



Aeronautics – Pilot Training (10-402-1)

Associate of Applied Science

Effective 2022/2023

The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here.

All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan.

Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.).

HZ-D = Horizon Center/days, F=Fall, S=Spring, SU=Summer

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	HZ-D
1	890-155	1	📍 Gateway to Success (G2S)		F+
1	*402-139	3	Aero Science – Engine/ Structure/ System		F
1	*402-129	3	🎓 Aviation / Introduction ⁷		F
1	804-135	3	Quantitative Reasoning ^{1,7}	Prereq: 834-109	F+
2	*402-136	3	Aero Science – Aviation Weather	Coreq: 402-129	S
2	*402-137	3	Aero Science – Instrument	Prereq: 402-129	S
2	*402-178	2	Private Pilot I ⁷	Prereq: Instructor Consent Coreq: 402-129	S
2	*402-179	1	Private Pilot II ⁷	Prereq: Instructor Consent; 402-178 Coreq: 402-129	S
2	*402-180	1	Private Pilot III ⁷	Prereq: Instructor Consent; 402-179 Coreq: 402-129	S
3	*402-170	3	🎓 Professional Piloting I ^{2,3,4,5,8,9,10}	Prereq: Instructor Consent; 402-140 OR 402-180 Coreq: 402-137	SU
3	801-136	3	English Composition 1 ^{1,7}	Prereq: 831-103 OR 831-107	SU+
4	*402-133	3	Aero Science – Commercial	Prereq: 402-129	F
4	*402-135	3	Aero Science – Aerophysics/Aerodynamics	Prereq: 804-135; 801-136	F
4	*402-173	2	Professional Piloting II ^{2,3,4,5,8,9,10}	Prereq Instructor Consent; Coreq: 402-137	F
5	*402-123	2	Aircraft Systems – Advanced	Prereq: 402-139	S
5	*402-131	2	Aero Science Fund/Instr.	Prereq: 402-133	S
5	*402-175	2	Professional Piloting III ^{2,3,4,5,8,9,10}	Prereq: Instructor Consent; 402-173; Coreq: 402-133	S
5	801-198	3	Speech		S+
6	*402-177	2	Professional Piloting IV ^{2,3,4,5,8,9,10}	Prereq: Instructor Consent; 804-135; 801-136; Coreq: 402-175	SU
6	801-197	3	Technical Reporting	Prereq: 801-136	SU+
6	809-198	3	Psychology, Introduction to ^{1,6,7}	Prereq: 838-105 OR 831-107	SU+
7	*402-134	2	Aero Science Certified Flight Inst. Airplane	Coreq: 402-145	F
7	*402-138	3	Aero Science – Aviation Safety		F
7	*402-145	2	Flight-Certified Flight Instructor ^{2,3,4,5,8,9,10}	Prereq: Instructor Consent; 402-177; Coreq: 402-131; 402-134	F
8	*402-120	2	Aero Decision Making	Prereq: Instructor Consent; 402-173; Coreq: 402-138	S
8	*402-146	1	Flight Certified Flight Instructor Instrument ^{2,3,4,5,8,9}	Prereq: Instructor Consent; 402-145	S
8	809-196	3	Sociology, Introduction to ^{1,6,7}	Prereq: 838-105 OR 831-107	S+

Minimum Program Total Credits Required: 64

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the back of the sheet.

📍 Mastery of this course will put students on a path to achieve successful degree completion, on-time graduation, and enrich the college experience. Students are required to take this course in their first semester of enrollment. Please see an advisor for details.

🎓 = Milestone Course. Faculty have identified this course as providing a strong foundation for success throughout the program.

(*) indicates students must achieve a minimum grade of 2.0 ("C") or above for these major courses to meet graduation requirements.

(+) indicates students may take these courses at any one of the three main campuses; Kenosha, Racine, Elkhorn or Online.

Aeronautics – Pilot Training (10-402-1)

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 certification is dependent upon successful completion of an external assessment by the individual student.

Program Learning Outcomes

Graduates will be able to:

1. Maintain compliance with procedures and practices contained in the Federal Aviation Regulations (FAR's), Aeronautical Information Manual (AIM), and other applicable FAA publications.
2. Obtain the Federal Aviation Administration (FAA) certification as a Commercial Pilot for single and multi-engine land planes with an instrument rating.
3. Demonstrate Single-pilot Resource Management (SRM).
4. Act as a professional member of the aviation community.
5. Obtain the Federal Aviation Administration (FAA) certification as a Certified Flight Instructor for single and multi-engine land planes with an instrument rating.

Essential Career Competencies

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:

- Communication
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Technology Competence

Admission Requirements

1. Students must submit an application and pay \$30 fee.
2. Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading, writing, and math placement assessments.

Graduation Requirements

- Minimum 64 credits with an average of 2.0 or above.
- *Minimum of 2.0 ("C") or above for these major courses.
- Complete 890-155 Gateway to Success (G2S) in the first semester.

For a complete list of Graduation Requirements, check the Student Handbook or [Graduation Requirements](#).

Notes

1. Satisfactory college placement results (through multiple measures or placement test scores) 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. 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.
4. A valid FAA 2nd class (or higher) medical certificate is required prior to beginning 402-140. All other flight courses require only a 3rd class medical certificate.
5. Proof of U.S. Citizenship or TSA approval required prior to beginning any flight course.
6. Transfer credits in Social Science may substitute for this course. See an advisor for details.
7. A credit for prior learning assessment is available for this course. For more information, please contact gtc.edu/petitioning.
8. Students must meet current petition requirements at the time they are eligible to enroll.
9. Students must petition each semester for their flight courses and are selected based on completion of academic eligibility requirements and district residency. See <https://www.gtc.edu/admissions/additional-resources/petitioning/petitioning-eligibility>.
10. In order to meet the FAA requirements for proficiency, and to successfully complete the course under FAA Part 141, students may need to enroll in a non-degree course to purchase additional flight time.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for one year or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult My Gateway 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.