| | Career Cluster ► | Career Pathway ► | **AERONAUTICS – PILOT TRAINING** |
|---|---|---|---|
| **GATEWAY** TECHNICAL COLLEGE **Effective 2013/2014** | Transportation, Distribution & Logistics | Transportation Operations | **(10-402-1)** *Associate of Applied Science Degree* **Most Courses Offered at Horizon Center** |

| <sup>Δ</sup>*Suggested Sequence* | √ | *Course Number* | | *Course Title* | *Requisites* | *Credits* | *Hrs/Wk Lec - Lab* |
|---|---|---|---|---|---|---|---|
| **Semester 1** | | 402-129 | * | Aviation / Introduction | | 3 | 0-6 |
| | | 402-139 | * | Aero Science – Engine/ Structure/ System | | 3 | 3-0 |
| | | 402-140 | * | Flight Private Pilot | Coreq: 402-129 | 3 | 0-6 |
| | | 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 | 3-0 |
| | | 402-137 | * | Aero Science – Instrument | | 3 | 0-6 |
| | | 402-171 | * | Professional Piloting I | Prereq: 402-140 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) | 3 | 3-0 |
| **Semester 3** | | 402-133 | * | Aero Science – Commercial | | 3 | 0-6 |
| | | 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) | 3 | 3-0 |
| **Semester 4** | | 402-120 | | Aero Decision Making | Prereq: 402-177 | 2 | 0-4 |
| | | 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 | Prereq: 402-175 | 2 | 0-4 |
| **Electives** | | *Take 6 elective credits. Any associate degree level course may be taken as an elective.* | | | | *6* | |

*Suggested Electives:* 402-131 Aero Science-Fundamentals/Instruction (2 Cr)

    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 Certified Flight Instructor Airplane (2 Cr)

| | **Program Total Required** | **64** |
|---|---|---|

<sup>Δ</sup>*Courses may be taken out of suggested sequence as long as requisites have been met.*

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

## 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.
4. Students must complete a Wisconsin residency form.

## GRADUATION REQUIREMENTS

1. 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.

## 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 the Master Class Schedule 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.

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You may call Student Services at 1-800-247-7122 for additional information.
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 _____.