



Effective 2015/2016

Career Cluster ►



Transportation,
Distribution
& Logistics

Career Pathway ►

Transportation
Operations

AERONAUTICS – PILOT TRAINING

(10-402-1)

Associate of Applied Science Degree

Most Courses Offered at Horizon Center

Δ Suggested Sequence	✓	Course Number	Course Title	Requisites	Credits	Hrs/Wk Lec - Lab
Semester 1		402-129 *	Aviation / Introduction		3	2-2
		402-139 *	Aero Science – Engine/ Structure/ System		3	3-0
		402-140C *	Flight Private Pilot A	Prereq: Inst. Consent Coreq: 402-129	1	0-2
		402-140D *	Flight Private Pilot B	Prereq: 402-140C & Inst. Consent	2	0-4
		801-136	English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
		804-113	College Technical Math 1A	Prereq: 834-110 (See Note 1)	3	3-0
Semester 2		402-136 *	Aero Science – Aviation Weather		3	2-2
		402-137 *	Aero Science – Instrument	Prereq: 402-140 OR 402-140D	3	2-2
		402-171 *	Professional Piloting I	Prereq: 402-140 OR 402-140D Coreq: 402-137	2	0-4
		801-197	Technical Reporting	Prereq: 801-136	3	3-0
		801-198	Speech	Prereq: 838-105 (See Note 1)	3	3-0
		809-196	Sociology, Introduction to	Prereq: 838-105 (See Note 1 & 7)	3	3-0
Semester 3		402-133 *	Aero Science – Commercial	Prereq: 402-140 OR 402-140D	3	2-2
		402-135 *	Aero Science – Aerophysics/Aerodynamics		3	3-0
		402-173 *	Professional Piloting II	Prereq: 402-171	2	0-4
		809-195	Economics	Prereq: 838-105 (See Note 1)	3	3-0
		809-198	Psychology, Introduction to	Prereq: 838-105 (See Note 1 & 7)	3	3-0
Semester 4		402-120	Aero Decision Making	Coreq: 402-177; 402-138	2	1-2
		402-122	Aircraft Systems – Advanced	Prereq: 402-139	3	3-0
		402-138 *	Aero Science – Aviation Safety		3	3-0
		402-175 *	Professional Piloting III	Prereq: 402-173 Coreq: 402-133	2	0-4
		402-177 *	Professional Piloting IV	Coreq: 402-175	2	0-4
Electives		Take 6 elective credits. Any associate degree level course may be taken as an elective.				6
		Suggested Electives:				
		402-166 Aeronautics Skill Development (1 Cr)	402-145 Flight-Certified Flight Instructor (2 Cr)			
		402-146 Flight Certified Instructor Instrument (1 Cr)	402-150 Internship-Flight (3 Cr)			
	402-134 Aero Science Cert Flight Instructor Airplane (2 Cr)	402-131 Aero Science-Fund/Inst (2 Cr)				
Minimum Program Total Credits Required					64	

Δ Courses may be taken out of suggested sequence as long as requisites have been met.



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PROGRAM DESCRIPTION

Aeronautics-Pilot Training develops the skills and knowledge, through academic and practical application, necessary for an entry-level career as a professional pilot. Required aircraft training and electives include commercial certificate with single engine, multi-engine, and instrument ratings, and certified flight instructor certificate with single engine, multi-engine, and instrument ratings. Actual licensing is dependent upon successful completion by the individual student.

PROGRAM LEARNING OUTCOMES

Graduates of the Aeronautics-Pilot Training Associate Degree Program should be able to:

1. Hold Federal Aviation Administration (FAA) certification as Commercial Pilot for single and multi-engine land airplanes with an instrument rating.
2. Have an awareness of safety and possess aeronautical decision making skills for facing planned as well as unplanned in-flight scenarios.
3. Have a thorough working knowledge of the Federal Aviation Regulations (FAR's) and appropriate operating practices as contained in the Aeronautical Information Manual (AIM).
4. Incorporate effective communication skills in a two pilot crew environment.

CORE ABILITIES

Gateway believes students need both technical knowledge and skills and core abilities in order to succeed in a career and in life. The following nine core abilities are the general attitudes and skills promoted and assessed by all Gateway programs. All Gateway graduates should be able to:

- | | |
|--|---|
| 1. Act responsibly | 6. Respect themselves and others as a member of a diverse community |
| 2. Communicate clearly and effectively | 7. Think critically and creatively |
| 3. Demonstrate essential computer skills | 8. Work cooperatively |
| 4. Demonstrate essential mathematical skills | 9. Value learning |
| 5. Develop job seeking skills | |

ADMISSION REQUIREMENTS

1. Students must submit an application & \$30 fee.
2. Students must complete reading, writing, math, and computer skills placement assessments.
3. Students must submit official high school, GED, or HSED transcript.

GRADUATION REQUIREMENTS

1. Minimum 64 credits with an average of 2.0 or above.
2. *Average of 2.0 ("C") or above for these major courses.

For a complete list of Graduation Requirements check the Student Handbook.

NOTES

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Students must maintain a 2.0 GPA in Aviation Core courses (402 courses) to continue with flight training.
3. Any course may be taken prior to entry in the program, assuming prerequisites and corequisites have been satisfied (or waived with department approval).
4. A student supplied tablet computer is required for all flight courses. Please contact the department prior to purchasing a tablet for the minimum specification sheet.
5. A valid FAA 3rd class (or higher) medical certificate is required prior to beginning any flight course.
6. Proof of U.S. Citizenship or TSA approval required prior to beginning any flight course.
7. Transfer credits in Social Science may substitute for this course. See an advisor for details.

OTHER INFORMATION

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult Web Advisor for exact fee amounts. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.

**EQUAL OPPORTUNITY EMPLOYER AND EDUCATOR
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To schedule an appointment with an advisor, please call 1-800-247-7122.

For a complete list of course descriptions (and possible online courses) for this program, please consult Web Advisor on our web page at www.gtc.edu.

My advisor is _____. My advisor's contact information is _____.