

Aviation Exploration



Live Oaks



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[greatoaks.com/
exploreaviation](https://greatoaks.com/exploreaviation)



Skills recommended to be successful in this career pathway:

TRANSPORTATION, DISTRIBUTION & LOGISTICS CAREER CLUSTER

ESSENTIAL SKILLS

- Oral communication
- Written communication
- Physical strength/mobility
- Safety awareness
- Reasoning skills/mechanical aptitude
- Perceptual speed/clerical & auditory perception
- Visual acuity/depth perception
- Eye/hand/arm coordination/manual dexterity

ACADEMIC SKILLS



APPLIED MATHEMATICS

- Use precision measuring tools (micrometers)
- Measure to nearest 1/10,000 inch
- Use algebraic equations



WORKPLACE DOCUMENTS

- Complete log books
- Understand/use technical jargon
- Read/understand FAA regulations/laws



GRAPHIC LITERACY

- Understand flight plans
- Read blueprints/diagrams
- Read and interpret weather charts

DID YOU KNOW STUDENTS IN THIS PROGRAM...

- * Apply aviation theory and navigation to flight performance/planning
- * Learn to identify various types of aircraft
- * Use weather theories/concepts to interpret weather-briefing documents
- * Understand rules, regulations and orders relevant to the airport industry
- * Understand and follow FAA regulations
- * Practice flying drones
- * Use Automatic Terminal Information Systems and Traffic Collision Avoidance Systems to control aircraft operations
- * Interpret and use airport lighting, navigation principles and avionics communication systems
- * Have the opportunity to work at local airports and aviation companies to gain experience and a familiarity of the industry



COURSES



YEAR 1

- Aviation
- Aviation Airport Management



YEAR 2

- Aviation Unmanned Aircraft Systems
- Aviation Pilot Training



VIEW Great Oaks
Course Guide
[greatoaks.com/
course-guide](https://greatoaks.com/course-guide)

**Courses subject to change.*

Aviation Exploration

IS THIS YOU?



Find your work personality type with this free assessment at truity.com:



Holland's Model of Occupational Themes – graphic courtesy of the University of Tennessee.

Enterprising | Conventional

Enterprising personality types are “persuaders;” they are adventurous, energetic, confident, assertive and influential. They are good talkers, very persuasive, with natural ability to lead others so are often found socializing! They work best with people and data. Persuaders with a “conventional” secondary personality type like to influence others whilst working reliably and accurately.

Key strengths that lead to success in this career path

- ✓ Attention to detail
- ✓ Integrity
- ✓ Dependability
- ✓ Persistence
- ✓ Self-control
- ✓ Adaptability/flexibility

WORK-BASED LEARNING OPPORTUNITIES

- ▶ Job shadowing
- ▶ Guest speakers
- ▶ Field trips
- ▶ Internships with local airports

COLLEGE & CAREER READY

Career Credentials

- FAA Part 107 Remote Pilot Certification
- Aerial Work Platform Operations
- Forklift Operations
- OSHA – 10-hour General Industry
- CPR/First Aid



For more information, visit ohiohighered.org

CAREER PATHWAYS

After earning credentials, get more education and experience to

- ▶▶ Aircraft refueler or deicer
- ▶▶ Aviation security
- ▶▶ Ramp agent
- ▶▶ UAV operator/pilot
- ▶▶ Flight dispatcher
- ▶▶ Airframe technician
- ▶▶ Avionics technician
- ▶▶ Airport administrator
- ▶▶ Flight operations manager



VIEW Essential Skills Guides
greatoaks.com/essential-skills

Entry-level pay range in Ohio

\$15 - 36
per hour

