Step by Step Instructions for Finding Labor Market Information for Career Interest Research

Section 1: National Information on Career Choices 1, 2 and 3

1. Using the <u>Occupational Outlook Handbook</u> (published by the U.S. Department of Labor), type the first few characters of each of your career choices into the "Search Handbook" field, then click on the Go button.

CCUPATIONAL OUTLOOK HANDBOOK	Search Handbook	Go
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In the example below, we typed in "elect" to search for Electrician, then clicked on the Go button.

elect	×	Go
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2. You should see a list of possible matches, as shown in the example below. Click on the occupational title you feel is the best match. In this example, we clicked on the last option shown in the screen shot below, "Electricians."



3. Once you have selected a specific occupation from the options available, you should see a screen of information on the occupation as shown in the example below.



4. Much of the information you need to fill in on Form 27B for each Career Choice will be displayed on that first screen of information for the occupation. For example, "What they do" is the first section on the page, as shown in the example below.

Summary	What They Do	Work Environment	How to Become One	Pay	Job Outlook
Summ	ary				
		Quick Facts: Electric	cians		
2017 Median Pay 🕢			\$54,110 per year \$26.01 per hour		
Typical Entr	y-Level Education	I 🕜	High school diploma or e	quivalent	t
Work Exper	ience in a Related	Occupation 🔞	None		
On-the-job	Training 🕜		Apprenticeship		
Number of 1	lobs, 2016 🔞		666,900		1
Job Outlook	, 2016-26 🔞		9% (As fast as average)		
Employment Change 2016-26			59,600		

5. For the "Typical Education Needed" and "Typical On-the-Job Training Needed" sections of the form, click on the "How to Become One" tab at the top.

Occupational Out	dook Handbook > Cor ans	struction and Extraction >	3		
Summary	What They Do	Work Environment	How to Become One	Pay	Job Outlook
		11: 			ja.

6. Read through the information provided under "Education" to determine what to write on Form 27B for "Typical Education Needed."



7. Use the information under "Training" to determine what to write on Form 27B for "Typical On-the-Job Training Needed."



8. Click on the "Job Outlook" tab to help identify which Job Outlook ("Bright," "Average" or "Below Average" on Form 27B is the most appropriate to circle.

Occupational O	utlook Handbook > Co ans	onstruction and Extraction	>				EN ESPAÑOL PRIM	ITER-FRIENDLY
Summary	What They Do	Work Environment	How to Become One	Pay	Job Outlook	State & Area Data	Similar Occupations	More Info
Job O	Job Outlook About this section							t this section 🔞
Employmen about as fas spending ar	t of electricians is p at as the average fo d growing demand	projected to grow 9 pe or all occupations. Incr d for alternative energy	rcent from 2016 to 2026 eases in construction / sources will drive dema	, nd	Pe	Electr ercent change in employ	icians yment, projected 2016-26	
for electricia	ower generation,	such as solar and wind	l, is an emerging field th	at	Construction trad	es workers		10%
should requ needed to li the coming however, w	ire more electriciar nk these alternativ decade. Employme ill largely be depen	ns for installation. Incre re power sources to ho ent growth stemming f ident on government p	easingly, electricians will mes and power grids ove rom these sources, olicy.	be er	E	lectricians		9%

If the Job Outlook section on the screen does not include one of those phrases to describe job outlook, instead write in the projected employment growth.



9. Click on the "Pay" tab at the top of the screen for the information to write on Form 27B for "Salary (U.S.).

Summary What They Do Work Environment How to Be	ecome One Pay	Job Outlook	State & Area Data	Similar Occupations	More Info
Pay				Abo	ut this section 🕻
he median annual wage for electricians was \$54,110 in May 20 vage is the wage at which half the workers in an occupation say hat amount and half earned less. The lowest 10 percent earned	17. The median ned more than less than		Electr Median annual v	icians vages, May 2017	
32,180, and the highest 10 percent earned more than \$92,690.		<	Electricians		\$54,110
n May 2017, the median annual wages for electricians in the top hich they worked were as follows:	p industries in		1		
Government	\$60,570	Construction tra	des workers	\$43.	490
Manufacturing	58,470				
Electrical contractors and other wiring installation contractors	52,190				
Freedown and a sections	47 520	Total, all	occupations		\$37,690

- 10. Complete the "Why I like it" and "Concerns" sections on your own, based on the information you have learned about the Career Choice.
- 11. Repeat steps one through 10 above for Career Choice #2 and Career Choice #3.

Section 2: South Dakota-specific information on Career Choices 1, 2 and 3

"Current Supply & Demand" section of Form 27B

12. While on LMIC's homepage <u>dlr.sd.gov/lmic</u>, from the left-hand menu, choose "Virtual Labor Market Data System."



13. Within the virtual labor market data system, from the left-hand menu, you will want to use the second section down, the "Labor Market Profiles" section. (If the left-hand menu is not displayed, alight and the three here in the upper left hand express to access it).



14. Hover your mouse over the "Occupation Profile" option to get another menu that expands to the right.



15. Click on "Occupational Comparison."

Labor Market Profiles		Find
Area Profile	Þ	We can
Occupation Profile		Occupation Summary
Industry Profile	Þ	Occupational Comparison
Education Profile	•	Description
Education and Training		Jobs
Data		Candidates
Employers	*	Supply and Demand
Data Trends		Employers
Advertised Job Data	×	Skills
Labor Market Supply		Education and Work
Employment and Wage		Experience
Data	•	Employment and Wages
Economic Indicators	ŧ	Nature of the Work
Demographics	•	Job Requirements
Other Services		Other Information

16. From the next screen that appears, choose the first option, "Compare multiple occupations in an area."

My Analyst Workspace	SOUTH DAKOTA Please select occupations and/or areas to compare using one
My LMI Dashboard	R DEPLOF LABOR
Labor Market Facts	
Directory of Services	
Job Search	A A A Compare multiple occupations in an area
Labor Market Profiles	aaav
Area Profile	0000
Occupation Profile	, Compare data for a single occupation in m
Industry Profile	be a second s

17. If "South Dakota" is not already set as the Area, you will need to click on the Area that appears (it will be underlined). As shown in the screen shot example below, you would click on "Hughes County, SD" to change the area. *Please note: anytime text is underlined in the virtual system, it means it is a clickable item that you can click to see other options.*

Occupations by Keyword	Occupations by Group	Occupation Listing
Area (click to chan	ge: Hughes County, SD	i.
Display only oce	cupations with a Bright Outlook	Display Green occupations only
Display only occ Search for an occ	cupations with a Bright Outlook cupation by keyword(s)	Display Green occupations only

18. You should then see an "Area Type" drop-down box. Click on the down arrow to the right of that dropdown box to see the options for Area Type.

Area (click to change):	Hughes County, SD			
Select New Area:				
[Select by Map]				
		State:	South Dakota	
		Area Type:	None Selected	
			0.811	J

19. From the list of Area Type options, choose the last one, "State."

Area (click to change): Hughes County, SD	
Select New Area:	
[<u>Select by Map</u>]	
State:	South Dakota
Area Type:	None Selected
	Balance of State (2013) Combined Statistical Area Combined Statistical Area (2013)
□ Display only occupations with a Bright Outlook □ Di	County
Search for an occupation by keyword(s)	Metropolitan Statistical Area
Type a job title or occupational keywords in the box and	Metropolitan Statistical Area (2013) Micropolitan Statistical Area (2013) State

20. Now you are ready to search for the first occupation ("Career Choice #1" on Form 27B). You will see several options across the top for ways to find an occupation in the virtual system: by Keyword, by Group, by Occupation Listing, etc. Use your preferred method to find the occupation. Keyword search may be the easiest to use, entering the first few letters of the occupation.

by Keyword	Occupations by Group	Occupation Listing	Occupations by Education Program
Area (click to chan	ge): <u>South Dakota</u>		
Display only occ	upations with a Bright Outlook	Display Green occupations	only
Search for an occ	upation by keyword(s)		
	occupational keywords in the bo	x and click the Search button. (e.g. Accountant)
Type a job title or o		and check the bearen battorn (

In the example below, the keyword search was used, and "plumb" was entered to search for the plumber occupation. As you begin typing, you may see a list of matching occupational titles pop up. If the occupation you are searching for appears in that pop-up list, you may click it there.

 Indicates required fields. 		
Occupations by Keyword	Occupations by Group	
Area (click to change): Sout	h Dakota	
Display only occupations with a Bright Outlo		
Search for an occupation by	v keyword(s)	
Type a job title or occupation	al keywords in the	
plumb		

21. If you choose to search by key word, military specialty or occupational code, you will also need to press the gold "Search" button to perform the actual search. If you choose one of the other search options, you may skip this step.



22. Whichever search method you chose to use, you will likely be presented with a list of possible matching occupational titles. Click on the occupational title you feel is the best match to what you are looking for. Using the example above (searching for "plumber"), you would click on the second option, "Plumbers."

Search for	an occupation by keyword(s)			
Here is a list of occupations that matched your keyword search. Occupation description of each occupation.				
You may clic	k on the matched indicator in the Related Job Titles and Occupa			
Score	Occupation			
100%	HelpersPipelayers, Plumbers, Pipefitters, and Steamfitters 🔶			
71%	Plumbers 🔶 🍺			

Please note: If you cannot find the occupation you are looking for, contact LMIC at 605.626.2314; they will be happy to help you.

23. You should then be presented with various labor market information for the occupation you selected, including most of the information to be included on Form 27B.

Before proceeding, however, please note a quick way to view the same information for the second occupation (Career Choice #2 on Form 27B) is to click on the "Compare" option appearing directly below the title of the occupation for which you are currently viewing labor market information.



24. By clicking on the "Compare" option, you will be presented with a list of related occupations to compare. In the example below, we see a list of occupations related to Plumbers. If the second occupation you are interested in (Career Choice #2) appears in the list, click in the small box to the left of that occupational title. Then you will need to scroll down the page and press the gold "Continue" button. You may skip step 14.

Select related occupations or choose other occupations to compare with Plumbers.

- □ Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
- □ Animal Trainers
- □ Automotive Master Mechanics
- □ Boilermakers
- □ Commercial Divers
- □ Construction Carpenters
- \square Control and Valve Installers and Repairers, Except Mechanical Door
- □ Drywall and Ceiling Tile Installers
- □ Electrical Power-Line Installers and Repairers
- Electricians
- $\hfill \square$ Elevator Installers and Repairers
- $\hfill\square$ First-Line Supervisors of Construction Trades and Extraction Workers
- $\hfill\square$ Forest and Conservation Technicians

Continue

25. If the second occupation you are interested in (Career Choice #2) does NOT appear in the list, click where it says, "choose other occupations to compare" in the text above the list.

Select related occupations or choose other occupations to compare with Plumbers.

Aircraft Structure, Surfaces, Rigging, and Systems Assemblers

Animal Trainers

Automotive Master Mechanics
Boilermakers
Commercial Divers
Construction Carpenters
Control and Valve Installers and Repairers, Except Mechanical Door
Drywall and Ceiling Tile Installers
Electricial Power-Line Installers and Repairers
Electricians
Elevator Installers and Repairers
Elevator Installers and Repairers
First-Line Supervisors of Construction Trades and Extraction Workers
Forest and Conservation Technicians

You will then again see the screen in Step 20 above, presenting several options for searching for another occupation. Choose the option you prefer, following the instructions in Steps 20 through 22 above, as needed.

For this example, we chose to use the key word search option again for the second occupation, searching for "carpenter."



From the list of matching occupations that appeared as shown below, "Construction Carpenters" was selected.

Search for	r an occupation by keyword(s)		
Here is a list of occupations that matched your keyword search. Occupati description of each occupation.			
You may cl	ick on the matched indicator in the Related Job Titles and Occu		
Score	Occupation		
100%	Construction Carpenters 🧇 🔎		
52%	Rough Carpenters 🧇 🍺		
51%	HelpersCarpenters 🧇 🖉		
21%	First-Line Supervisors of Construction Trades and Extraction Workers 🔶		
15%	Cabinetmakers and Bench Carpenters		
8%	Drywall and Ceiling Tile Installers		

26. Once you have selected both occupations, you should see a screen of labor market information for each of the occupations, side by side.

Multiple Occupations	South Dakot
Summary Description Jobs Candidates Supply and I	2emand Education and Work Experience Employment and Wages
	For help click the question may also be a set of the point of the p
< Plumbers	Construction Carpenters
Lill J J J J J S24 Outbook Demaand Medum Supply Supply Supply Supply CHS 0 Months \$16	UII Image: Constraint of the state Image: Constraintof the state Image: Constrainto of the state
Jobs Available	Jobs Available
38	16
job openings advertised online on January 21, 2019 Searce Come advertiat par das	job openings advertised online on January 21, 2019 Saure Drive advertad job das
Candidates Available	Candidates Available
1	26
potential candidates in the workforce system on January 21, 2019 Source individuals with active résurés in the workforce system.	
Typical Wages	Typical Wages
**Plumbers, Pipefitters, and Steamfitters (no data available for Plumbers)	**Carpenters (no data available for Construction Carpenters)
\$20.77	\$17.20
Mean Annual Wage Source: Labor Market Information Center, 5D Dept. of Labor & Regulation	Mean Annual Wage Source: Labor Market Information Center, SD Dept. of Labor & Regulation
Projected Annual Openings	Projected Annual Openings
"Plumpers, Pipentters, and Steamfitters (no data available for Plumbers)	carpenters (no data available for Construction Carpenters)
170	620

- 27. For the first item of South Dakota-specific information on Form 27B, "Mean (average) Wage," see the "Typical Wages" information for each occupation.
- 28. For the second item, "Annual Average Percent Employment Change Projected," see the options running across the top of the screen and click on the "Employment and Wages" option (as shown below.

Summary | Description | Jobs | Candidates | Supply and Demand | Education and Work Experience (Employment and Wages

29. Scroll down to the fourth table of information presented on the screen, to the table with the heading "Occupational Employment & Future Employment Outlook."



30. Use the data in the last row of that table, labeled "Annual Avg. Percent Change" to enter on Form 27B for Career Choice #1 and Career Choice #2.

oloyment				
loyment				
ient Change				
p	ployment ment Change	ployment ment Change	ployment ment Change	ployment ment Change

31. Now scroll down further on the screen, to the section labeled, "Projected Annual Openings," for the next item on Form 27B, the "Projected Annual Openings."

Pr	rojected Annual Opening	gs 🔞	=	al	A
Thi Sou	is section shows the long term project uth Dakota from 2016 to 2026.	ed annual openings for the oc	cupatio	ons sele	cted in
	Click a column title to sort.				
	Data	Carpenters	Plu Pipe Stear	umbers efitters and nfitters	, , 1 5
	Annual Openings	639)	170	>

32. Write the numbers in the top row of the table, labeled "Annual Openings" for each of the occupations on Form 27B.

"Current Supply & Demand" section of Form 27B

33. Scroll back up to the top of the screen until you again see the options running across the screen, as shown in the screen shot below. Click on the "Jobs" option.



34. The first information displayed, "Jobs Available" can be entered on Form 27B as the "Current Job Openings" for each of the occupations.

Jobs Available 🐵		A lin.
This section shows the number of job op occupations selected on February 10, 20	penings advertised online in South 19 (Jobs De-duplication Level <u>2</u>).	Dakota for the
Data	Construction Carpenters	Plumbers
Job Openings	19	32

35. Refer again to the options across the top of the screen and click on "Candidates."



36. Enter on Form 27B the number of candidates for each of the occupations.

Ca	ndidates Available	0	📒 all A
This the o	section shows potential cand occupations selected on Febr	lidates in the workforce system in uary 5, 2019.	South Dakota fo
	Data	Construction Carpenters	Plumbers
	Candidates	24	

- 37. For the "SD Hot Career (yes or no)" item on Form 27B, return to the LMIC homepage <u>dlr.sd.gov/lmic</u>. (Unless you closed that window, it should still be open in your browser.)
- 38. This time, from the left-hand menu of the LMIC homepage (<u>dlr.sd.gov/lmic</u>), click on the downpointing arrow next to the third item down, Career Exploration & Planning." From the additional options that appear, choose "Hot Careers," the second option from the bottom.

Home to LMIC	
Virtual Labor Market Data System	
Career Exploration & Planning	-
Career Publications	
Explore Occupations by Career Cluster	
Explore Occupations by Interest Area	
Hot Careers	
Take the South Daketa Career Interact Survey	,

39. From the Hot Careers page (<u>https://dlr.sd.gov/lmic/menu_hot_careers.aspx</u>), choose "Employment Projections and Current Wage Estimates of the Hot Careers."

Labor Market Information Center
Hot Careers (High Demand-High Wage Occupations) To help individual career planners and job seekers identify occupations with the most favorable identifies high demand-high wage occupations, or "Hot Careers."
Learn how Hot Careers are determined.
Hot Careers Resources
Current Job Openings in Hot Careers
Employment Projections and Current Wage Estimates of the Hot Careers
Hot Careers flier
Learn even more about each Hot Career in the virtual labor market data system
Occupational Profiles
How Hot Careers Are Determined
To be on the Hot Careers list, an occupation must 1) be projected to show employment growth, (2016-2026) and 3) have an average wage above the median wage across all occupations (\$32,3)
For more information on average annual demand, visit our Employment Projections Technica Wages Technical Notes page.

40. The table of employment projections and wage data you will see has each of the Hot Careers listed in alphabetical order. Check the occupational titles in the second column of the table for the occupations you chose as Career Choice #1 and Career Choice #2 on Form 27B. If the occupation appears in this table, it is a Hot Career, and you may indicate "Yes" on Form 27B. If it does not appear in the table, you may indicate "No" on Form 27B.

Labor Market Information Center					
Hot Ca	Hot Careers				
	South Dakota's Highest Pr				
SOC Code	Occupational Title				
00-000	Total, All Occupations				
13-2011	Accountants and Auditors				
49-3023	Automotive Service Technicians and Mechanics				
47-2031	Carpenters				
47-2051	Cement Masons and Concrete Finishers				
21-1021	Child, Family, and School Social Workers				
21-2011	Clergy				
27-2022	Coaches and Scouts				
47-2111	Electricians				
25-2021	Elementary School Teachers, Except Special Education				
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers				
35-1012	First-Line Supervisors of Food Preparation and Serving Workers				
43-1011	First-Line Supervisors of Office and Administrative Support Workers				
41-1011	First-Line Supervisors of Retail Sales Workers				

41. To complete the information on Career Choice #3 on Form 27B, repeat steps 1 through 23, then 27 through 40 above. (The only steps you will be skipping are those involved in selecting a second occupation to compare, since you need information on just one additional occupation for Form 27B).

If you have questions or need assistance with these instructions, please contact the Labor Market Information Center at 605.626.2314.