



# Appendix

Skills Shortage Ranking of Switzerland Q1 2018	Rank Q1 2018	Rank Q1 2017	Evolution Q1 2018 - Q1 2017
Fiduciary	1	1	=
Technicians	2	2	=
Engineers	3	3	=
Medicine and pharmaceutical	4	4	-
Information technology (IT)	5	5	+
Technical draughting jobs	6	6	+
Technical specialists	7	7	+
Legal jobs	8	8	=
Teaching and educational jobs	9	12	+
Entrepreneurs, directors and head clerks	10	10	=
Metalworking and mechanical engineering jobs	11	14	+
Therapy and caregiver jobs	12	9	-
Chemical and plastics processing jobs	13	13	+
Electrical engineering and electronics jobs, watchmaking industry jobs, and vehicle and appliance engineering and maintenance jobs	14	18	+
Advertising, marketing and tourism jobs	15	15	+
Banking and insurance sector jobs	16	11	-
Commercial and administrative jobs	17	16	=
Food and luxury food manufacturing and processing jobs	18	24	+
Wood processing and paper manufacturing and processing jobs	19	22	+
Trade and retail jobs	20	19	-
Social sciences, humanities and natural sciences jobs	21	20	=
Agricultural, forestry and livestock farming	22	30	+
Media professionals and related jobs	23	17	-
Transportation and logistics jobs	24	26	+
Public welfare, educational and pastoral jobs	25	21	-
Public order and security jobs	26	25	=
Artistic jobs	27	28	+
Hospitality and housekeeping jobs	28	27	=
Machinists	29	23	-
Construction	30	31	=
Postal and telecommunications	31	29	-
Cleaning, sanitation and personal care jobs	32	32	+
Textile processing, printing and warehouse	33	33	=

Ranking is based on the indicators vi/ui; Sources: SMM, AVAM (SECO)

Evolution: + Skills Shortage has increased, which means that the number of vacancies per unemployed person has increased (positive change of at least 10%)  
- Skills Shortage has decreased, which means that the number of vacancies per unemployed person has decreased (negative change of at least 10%)



# Assignment of SBN2000 job titles to the Swiss Skills Shortage Index job titles

Job title	SBN2000
<b>Agricultural, forestry and livestock farming jobs</b> Farmers, growers Farmhands Gardeners and related jobs Florists Forest wardens and forestry workers Hunting-related jobs and game wardens Fishery jobs	11
<b>Food and luxury food manufacturing and processing jobs</b> Cheesemakers and dairy producers Butchers and other meat processors Bakers, pastry chefs, confectioners Millers Brewers, maltsters Wine coopers, wine and beverage technologists arp Tobacco goods producers and manufacturers Food and luxury food testers and tasters	21
<b>Metalworking and mechanical engineering jobs</b> Casters arp Coremakers, moulders Metal surface finishing jobs Metal grinders and polishers Tool operators Cutters and planers Metal drillers Lathe operators Bar turners and screwmakers Welders and other metal joining jobs System and appliance constructors Plumbers (industrial) Blacksmiths, use Metal engineers and metalworkers Construction metalworkers Fitters, use Mechanics Precision mechanics and micro mechanics Machine fitters and machinists arp Installation and maintenance mechanics and other mechanics	24
<b>Electrical engineering and electronics jobs, watchmaking industry jobs, and vehicle and appliance engineering and maintenance jobs</b> Automotive and other vehicle electricians Electricians Consumer electronics technicians Network electricians, cable fitters Electrical winders arp Other electrical jobs, use Electronics jobs Telephone and telegraph workers Watchmakers Vehicle manufacturing (land, water, air) jobs Auto mechanics Motorcycle and bicycle mechanics Agricultural machinery, construction equipment and small appliance mechanics Lacquerers (vehicles, industrial) Petrol station attendants, automotive service attendants, use	25



<b>Wood processing and paper manufacturing and processing jobs</b> Sawyers, woodcutters Woodturners Cabinet makers Joiners Other carpenters Woodstainers, wood polishers Framers, gilders and other wood finishing jobs Paper technologists arp	<b>26</b>
<b>Chemical and plastics processing jobs</b> Lab technicians, lab assistants, use Chemical workers, chemists Photo lab technicians Plastics manufacturers and processors Rubber processors	<b>28</b>
<b>Textile processing, printing and warehouse jobs</b> Textile manufacturing jobs Textile processing jobs Leather manufacturing jobs, leather and fur processing jobs Ceramics and glass processing jobs Print preparation jobs Printers and manifold-writers Bookbinders Packers Warehouse keepers, warehouse operators	<b>22, 23, 27, 29</b>
<b>Engineering jobs</b> Architects Civil engineers IT engineers Mechanical engineers Heating, ventilation and air-conditioning engineers Electrical engineers Electronics and microtech engineers Forestry engineers Agronomists Rural engineers, land surveyors, geometricians Urban planners, residential planners, landscape designers Chemical engineers and food engineers	<b>31</b>
<b>Technical jobs</b> Electrical technicians Electronics technicians Structural and civil technicians, site supervisors Mechanical technicians Textile technicians Telecommunications technicians Heating, ventilation and air-conditioning technicians Vehicle and aircraft technicians	<b>32</b>
<b>Technical draughting jobs</b> Structural and civil engineering draughtspersons Surveying draughtspersons Technical draughtspersons Metal construction draughtspersons Mechanical draughtspersons Installation draughtspersons Interior construction draughtspersons Electrical draughtspersons	<b>33</b>
<b>Technical specialists</b> Technical managers ns Operational specialists Supervisors ns Other technical specialists and operators	<b>34</b>



<b>Machinists</b> Energy machinists Construction machinists arp Lumber machinists Other machinists Stokers Machinery and plant custodians, tank inspectors	<b>35</b>
<b>Information technology (IT) jobs</b> Computer scientists, analysts Programmers IT operators Webmasters arp Other IT jobs	<b>36</b>
<b>Construction and renovation jobs</b> Bricklayers Concrete workers, cement finishers (construction) Carpenters Road workers Plasterers Demolition specialists, tunnel construction workers, miners Builders, construction supervisors arp Floor and tile layers Roofers Plasterers, stucco plasterers Painters, upholsterers Heating and ventilation installers Plumbers (construction) Insulators Fireplace and tile-oven builders, stove fitters Glass installers Electricians and installers Sanitation planners and installers Mining-related jobs Stone processing jobs Construction materials and components manufacturing jobs	<b>41, 42</b>
<b>Trade and retail jobs</b> Purchasers Salespersons, retail employees Cashiers Publishers, booksellers Druggists Animal handlers Other retail jobs Representatives, travelling salespersons	<b>51</b>
<b>Advertising, marketing and tourism jobs</b> Advertising specialists PR specialists Marketing specialists Market research and opinion polling specialists Travel agency employees Travel guides, tour guides, hostesses	<b>521, 522</b>
<b>Fiduciary jobs</b> Accountants and auditors Fiduciaries and tax consultants	<b>523</b>



<b>Transportation and logistics jobs</b> Railway stationmasters and railway operation dispatchers and secretaries Trackworkers and platelayers Signal tower operators Depot and shunting employees Train attendants Locomotive drivers and tram drivers arp Aerial cableway jobs Passenger transportation jobs arp Lorry drivers Driving instructors, auto experts Skippers, ship navigators Flight captains, pilots, flight instructors Air-traffic controllers Cabin crew members arp Transportation employees and shippers Messengers and couriers	<b>53</b>
<b>Postal and telecommunications jobs</b> Mail carriers and postal clerks Postal assistants Delivery clerks Telephone and switchboard operators Other postal jobs Other telecommunications jobs	<b>54</b>
<b>Hospitality and housekeeping jobs</b> Hotel and restaurant managers Receptionists and porters Service staff Housekeepers, laundry staff, and staff shop attendants Kitchen staff Other hospitality jobs Housekeeping managers Housekeeping employees	<b>61</b>
<b>Cleaning, sanitation and personal care jobs</b> Textile care workers, chemical cleaners Ironers, launderers Janitors, commercial cleaners Chimney sweeps Funeral specialists Waste disposal and recycling jobs Other public sanitation and cleaning jobs Hairdressers Cosmeticians Hand- and foot-care providers	<b>62</b>
<b>Entrepreneurs, directors and head clerks</b> Entrepreneurs and directors Head clerks in public service Organisation and association officials Staffing specialists	<b>71</b>
<b>Commercial and administrative jobs</b> Commercial employees as well as office jobs, use Administrative clerks arp Bookkeepers Real-estate specialists and property managers Import-export specialists Organisational specialists arp Other administrative employees	<b>72</b>
<b>Banking and insurance sector jobs</b> Banking jobs, use Insurance agents and inspectors Insurance jobs, use	<b>73</b>



<b>Public order and security jobs</b> Police Security guards, caretakers Professional firefighters, civil defence members Members of the armed forces Other security jobs Customs officers and border patrol	<b>74</b>
<b>Legal jobs</b> Judges and public prosecutors Law clerks Lawyers and notaries Other legal jobs	<b>75</b>
<b>Media professionals and related jobs</b> Journalists and editors Correctors and proofreaders Translators and interpreters Other visual and print media professionals Librarians Archivists and documentalists Curators and museum specialists Stage and film equipment jobs Directors, filmmakers, producers Sound mixers and technicians Camera operators and video technicians Photographers	<b>81</b>
<b>Artistic jobs</b> Musicians, composers and conductors Singers Actors Dancers, dance instructors and choreographers Artists Photo models, models Sculptors Painters, drawers Graphic artists and sign painters Designers, fashion designers Precious-metal smiths Other jewellery makers Wood carvers, wood sculptors Ceramists, potters Ceramic and glass painters Musical instrument makers and tuners Decorators and decoration designers Restorers Interior architectures and decorators	<b>82</b>
<b>Public welfare, educational and pastoral jobs</b> Social workers Educators Residential home and nursery directors Other caregiver jobs Ordained clergy, ministers Other pastoral jobs Related religious orders Counsellors and liturgical assistants	<b>83</b>



<b>Teaching and educational jobs</b> Instructors at universities and other technical colleges Secondary school teachers High school teachers Primary school teachers Kindergarten teachers Vocational and technical college teachers Special education teachers, curative teachers Music and singing teachers Drawing and handicrafts teachers Physical education teachers and sports trainers Adult educators Various technical and course instructors	<b>84</b>
<b>Social sciences, humanities and natural sciences jobs</b> Economics and social sciences jobs, vocational counsellors and psychologists Humanities jobs Natural sciences jobs	<b>85</b>
<b>Medicine and pharmaceutical</b> Doctors Medical practice assistants, doctor's assistants Pharmacists Pharmacist assistants	<b>861</b>
<b>Therapy and caregiver jobs, dental and veterinary jobs</b> Physiotherapists, ergotherapists Non-medical psychotherapists Non-medical practitioners Opticians Masseuses Medical technical assistants Medical laboratory assistants Dentists Dental technicians Dental assistants Dental hygienists Veterinarians Veterinary practice assistants, veterinary assistants Midwives Paediatric nurses Psychiatric nurses Nurses Hospital assistants, auxiliary nurses Outpatient nurses, community nurses	<b>862, 863, 864, 865</b>

## Definition of regions

### German-speaking Switzerland

Cantons: Aargau, Appenzell Ausserrhoden, Appenzell Innerrhoden, Basel-Land, Basel-City, Bern, Glarus, Grisons, Lucerne, Nidwalden, Obwalden, St. Gallen, Schaffhausen, Schwyz, Solothurn, Thurgau, Uri, Zurich, Zug

### French- and Italian-speaking Switzerland

Cantons: Geneva, Fribourg, Jura, Neuchâtel, Ticino, Vaud, Valais