

AERONAUTICS LEADERSHIP

Experience Map



PROMISE
@ uwindsor.ca



University
of Windsor

EXPERIENCE.UWINDSOR.CA

AERONAUTICS LEADERSHIP

SKILLS AND KNOWLEDGE OF AERONAUTICS LEADERSHIP GRADUATES

PROGRAM HIGHLIGHTS

Spread your wings and take advantage of the growing demand for pilots to serve as leaders in aviation and aerospace. Academic education is coupled with flight training, run by our industry partner, Journey Air, at the Windsor International Airport (YQG).

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

CURRICULUM ••••

Courses of study specific to each program



•••• CO-CURRICULAR

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

EXTRACURRICULAR

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

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.

CAREER PLANNING GUIDE

Intentional career planning will help you prepare for your next step after graduation. It is a fluid, dynamic, and continuous process, meaning you can move on or return to an earlier stage at any time. You can even work through simultaneous cycles, like one for your long-term dream job and another for a summer job.



Experience Map

HOW TO USE THIS GUIDE

This guide is meant to help you explore various opportunities throughout the course of your UWindsor experience. It is intended to help you link academics, co-curricular, extra-curricular and career planning activities by suggesting some of the options available to you. This is to help you see what you can do, rather than what you are required to do!

Academics



First Year

- Take required courses including Effective Writing and Introduction to Psychology
- 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 co-ordinator

Experience



- Apply for a co-curricular experience such as the Volunteer Internship Program (VIP)*
- 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 such clubs as the Students Offering Support, UWSA or Liberal Arts and Professional Studies Club

Career



- Create a list of activities that you enjoy, areas in which you excel, and skills you possess
- Meet with Career & Employment Services (CES) to develop a plan for your future years
- Consider taking an interest assessment to help you identify possible career paths
- Attend a CES workshop to learn how to find a summer or part-time job
- Become familiar with the mySuccess online job search tool
- Attend a CES resumé and cover letter workshop to get your resumé critiqued

Middle Years

- Take required courses and check in with 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 internships and courses that offer field experience★
- Consider declaring a minor and/or specialization

- 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

- Research related industries and potential employers
- Explore opportunities and meet employers through a job fair or employer information session
- Attend the Graduate and Professional Schools Fair to explore further educational opportunities
- Analyze the requirements for graduate or professional schools of interest
- Make an appointment with Career & Employment Services to explore career options
- Create a LinkedIn profile and have it critiqued
- Take part in informational interviews through sources such as Ten Thousand Coffees

Final Year

- Meet with your faculty and academic advisor to review degree requirements
- Complete all required courses in order to fulfill degree audit
- Apply to graduate through MyUWindsor 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★

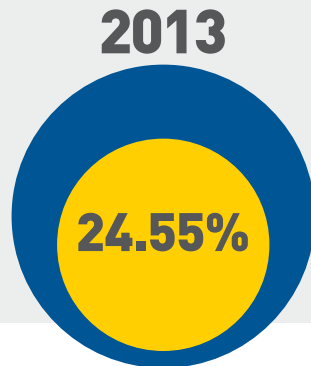
- Run for a UWSA executive position
- Conduct field research with faculty member★
- Become a tutor for Students Offering Support (SOS)
- Work toward Class 4 Instructor Rating
- Put in additional flight time toward the Airline Transport Pilot License

- Consider applying to graduate or professional school and be aware of early application deadlines
- Meet with Career & Employment Services to prepare application documents such as a resumé, CV or personal statement
- Attend an Interview Skills Workshop and Job Search Tips Workshop
- Set up a mock interview for professional school or job applications
- Meet employers at the annual job fair in January
- Compose a portfolio of relevant academic and work experience

★ High-Impact Practice: educational practices that include experiential learning as a basis for student engagement and successful scholarship

AERONAUTICS LEADERSHIP

LIFE AFTER GRADUATION



Percentage of Canadian university social and behavioural sciences graduates who continued their studies post-bachelor degree. (National Graduates Study 2013)



COMMON INDUSTRIES FOR AERONAUTICS LEADERSHIP 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 TRACKS*

Aeronautical engineer
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.

CAREER-READINESS COMPETENCIES



Critical Thinking and Problem Solving: Using strategic and creative thinking to make decisions and evaluate solutions

- Critically analyzing problems, thinking creatively, and making appropriately reasoned decisions
- Compiling, organizing, and comprehending new information and applying it appropriately to various situations and settings
- Prioritizing and concentrating on relevant resources when presented with a wealth of sources of information



Teamwork and Collaboration: Working as a productive member of a group and collaborating with others to achieve set goals

- Directing and contributing meaningfully to group discussions; facilitating meaningful dialogue and collaboration
- Leading and interacting with colleagues who reflect different backgrounds, learning styles, and approaches
- Overseeing contributions to a project; determining outcomes, planning details, delegating, and completing tasks



Professionalism and Work Ethic: Demonstrating personal management practices and a high level of integrity and ethical behaviour

- Managing time, data, and resources to meet deadlines
- Seeing issues from a variety of vantage points
- Using appropriate, sensitive, and inclusive vocabulary



Communication: Appropriate and effective articulation of ideas and information to a range of audiences

- Developing effective, attractively organized reports
- Preparing and delivering oral and written presentations and reports using sophisticated technological aids
- Reading/writing articulately, analytically, and persuasively



CAMPUS RESOURCES

- Visit **Leddy Library** and the **Writing Support Desk** on the main floor for help with academic assignments
- Improve study skills through the **Skills To Enhance Personal Success (STEPS)** program
- Discover ways to get involved on campus through the **Student Success and Leadership Centre**
- Explore mentorship opportunities through the **Connecting4Success (C4S)** and **Bounce Back** programs
- Apply to the **Volunteer Internship Program (VIP)** to get involved in the community
- Look into the **Work Study** program for on-campus employment opportunities
- Broaden your cultural awareness through the **International Student Centre** and **Student Exchange Office**
- Get assistance developing your career plan and job search skills from **Career & Employment Services**
- Consult with the **EPICentre** if you are interested in starting your own business
- Seek out assistance with academic accommodation from **Student Accessibility Services**
- Tend to your health and wellness with support from **Student Health Services, Lancer Recreation** and the **Student Counselling Centre**

Recruitment Office

Phone: 519-973-7014

Toll-Free: 1-800-864-2860

Email: info@uwindsor.ca

Faculty of Arts, Humanities and Social Sciences

Phone: 519-253-3000, Ext. 2029

Email: deanarts@uwindsor.ca

Career and Employment Services

Phone: 519-253-3000, Ext. 3895

Email: careerservices@uwindsor.ca
experience.uwindsor.ca



University
of Windsor

PROMISE
@ uwindsor.ca