

# Technical Specification

## Offering API



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## 1 Introduction

The Offering API in Lifecare Exchange Services provides services that make it possible to get information about which programs and courses a school offers the students. The services in the Offering API are accessed via URIs.

This document describes following:

- Which offerings that a user can get via the Offering API.
- How the offering information is divided into entities and how these entities are structured.

### 1.1 Prerequisites

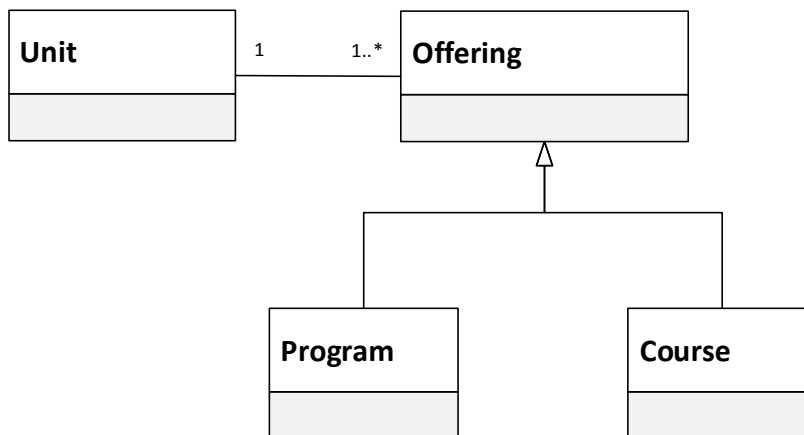
Before you can get access to the Offering API you must request a license key from Tieto. You should have basic knowledge on Swedish school system and W3C XML before you start using the API.

## 2 Supported school types

The table below describes the supported types of school.

School type	Description	Code
Upper Secondary School	Secondary school. 3-4 years education	GY
Upper Secondary School For Learning Disabilities	Secondary school for learning disabilities	GS
Swedish For Immigrants School	Swedish for immigrants school	SF
Adult School For Learning Disabilities	School for adults with learning disabilities	SV
Municipal Adult School	Municipality school for adults	KV
Higher Vocational Education	Higher vocational education	YH

### 3 Domain model



### 4 Entities

#### 4.1 Unit

Name	Description	Read-only
id	School id	Yes
name	School name	Yes
schooltype	School type, see supported school types	Yes

#### 4.2 Program

Name	Description	Read-only
code	Program code	Yes
name	Program name	Yes
type	Program type <i>None</i> <i>VocationalProgram</i> <i>UniversityPreparing</i> <i>IntroductionProgram</i> No program type Vocational program University preparing program Introduction program	Yes

## 4.3 Course

Name	Description	Read-only
code	SCB course code	Yes
name	Name for the course	Yes
points	Points for the course	Yes
courselevel	Course level	Yes
subjectcode	Subject code	Yes
subjectname	Subject name	Yes
officialcourse	Indicates if the course is official, i.e. a course from Skolverket	Yes

## 5 Services

All network services are based on HTTP REST technology and organized in school types to match each school structure. Importing information using method HTTP POST and export information using method HTTP GET.

### 5.1 Programs

These services return programs offered by units at a specific time. The output is XML information with the programs.

Base path for services are: [https://\[host\]/WE.Education.Integration.Host/LES/Offering/V1/Offering.svc](https://[host]/WE.Education.Integration.Host/LES/Offering/V1/Offering.svc)

Parameters – Alternative 1 (programs for all units):

Parameter	Mandatory	Description
SearchDate	No	The search date. Current date will be used if SearchDate is not specified. The oldest search date that can be used is current date minus eight years. Programs for all school units will be returned.

Parameters – Alternative 2 (programs for one unit):

Parameter	Mandatory	Description
UnitId	Yes	Id for the school unit.
SearchDate	No	The search date. Current date will be used if SearchDate is not specified. The oldest search date that can be used is current date minus eight years. Programs for all school units will be returned.

Services:

Service	Description
GetUpperSecondarySchoolPrograms	Get programs for upper secondary school units
GetUpperSecondarySchoolForLearningDisabilitiesPrograms	Get programs for upper secondary school for learning disabilities units

## 5.2 Courses

These services return courses offered by units at a specific time. The output is XML information with the courses.

Base path for services are: [https://\[host\]/WE.Education.Integration.Host/LES/Offering/V1/Offering.svc](https://[host]/WE.Education.Integration.Host/LES/Offering/V1/Offering.svc)

Parameters – Alternative 1 (courses for all units):

Parameter	Mandatory	Description
SearchDate	No	The search date. Current date will be used if SearchDate is not specified. The oldest search date that can be used is current date minus eight years. Courses for all school units will be returned.

Parameters – Alternative 2 (courses for one unit):

Parameter	Mandatory	Description
UnitId	Yes	Id for the school unit.
SearchDate	No	The search date. Current date will be used if SearchDate is not specified. The oldest search date that can be used is current date minus eight years. Courses for all school units will be returned.

Services:

Service	Description
GetUpperSecondarySchoolCourses	Get courses for upper secondary school units
GetUpperSecondarySchoolForLearningDisabilitiesCourses	Get courses for upper secondary school for learning disabilities units
GetSwedishForImmigrantsSchoolCourses	Get courses for Swedish for immigrants units
GetMunicipalAdultSchoolCourses	Get courses for municipal adult school units
GetAdultSchoolForLearningDisabilitiesCourses	Get courses for adult school for learning disabilities units
GetHigherVocationalEducationCourses	Get courses for higher vocational education units

## 6 Appendix

### 6.1 References

Name	Address
Offering API XML schema	<a href="https://github.com/ExchangeServices/API">https://github.com/ExchangeServices/API</a>

### 6.2 Vocabulary

Word	Description
PID	Personal identity, formatted [YYYYMMDD-NNNN]
GUID	Global unique identifier