



Aeronautics – Pilot Training (10-402-1)

Associate of Applied Science
Effective 2020/2021

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.

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 | Prereq: 834-109 | F+ |
| 2 | *402-140 | 3 | Flight Private Pilot ^{2,3,4,5,7,8,9,10} | Prereq: Instructor Consent Coreq: 402-129 | S |
| 2 | *402-136 | 3 | Aero Science – Aviation Weather | Coreq: 402-129 | S |
| 2 | *402-137 | 3 | Aero Science – Instrument | Prereq: 402-140 | S |
| 3 | *402-170 | 3 | 🎓 Professional Piloting I ^{2,3,4,5,8,9,10} | Prereq: Dept. Consent, 402-140; Coreq: 402-137 | SU |
| 3 | 801-136 | 3 | English Composition I ^{1,7} | Prereq: 831-103 OR 831-107 | SU+ |
| 4 | *402-173 | 2 | Professional Piloting II ^{2,3,4,5,8,9,10} | Prereq: Dept. Consent; Coreq: 402-137 | F |
| 4 | *402-133 | 3 | Aero Science – Commercial | Prereq: 402-140 | F |
| 4 | *402-135 | 3 | Aero Science – Aerophysics/Aerodynamics | Prereq: 804-135; 801-136 | F |
| 5 | *402-175 | 2 | Professional Piloting III ^{2,3,4,5,8,9,10} | Prereq: Dept. Consent; 402-173; Coreq: 402-133 | S |
| 5 | *402-123 | 2 | Aircraft Systems – Advanced | Prereq: 402-139 | S |
| 8 | *402-131 | 2 | Aero Science Fund/Instr. | Prereq: 402-133 | S |
| 5 | 801-198 | 3 | Speech | | S+ |
| 6 | *402-177 | 2 | Professional Piloting IV ^{2,3,4,5,8,9,10} | Prereq: Dept. 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 | *402-138 | 3 | Aero Science – Aviation Safety | | F |
| 7 | *402-134 | 2 | Aero Science Certified Flight Inst. Airplane | Coreq: 402-145 | F |
| 7 | *402-145 | 2 | Flight-Certified Flight Instructor ^{2,3,4,5,8,9,10} | Prereq: Dept. Consent; 402-177; Coreq: 402-131; 402-134 | F |
| 8 | *402-120 | 2 | Aero Decision Making | Prereq: Dept. Consent; 402-173; Coreq: 402-138 | S |
| 8 | *402-146 | 1 | Flight Certified Flight Instructor Instrument ^{2,3,4,5,8,9} | Prereq: Dept. 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: 63

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, or Elkhorn.

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. Criteria– You must pass the practical tests for instrument rating airplane, commercial pilot airplane multi-engine land and commercial pilot single-engine land.
2. Obtain the Federal Aviation Administration (FAA) certification as a Commercial Pilot for single and multi-engine land planes with an instrument rating. Criteria – You must comply with as well as explain the purpose and value of instrument rating airplane and commercial pilot airplane procedures and practices.
3. Demonstrate Single-pilot Resource Management (SRM). Criteria – You must demonstrate task management, risk management, situational awareness, aeronautical decision-making, controlled flight into terrain awareness and automation management.
4. Act as a professional member of the aviation community. Criteria – You must act professional at all times, be sincere, present a professional appearance and personal habits, maintain a calm demeanor, practice safety and accident prevention at all times, use appropriate language, continue professional development, admit errors and be punctual.
5. Obtain the Federal Aviation Administration (FAA) certification as a Certificated Flight instructor for single- and multi-engine land airplanes with an instrument rating. Criteria – You must comply with as well as explain the purpose and value of CFI-ASEL and CFI-Instrument procedures and practices.

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 Competence
- 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 high school GPA of 2.6, minimum college GPA of 2.0, or complete valid reading, writing, and math placement assessments.

Graduation Requirements

- Minimum 63 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. 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. 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 cfpl@gtc.edu.
8. Students must meet current petition requirements at the time they are eligible to enroll.
9. Students are selected for core courses 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 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 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.