



Web API: List certifications

The 'List Certifications' Web API allows users to search a database of occupational certification information by occupation, industry, or keyword. Results include certification name, certifying organization's contact information, requirement information and renewal information. It can be used in conjunction with a complementary service to get specific certification details.

About this data

This Web API gives information about occupational certifications and certifying organizations. The [Certification Finder](#) demonstrates how this data can be used. For more information on the data, please visit the [Certification Finder help page](#).

Resource URL

<https://api.careeronestop.org/v1/certificationfinder/{userId}/{keyword}/{directFlag}/{industry}/{certType}/{organization}/{occupation}/{agency}/{sortColumn}/{sortDirections}/{startRecord}/{limitRecord}>

Try this Web API

Example Code

C#

Java

```
using System;

using System.Net.Http;

using System.Net.Http.Headers;

using System.Threading.Tasks;

namespace CareerOneStopAPISample
{
    class Program
    {
```

Request Parameters

Refer to the following table for a list of the required and optional request parameters. All parameter names and values are case sensitive. Important: You must provide all required parameters. Submitting an empty request does not return all possible results, an empty request returns an error.

Parameter Name	Value	Required?	Description
API Token	String	Yes	This value is the unique API Token provided during the CareerOneStop Web API registration process
userId	String	Yes	This value is the unique UserID provided during the CareerOneStop Web API registration process
keyword	String	Yes	This value accepts a search term or an ONET code
directFlag	String	Yes	This value is needs to be set to 'D' if the certifications results are direct mapping to the ONET code. Set this vlaue to 'I' if you want to include closely related certifications into the resultset. This value is used only when IsOnetCode is set to 'Y'. Default value is 0 for keyword search.
industry	String	Yes	This is a filter to limit the records based on the selected industry from the initial resultset. The required filter can be obtained from the filterlist values
certtype	String	Yes	This is a filter to limit the records based on the selected certification type from the initial resultset. The required filter can be obtained from the filterlist values
organization	String	Yes	This is a filter to limit the records based on the selected organization from the initial resultset. The required filter can be obtained from the filterlist values
occupation	String	Yes	This is a filter to limit the records based on the selected occupation from the initial resultset. The required filter can be obtained from the filterlist values
agency	String	Yes	This is a filter to limit the records based on the selected agency from the initial resultset. The required filter can be obtained from the filterset values
sortColumns	String	Yes	This value is for sorting the columns. Valid values are: Name, Organization or TypeOrder, and default value is 0 for relevance
sortDirections	String	Yes	Use this parameter to set the ordering of the results. Valid values are ASC or DESC, default value is 0 for relevance.
startRecord	Integer	Yes	This value is to set the starting record. Default value 0 is for the first record.
limitRecord	Integer	Yes	This value sets the limit of the maximum number of records to be returned. Default value is 10.

Response Structure

JSON	XML
<pre>{ "CertList": [{ "Id": "5733-A", "Name": "Nurse Manager and Leader", </pre>	

```

"Url": "http://www.aone.org/resources/certification/about_certifications.shtml#cnml",

"Organization": "American Association of Critical-Care Nurses ",

"Type": "Core",

```

Response Parameters

Name	Description	Type	Parent
CertList	Certification List	Object	
Id	ID	String	CertList
Name	Name	String	CertList
Url	URL	String	CertList
Organization	Organization	String	CertList
Type	Values for "type" include Core, Advanced, etc. These are described on the Certification Finder Help page.	String	CertList
TypeOrder	Order that can be used to list all certifications of type "Core" first, then "Advanced", etc. It provides the order for types as they appear in CareerOneStop's Certification Finder.	String	CertList
Related	I (indirect) or D (direct). Populated only if search term is an ONET occupation.	String	CertList
CertAccredAgencyList	Certification Accreditation Agency List	Object	
Name	Name	String	CertAccredAgencyList
Order	Order	String	CertAccredAgencyList
OrganizationAddress	Organization Address	String	
OrganizationUrl	Organization URL	String	
Acronym	Acronym	String	
Description	Description	String	
CertDetailList	These objects contain a wide variety of details, including whether education and training are required, whether work experience is required, whether an oral or written exam is required, and others.	Object	
Name	Name	String	CertDetailList
Value	Value	String	CertDetailList

Name	Description	Type	Parent
CertTestOption	Options through which a person might take the certifying exam. Values include Third Party Exam Center, Online Exam, On Site, National Conference, By Mail, and Other.	Object	
ExamDetail	Details concerning the exam, if any.	String	
CertAccredAgencyLegend	Certification Accreditation Agency Legend	Object	
Acronym	Acronym	String	CertAccredAgencyLegend
Description	Description	String	CertAccredAgencyLegend
RecordCount	Record Count	Number	
DidYouMean	Did You Mean	String	
AutoCorrection	Auto Correction	String	
IsDirectMatch	A certification is related to any one occupation either directly or indirectly.	String	
OccupationCountList	Use this object to filter results by related occupation	Object	
UndoList	Undo List	Object	OccupationCountList
Item	Item	String	UndoList
Count	Count	String	UndoList
Value	Value	String	UndoList
FilterList	Filter List	Object	OccupationCountList
Item	Item	String	FilterList
Count	Count	String	FilterList
Value	Value	String	FilterList
IndustryCountList	Use this object to filter results by related industry	Object	
UndoList	Undo List	Object	IndustryCountList
Item	Item	String	UndoList
Count	Count	String	UndoList
Value	Value	String	UndoList

Name	Description	Type	Parent
FilterList	Filter List	Object	IndustryCountList
Item	Item	String	FilterList
Count	Count	Number	FilterList
Value	Value	String	FilterList
TypeCountList	Use this object to filter results by related certification type (e.g. Core, Advanced, etc).	Object	
UndoList	Undo List	Object	TypeCountList
Item	Item	String	UndoList
Count	Count	Number	UndoList
Value	Value	String	UndoList
FilterList	Filter List	Object	TypeCountList
Item	Item	String	FilterList
Count	Count	Number	FilterList
Value	Value	String	FilterList
OrgCountList	Use this object to filter results by sponsoring organization.	Object	
UndoList	Undo List	Object	OrgCountList
Item	Item	String	UndoList
Count	Count	Number	UndoList
Value	Value	String	UndoList
FilterList	Filter List	Object	OrgCountList
Item	Item	String	FilterList
Count	Count	Number	FilterList
Value	Value	String	FilterList
RelatedCountList	Use this object to filter results by whether the relationship is direct or indirect.	Object	

Name	Description	Type	Parent
UndoList	Undo List	Object	RelatedCountList
Item	Item	String	UndoList
Count	Count	Number	UndoList
Value	Value	String	UndoList
FilterList	Filter List	Object	RelatedCountList
Item	Item	String	FilterList
Count	Count	Number	FilterList
Value	Value	String	FilterList
CertAccredAgencyCountList	Can be used to filter results by accrediting agency	Object	
UndoList	Undo List	Object	CertAccredAgencyCountList
Item	Item	String	UndoList
Count	Count	Number	UndoList
Value	Value	String	UndoList
FilterList	Filter List	Object	CertAccredAgencyCountList
Item	Item	String	FilterList
Count	Count	Number	FilterList
Value	Value	String	FilterList

Errors

Error/Status Code	Description
200	OK / Success. The request went through successfully and there is a response body.
400	Bad Request (Request was invalid or missing parameters)
401	Unauthorized. This error occurs specifically when authentication is required and has failed or has not yet been provided correctly. (ex: Invalid API Token)
404	This error will be shown in two scenarios 1) Not found - (An error occurred) and 2) Not found - (No data available)

Error/Status Code	Description
500	Internal Server Error. This error will occur when there is something critically wrong in the API call.



For information about jobs, training, career resources, or unemployment benefits call:
1-877-US2-JOBS (1-877-872-5627) or TTY 1-877-889-5627

For help using the CareerOneStop website:
info@careeronestop.org

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