
Select Courses	÷	Select Assessment	÷.

d. Click on "Authorize" button and you will be redirected to Canvas login page.







e. Enter your credentials in the Canvas log in page:

🛟 canvas	
Email	
Password	
Stay signed in	Las In
Forgot Password?	
Open So	NUTCE LMS

f. On the submission of correct credentials, the Canvas authorization page will be displayed. Select Authorize.

🛟 canvas
DEV - CanvasAPIKey DEV - CanvasAPIKey is requesting access to your account. You are authorizing this app as user@example.com.
Cancel
Authorize

g. Once the user's credentials have been authenticated, the system will take the user back to the Competency login page to login into the system. Now that the user has successfully authorized to use "CanvasAPI", data can be imported from the Canvas site. This will complete the initial authorization. The next time an assessment is uploaded, the authorization will no longer be required unless the authorization token is expired.

4. Import Assessments

Please note that the following fields are pulled over from your Canvas assessment into Competency.





Student ID (Required if not sending Email)	Student ID that matches the Learner's ID in their user profile in Competency.
Full Name	Learner's Last Name and First Name separated by
	a comma.
Email Address (Required if not sending	Learner's unique email address that matches the
Student ID)	email for the user in Competency.
Assessment Name (Required)	Assessment name.
Question Number	Question Number
Question ID (Required)	Question ID
Question Text (Required)	Question Text
Answer Text	Answer Text
Submit Date (Required):	Date the exam was taken/administered

a. To import, click Settings – Curriculum – Assessment Type.



b. Select the API Import Assessment button.

Assessment Type		🗲 Back 📥 Download 主 Upload Assessment	1 API Import Assessment
Name	= Title	Description	= Scoring Criteria
Formative			ß
E Summative			Ø
quizzes			ß
View 10 v entries.		I to 3 of 3	Page 1 of 1

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c. Complete the remaining required fields on the dialog box and click submit.
 Note: these fields are dynamically displayed based on configurations for the program. The Program field will pre-populate with the Program Name.

er.

Courses	Conver ADI
Source	Canvas API
	<u> </u>
Assessment Type	Quizzes or Assignments
	Choose quiz to import quiz
	scores or choose assignment to
	import rubric scores.
	Note: if importing quiz scores,
	all students must have
	completed the quiz before you
	can import.
Class (optional)	Recommended to leave this
	blank.
Programs	Your program name.
•	
Specialties	Your program name or any
(optional)	specialties you have created for
(0)00000	vour program.
Courses	The course associated with the
(ontional)	assessments you are bringing
(optional)	over
Cohorts	Cohort related to the
	assessment.
Phases	Phase related to assessment.
Blocks	Block related to assessment.
Canvas Course	Complete list of all the courses
and Canvas	you've created within Canvas.
Assessments	Select the course where your
	quiz or assessment is found.
Canvas	Quizzes or assessments created
Assessments	within the select course will
	populate. Select the one for
	which you want to scores
	imported.

Source*		Assessment Type *	
Canvas API	(*)	Quizzes	
Class		Programs *	
Select Class	-	Select Programs	-
Specialties	🗆 N/A	Courses	🗆 N/4
Select Specialties	÷	Select Courses	÷
Cohorts *		Phases *	
Select Cohorts	-	Select Phases	4
Blocks *			
Select Blocks	*		
Canvas Course	_	Canvas Assessments	
Select Courses	4	Select Assessment	



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The preview processing will display what questions will be added, ignored, or updated as well as any errors that need to be corrected prior to upload.

- Question/Criteria Level Validation
 - If a Question/Criteria will be added, then no comment will be shown and the question's score will be added on Submit.
 - If a Question/Criteria's score has been updated, then the question will have a comment that the question needs to be updated and the question's score will be updated on Submit.
 - If a Question/Criteria and score combination already exists, then the question will have a comment that the response already exists and no updates will be made.
 - If a Question/Criteria has invalid or blank score, the question will have a comment that the question be ignored and not processed. 0 score will be treated as a valid score.
 - \circ $\;$ If all of the data already exists or is invalid, then the submit button will be disabled.
 - If the question/criteria score is higher than the Max Score that was entered on the upload screen, then the comment will display "this score exceeds the Max Score" and the score will be updated with the maximum possible score of 100%.
 - If the Assessment Question ID does not exist, then create the question text and assign to the new question ID. If the Question ID already exists, and the Question Text does not match existing, then update the question text.
 - Negative Question level scores and grade scores will be converted to a 0 score.
 - Question level and grade level scores over 100% will be converted to a 100% score.
- New User Validation
 - If the Student ID and/or Email Address is a match to an existing learner in Competency, then the assessment will be associated to that learner.
 - If the Student ID and Email do not match to an existing learner, a new user with a role of "Learner" with a status of "Active" will be created and assigned to the Program/Cohort/Phase/Block that was selected on the popup. The preview page will display that a new user is being created.
 - Faculty users will not be assigned or created during the import. Please note: Faculty users are assigned to a Course in Competency and Assessment Uploads are assigned to a Course during upload.





d. After importing, check the status of your import by clicking Assessment Log on the left-hand navigation menu.

									and the second se	1
Organization and Users	Assessment Log								← Back	A Downlo
Curriculum	Source =	Assessment Too	Assessment =	Assessment Date	- Cohort-Phase-Block	upleaded By	Uploaded On =	Status	= Download	De.
Program	Canvas	esum soft 2	Test Exam Soft	(17/24/2023	Class of 2024 - Phase 2024 Block 2024	EMS Director (AC.)	09/19/2024 7:25 AM	Processed C	2_415_1.csv 2_415_2.csv	Deli upl
Specialty	View 10 v entries				itu loll.					Fate 1 of 1
Cohort .	ines <u>i se s</u> econdo									
User Groups										
Course										
Phase										
Populations & Diverse										
Cultures										
Conditions or Disease States										
Assessment										
Assessment Log										
	-									

5. Mapping Assessments

After you have imported your assessments, you will need to map the assessment to an assessment type, a specialty, and a course/rotation. You will also need to map the individual criteria/question of your quiz or rubric within Competency to the competency, population and diverse culture, condition and disease state, or GP skill (if applicable).

a. Assessment Mapping

i. First, to map your **entire assessment** to an assessment type, specialty, and course/rotation, click Settings – Mapping – Assessment Mapping.





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ACEND & Dashboard Rotations & Assessments Settings						
Organization and Users Curriculum Competencies	Mapping Assessments Rotations Reports ALL					
Assessment mapping View and manage Assessment Mapping.	Question mapping View and manage Question Mapping.					

ii. Click the assessment name and enter the information on the pop-up. Entering a course/rotation and specialty helps organize the data within the software, but you may click N/A if you do not want to associate the assessment with a course/rotation or specialty.

	Assessment Mapping			Account Magning	×
Curriculum	Status	Name	Asactoment	Assessment mapping	0
EPA and Competencies	Steering.	Telt Exam Solt	examinant 2	Assessment Type	
Mapping	View 15 - entries		_	ioum soft2	
				Speciality D	D N/A
				Select Sposally	1.11
				Course or Rotation	O N/A
				Select Course or Rotation	and the second se

iii. Click Update when finished and the status will change to Complete.

Assessment Mapping					🗲 Back 🖌	Download
Status	ii Kome	Assessment Type	Speciality	4	Course or Rotation	
Compen	Test Exam Solt.	Ester add.2	5.4		N/A.	

b. Question Mapping

i. To map your questions or rubric criteria to competencies, populations and diverse cultures, conditions and disease states, and GP skills (if applicable), on the left-hand navigation menu click Question Mapping.



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Organization and Users	Questi	on Mappi	ng							🗲 Back 📥 Dov	beoinv
Curriculum	Status	Pending -	Assessment Test Exam Soft	Source	All						
	0		Question =	Assessment		Sub Populations & =	Sub Conditions or =	GP SubSkills	= EPA	Sub-Competency1	
Assessment Mapping	•	O Ø Notes	A newborn nursery team is rounding on a 10- hour-old female. This patient was bor show more	Test Exam Soft		Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	
Question Mapping Assessments		Notes	A 3-year-old female is brought to an wnergency department. The patient has had s show more	Tinst Exam Solli		Noi Assigned	funt Avsligned	Kint Assignmit	Not Assigned	Nel Avagord	
Rotations Reports		O 🛷 Notes	A pediatric team was called to attend a Caesarean section. Based on the chart re, show more	Test Exam Soft		Not Assigned	NotAssigned	Not Assigned	Not Assigned.	Wet Assigned	
	0	D 🛷	A 28-year-old female with a history of bipolar disorder delivered a baby at 38 w show more	Test Exam Solf		Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	
	Π.	(1) 🛷 Notes	A newborn male was born at 32 weeks gestation and admitted to the newborn intens show more	Test Exam Soft		Heir Assägned	Her Assigned	Not Assimico	Hot Assigned	Net Assigned	
		Notes	A 4-month-old male presented to a pediatric clinic to establish care. The patienshow more	Test Exam Solt		Nos Assigned	time basigned	NotAvsigned	Not Assigned	Not Assigned	
		(i) 🧳 Notes	 A 39-year-old female with a history of gestational diabetes delivered a newborn	Test Exam Soft		was Assigned	nim koligana	Not Assigned	Not Assigned	Not Assigned	
	0	Notes	A 2-month-old mate presented to a pediatric clinic for poor leading. Mom states show more	Trist Exam Soft		Not Assigned	Net Assigned.	NOT Assupted	Not Assigned	Not Assigned	

 Questions or criteria that have not yet been mapped will have a status of Pending. Once mapped it will change to a Complete status. Please note: The system processes changes overnight so you will not see your questions in the Compete status until the next day.

Questi	on Mapping										🗲 Back 📥 Dow	beolm
Status	Pending • Assessment	Test Exam Soft	- Sourc	a 41-								
	All Complete		Assessment		Sub Populations & \approx	Sub Conditions or _ =	GP Subškills	÷	EPÁ	-	Sub-Competency1	-
8.4	@Pending	rsery team is rounding an a 10- ale. This patient was bor show	Test Exam Soft		Articipet	mol Ant/greed	Two Assessed		Not Analgoed		Not Assigned	
E a	A 3-year-old Notes department	female is brought to an emergency . The patient has had s show	Test Essen Soft		be Assged	Net kasigred	NorAssigned		Hot Assigned		Not Assigned	
	more											



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iii. Check the boxes of the questions or criteria you want to map to the same mapping criteria. You can choose multiple at a time or map one question/criterion at a time. Click the red Not Assigned text under the column you want to map and complete the mapping on the pop-up window. Click Map Selected when finished. Complete for all questions/criteria.

Competency

	Question =	Accessment	= 0	h Providelance =	Sub Conditions or =	GP SubSkills	-	FPA	-	Sub-Competencyl	
Notes	A newborn nursery team is rounding on a 10- hour-old female. This patient was boc., show more	Test Exam Soft		t August	Ant Assigned	Not Assigned		Not Assigned		Not Assigned	
Notes	A 3-year-old female is brought to an emergency department. The patient has had s show more	Map Competency	> Sub-Co	ompetencyl					×	Not Assigned	
Notes	A pediatric team was called to attend a Caesarean section. Based on the chart re show more	1								Not Astigned	
	A 28-year-old firmaic with a history of bipolar	Competency 1.1 Competency 1.1 Competency 1.11 Competency 1.11 Competency 1.12 Competency 1.13 Competency 1.14 Competency 1.14 Competency 1.14 Competency 1.14 Competency 1.14 Competency 1.1 Competency 1.3 Competency 1.3 Competency 1.3 Competency 1.4 Competency 1.4		5						Not Assigned	
							Canter	Man Selected	£.,		

6. View Imported Data

Imported data will display on the Program Director and Student dashboard. On the Assessment Type tab, imported quizzes will display as **Quizzes** and imported rubrics will display as **Assignments**.







Clicking on the Assignments bar graph will allow you to filter through different course/rotations and all imported rubrics. The bar graph is displaying the cohort mean score, but you can view by student by clicking the student's name on the bottom half of the screen.

Competency

ourse or Rotation	Assessment Type	Conditions or Disease States	Populations & Diserva-Suit	tines Germon	tency 6Pa			1
ssessment Type					Course or Rotation	Assessm	ent	
ALL	_				14	₩ MI	_	
	Anagements (9)	\$7.78%			of manufacture of 21	828		
	Plinning (22)	70 L			9	40	30	120
	Gammitiye (29)				4			
	a l	40	25	125				