

# Aeronautics Leadership

*Made in Windsor.*



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Aeronautics Leadership  
Experience Map



University  
of Windsor


## Highlights and Skills

### PROGRAM HIGHLIGHTS

#### Aeronautics Leadership

Spread your wings and fly! Take advantage of the growing demand for pilots to serve as leaders in aviation and aerospace. Your academic education is coupled with flight training, run by our industry partner, Journey Air, at the Windsor International Airport. We'll put you in a plane in your first week of school.

**MIN. AVG.\* 70% ONTARIO COURSE REQUIREMENTS** ENG4U required, one of MHF4U, MCV4U or MDM4U or SPH4U and must submit a Transport Canada Category 1 Medical Certificate; a Transport Canada Formal Aviation Language Proficiency Demonstration (Canadian citizens who have graduated from a Canadian English or French speaking high school are exempt), and a Supplementary Application Form: short essay/questions

 Honours – 4-year program \* Minimum grade point average for admission to program. A higher average may be required.

### FUNCTIONAL KNOWLEDGE

- Confidently piloting both private and commercial aircraft
- Composing and editing clear, concise and technically correct written documents for specific audiences
- Understanding and explaining technical knowledge regarding air transportation
- Overcoming obstacles by utilising problem-solving skills
- Working effectively as part of a team through various leadership roles
- Effectively communicating ideas, arguments and evidence through clear, concise and coherent written work

## Build your Skills and Experience

Your UWindsor experience is more than attending classes. It is a combination of academics, co-curricular activities, and extracurricular involvement. By making the most of all three elements of your university experience, you will maximize your opportunities to build your skills, broaden your personal network, and clarify your long term academic and career goals.



#### CURRICULUM

Courses of study specific to each program



#### CO-CURRICULAR

Activities and experiences that complement coursework (Outstanding Scholars, peer mentoring, VIP)



#### EXTRACURRICULAR

Activities falling outside the scope of set curriculum (Part-time job, clubs, volunteering, athletics)

## Career Planning Cycle

Intentional career planning will help you prepare for your next step after graduation and beyond. It is a fluid, dynamic, and lifelong process. You can move on or return to an earlier stage in the cycle at any time.



## Explore Opportunities Using This Chart

Explore a selection of opportunities recommended for students in your program. This chart shows some of your many options – you don't have to do everything on it or limit yourself to it. Engage in opportunities from each of the three categories to set yourself up for success.

### High-Impact Practice (HIP)

A HIP is an enriching educational experience that can be life-changing and often includes learning outside of the classroom while encouraging meaningful interaction and collaboration, such as:

- Co-op, internship or field experiences
- Research with faculty
- Culminating senior experience
- Capstone courses
- Service-learning
- Learning communities
- Study abroad

## Academics



*Your Coursework*






### First Year

- Take required courses including Effective Writing and Introduction to Business
- Review degree course requirements for all years of study
- Begin to discover balance between coursework and flight training
- Meet with an academic advisor
- Receive peer mentorship or academic advising and support from faculty coordinator

### Middle Years

- Take required courses and check in with an academic advisor to make sure you are on the right path
- Look into completing a research project in final year 
- Take three courses from Business and four courses from Science, Engineering or Computer Science
- Start taking courses required as pre-requisites for graduate or professional school
- Seek out courses that offer field experience 
- Consider declaring a minor and/or specialization




### Final Year



- Meet with an academic advisor to go over degree requirements
- Complete all required courses for your degree
- Apply to graduate through **UWinside Student Portal**
- Work with a faculty member on a research project or publication 
- Take the **Mentorship and Learning** course as a way of combining learning opportunities with student teaching 
- Take a field work or practicum course to culminate your senior experience 



## Experience

*Ways To Get Involved*



- Take **Practicum in Professional Development** (credit for flight training) 
- Work toward and complete **Private Pilot** licensing requirements
- Research student exchange opportunities for middle years 
- Investigate research opportunities as part of the **Outstanding Scholars** program 
- Join clubs such as the **Students Offering Support, UWSA** or **Liberal Arts and Professional Studies Club**
- Participate in the **Bystander Initiative** workshop to gain skills that will help you be an effective and supportive ally to prevent sexual assault on campus

- Join a professional association in your field such as the **Air Transport Association of Canada**
- Complete **Commercial Pilot's License** by passing written exam following 300 nautical miles of solo cross-country flight
- Participate in **UWill Discover** undergraduate research conference 
- Obtain **Multi-Engine Rating** and **Category 1 Instrument Rating**
- Apply for student exchange program 
- Expand your skills by taking on a summer, part-time or volunteer position
- Look for a leadership role in a club or society

- Run for a **UWSA** executive position
- Conduct field research with a faculty member 
- Become a tutor for **Students Offering Support (SOS)** 
- Put in additional flight time toward the **Airline Transport Pilot License**

## Career

*Plan Ahead For What's Next*



- Start by making a list of things that you enjoy and areas in which you excel
- Meet with a career advisor in **Career Development and Experiential Learning (CDEL)** for help developing a plan for your future years
- Consider a **Career Exploration Program** appointment to help you identify possible career paths
- Get involved with a part-time job, volunteer opportunity, campus group, or research assistantship
- Attend **CDEL** workshops to learn how to find a summer or part-time job and write a university-level resumé
- Chat with an advisor during **CDEL's Drop In** hours to get answers to your career and job search questions

- Research career fields and occupations with the help of a **CDEL** career advisor
- Explore opportunities and meet potential employers by participating in **Job Shadow Experience**, job fairs, and industry networking events
- Create a **LinkedIn** profile and have it critiqued
- Take part in informational interviews and join online communities like **LinkedIn** and **Ten Thousand Coffees** to connect with people in your targeted profession or industry
- Search job postings to learn what skills, knowledge, and credentials you will need for potential careers

- If you are considering applying to graduate or professional school, be aware of early application deadlines
- Meet with **CDEL** to prepare application documents like a resumé, cover letter, CV, or personal statement for jobs and education programs you are applying to
- Attend **CDEL's** workshops on interview skills and job search strategies
- Set up a mock interview with a career advisor for professional school or job applications
- Take part in recruitment events and job fairs hosted by **CDEL** and other organizations
- Explore professional development opportunities through **Continuing Education**

# Life After Graduation



The Aeronautics program has provided me with a well-rounded education and leadership skills that I will take with me as I pursue my dream of flying for a commercial airline."

*Jessica Garant –BA (Honours) in Liberal Arts and Professional Studies: Aeronautics Leadership*

## 10 Number of Graduates

(2020)

### Career Tracks\*

Agricultural pilot  
Air safety specialist  
Air traffic controller  
Aircraft test pilot  
Airport manager  
Avionics technician  
Business advisor

Commercial pilot  
Design specialist  
Flight dispatcher  
Flight fueller  
Flight instructor  
Flight test engineer  
Journalist

Lawyer  
Marketing manager  
Policy analyst  
Private pilot  
Professor  
Project manager  
Project engineer

Public official  
Public relations officer  
Research co-ordinator  
Software engineer  
Teacher  
Tour guide

\*Additional education and/or training required for some of the above careers.



### Common Sectors For Graduates

- **Academia**
- **Business:** analysis, research, corporate communications
- **Education:** public schools, vocational/corporate training
- **Government services**
- **Flight:** commercial, private, instruction
- **Law and law enforcement**
- **Politics:** political office, campaign management, polling and research, speechwriting
- **Public policy think tanks and consulting:** public/private sectors

### Career-Readiness Competencies



Critical Thinking & Problem Solving



Professionalism & Work Ethic



Teamwork & Collaboration



Communication





# Campus Resources

- Research undergraduate scholarships and bursaries through the **Student Awards and Financial Aid Office**
- Visit **Leddy Library** and the **Writing Support Desk** for help with academic assignments
- Check out the **Bounce Back** program designed to improve academic performance as well as decrease feelings of stress and anxiety through both effective learning strategies and life skills acquisition
- Build leadership skills and find leadership opportunities at the **Leadership Hub**
- Get advice and support about your academic status by making an appointment with **Central Academic Advising**
- Seek out assistance with academic accommodation from **Student Accessibility Services**
- Discover ways to get involved on campus through the **Student Success and Leadership Centre**
- Broaden your cultural awareness through the **International Student Centre** and **Student Exchange Office**
- Look into the **Ignite: Work Study** program for on-campus employment
- Get assistance developing your career plan and job search skills from **Career Development and Experiential Learning**
- Develop your entrepreneurial skills and learn how to start your own business at **EPICentre**
- Find support for Indigenous learners and broaden your understanding of Indigenous culture by visiting the **Aboriginal Education Centre - Turtle Island**
- Tend to your health and wellness with support from **Student Health Services**, the **Wellness Outreach Office** and **Lancer Recreation**
- Receive confidential mental health counselling delivered by trained professionals at the **Student Counselling Centre**
- **Prevent.Resist.Support.** Seek personal support or learn more about sexual violence prevention and resistance education through the **Office of Sexual Violence Prevention, Resistance & Support**
- Explore professional development opportunities through **Continuing Education**



[experience.uwindsor.ca](https://experience.uwindsor.ca)

## Student Recruitment

Phone: 519-973-7014

Toll-Free: 1-800-864-2860

Email: [info@uwindsor.ca](mailto:info@uwindsor.ca)

## Faculty of Arts, Humanities and Social Sciences

Phone: 519-253-3000, Ext. 2029

Email: [deanarts@uwindsor.ca](mailto:deanarts@uwindsor.ca)

## Career Development and Experiential Learning

Web: [uwindsor.ca/cdel](https://uwindsor.ca/cdel)

Email: [careerservices@uwindsor.ca](mailto:careerservices@uwindsor.ca)