



## Web API: List licenses

'List Licenses' is an API that enables developers to query and retrieve a list of occupational licenses that match a search term (which may be an occupation), within a state. You can get further details of each license using a complementary API.

### About this data

License information is collected from each state by the [Analyst Resource Center](#) (ARC). States are expected to submit revisions every two years, and new information is updated on CareerOneStop every 4-6 months as new information is received. Information includes license titles, authorizing organizations, descriptions of licenses, and O\*NET codes. Please note that not all states submit license information and there is no way to guarantee that each state collects all of the license information for their state. You can see License data on the CareerOneStop [License Finder](#). For more information, visit [License Finder Help](#).

### Resource URL

<https://api.careeronestop.org/v1/license/{userId}/{keyword}/{location}/{sortColumns}/{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 occupation code (O*NET or SOC, code or title), or use "0" for all the available records. Keyword search works with license name, occupation title, licensing agency, license description, and O*NET sample title.
location	String	Yes	This value accepts a city, state (Chicago, IL) or state (IL) or ZIP code (61299), or "0" for US
sortColumns	String	Yes	This value is for sorting the columns. Valid values are: Title, Agency and State
sortDirections	String	Yes	Use this parameter to set the ordering of the results. Valid values are ASC, DESC and 0. 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 maximum number of records to be returned. Default value is 10.

### Response Structure

JSON

XML

```
"Title": "Nursing - Registered Nurse",
"Description": "Registered nurses care for patients who are ill or injured.",
"State": "Montana",
"ActiveStatusDesc": "Active",
"ContinuingEDUIndDesc": "Continuing education required",
"EducationIndDesc": "Degree required",
"LicExamIndDesc": "Third-party exam required",
"ExperienceIndDesc": "No experience",
"LicTypeIndDesc": "Stand-alone license",
"LastUpdated": "09/11/2018",
"LicenseAgency": {
  "Name": "Board of Nursing",
  "Address": "301 South Park, 4th Floor, PO Box 200513",
  "City": "Helena",
  "State": "MT",
```

### Response Parameters

Name	Description	Type	Parent
LicenseList		List of Objects	
ID	ID	String	LicenseList

Name	Description	Type	Parent
Title	Title	String	LicenseList
Description	Description	String	LicenseList
State	State	String	LicenseList
ActiveStatusDesc	Active status indicator values: <ul style="list-style-type: none"> <li>Active</li> <li>No new licenses</li> <li>Replaced</li> <li>No longer licensed</li> </ul>	String	LicenseList
CertificationIndDesc	Certification indicator values: <ul style="list-style-type: none"> <li>No mention of certification</li> <li>Certification may substitute for license requirements</li> <li>Certification required</li> <li>Undetermined</li> </ul>	String	LicenseList
ContinuingEDUIndDesc	Continuing education indicator values: <ul style="list-style-type: none"> <li>No continuing education requirement</li> <li>Continuing education required</li> <li>Undetermined</li> </ul>	String	LicenseList
CriminalIndDesc	Criminal record indicator values: <ul style="list-style-type: none"> <li>No criminal record prohibitions</li> <li>Specific type of conviction prohibited</li> <li>Felony convictions prohibited</li> <li>Any conviction is prohibited</li> <li>Background check required</li> <li>Undetermined</li> </ul>	String	LicenseList
EducationIndDesc	Education indicator values: <ul style="list-style-type: none"> <li>No educational requirements</li> <li>Specific course required</li> <li>Degree required</li> <li>Undetermined</li> </ul>	String	LicenseList
LicExamIndDesc	License exam indicator values: <ul style="list-style-type: none"> <li>No exam</li> <li>State exam required</li> <li>Third-party exam required</li> <li>Both state and third-party exam required</li> <li>Choice of state or third-party exam</li> <li>Undetermined</li> </ul>	String	LicenseList
ExperienceIndDesc	Experience indicator values: <ul style="list-style-type: none"> <li>No experience</li> <li>Affidavit or referral</li> <li>Experience</li> <li>Current employment</li> <li>Undetermined</li> </ul>	String	LicenseList
PhysicalReqIndDesc	Physical requirement indicator values: <ul style="list-style-type: none"> <li>No physical requirements</li> <li>Vision test required</li> <li>Physical exam required</li> <li>More significant physical requirements</li> <li>Undetermined</li> </ul>	String	LicenseList
LicTypeIndDesc	License type indicator values: <ul style="list-style-type: none"> <li>Stand-alone license</li> </ul>	String	LicenseList

Name	Description	Type	Parent
	<ul style="list-style-type: none"> <li>· Registry</li> <li>· Tied to business</li> <li>· Secondary license (another license is a prerequisite)</li> <li>· Preliminary/temporary license</li> </ul>		
VeteransIndDesc	<p>License type indicator values:</p> <ul style="list-style-type: none"> <li>· No known distinction for military or spouses</li> <li>· A temporary license available to military and spouses until formal license approval</li> <li>· Advisors or additional guidance is available for military and spouses</li> <li>· Licensure by endorsement is available for military and spouses</li> <li>· Expedited processing is available for military and spouse</li> <li>· Expedited processing is available for military and spouses, and a separate licensure by endorsement process occur</li> <li>· Expedited processing is available for military and spouses, and no background check is required</li> <li>· Expedited processing is available for military and spouses, with a temporary license available in the interim</li> <li>· Fees are reduced for military and spouses</li> <li>· Fees are reduced and a temporary license available in the interim</li> <li>· Fees are reduced and expedited processing is available for military and spouses</li> <li>· Fees are reduced and expedited processing is available for military and spouses, with a temporary license available in the interim</li> <li>· Military and spouses are exempt from licensure requirements</li> <li>· Unknown</li> </ul>	String	LicenseList
LastUpdated	Last Updated mm/dd/yyyy	String	LicenseList
LicenseAgency	License Agency	Object	LicenseList
Name	Name	String	LicenseAgency
Address	Address	String	LicenseAgency
City	City	String	LicenseAgency
State	State	String	LicenseAgency
Zip	Zip	String	LicenseAgency
Phone	Phone	String	LicenseAgency
Email	Email	String	LicenseAgency
Url	URL	String	LicenseAgency
LicenseDetail	This object is not populated by this Web API.	Object	
RecordCount	Record Count	Number	root
DidYouMean	This object is not populated by this Web API.	String	root
AutoCorrection	This object is not populated by this Web API.	String	root

Name	Description	Type	Parent
QueriedOn	Current Query Information, lets users know on which search criteria the results are returned	Object	root
Code	Current Search Code, if one exists	String	QueriedOn
IsKeywordSearch	Shows whether the current query is searching based on keyword vs on code. (True/False)	String	QueriedOn
Title	Current Search Title	String	QueriedOn
Type	Current Query Search Type. Valid values include: Keyword ONETDataLevel (Sorry about the misleading string; has nothing to do with data level) SOCDataLevel (Sorry about the misleading string; has nothing to do with data level)	String	QueriedOn

## 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)
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](mailto:info@careeronestop.org)

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