

Unique_Skill_Sets.pptx

by

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The background of the slide features abstract, overlapping green geometric shapes in various shades of lime and forest green, primarily located on the left and right sides, framing the central white area.

Unique Skill Sets for Aviation Industry

Student's Name

Institutional Affiliations

Date

Air Traffic Controller



- ▶ Organize the movement of planes to uphold benign distances between them
- ▶ Provides landing and takeoff directions to pilots
- ▶ Communicate with pilots concerning weather and other perilous information (BLS, 2021)
- ▶ Allows change in control of leaving planes to other traffic control centers
- ▶ Inform airfield reply specialist in the occurrence of any danger

Unique Personal Skills

- ▶ Effective communication (Knecht et al., 2016)
- ▶ Ability to solve problems
- ▶ Decision-making skills
- ▶ Concentrate for long hours
- ▶ Organization skills



Unique Professional Skills

- ▶ Virtuous spatial awareness and robust mathematical skills (Soldatov et al., 2018)
- ▶ Associates or bachelor's degree from AT-CTI package (BLS, 2021)
- ▶ Others can attend three years of gradually growing work practice
- ▶ Some of the topics offered are aviation airspace, reading charts and regulations

Necessary Qualifications

- ▶ Pass the medical assessment
- ▶ Finish a exercise development at the FAA education
- ▶ Be an American resident
- ▶ Pass Air Traffic Controller Specialist Skills Assessment Battery (ATSA) (BLS, 2021)

Benefits of personal and professional skills to employers

- ▶ Ensure the aircraft land and depart safely
- ▶ Safeguard the regulations by keeping them up to date
- ▶ Efficiently manage the operations of the aviation industry and use of new technologies
- ▶ Involve in ensuring the risk management
- ▶ Modify policies and processes for benign and effective operations, guidelines, and training approaches (Knecht et al., 2016)

References

- ▶ BLS (2021). Air Traffic Controllers. U.S Bureau of Labor Statistics. <https://www.bls.gov/ooh/transportation-and-material-moving/air-traffic-controllers.htm#tab-2>
- ▶ Knecht, C. P., Muehlethaler, C. M., & Elfering, A. (2016). Nontechnical skills training in air traffic management including computer-based simulation methods: From scientific analyses to prototype training. *Aviation psychology and applied human factors*, 6(2), 91.
- ▶ Soldatov, S. K., Zasyad'ko, K. I., Bogomolov, A. V., Vonarshenko, A. P., & Solomka, A. V. (2018). Professionally Important Skills of Air Traffic Controllers. *Human Physiology*, 44(7), 775-778.

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