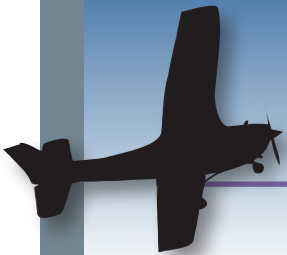




## Soar above it all!

You look up into the sky every time you hear an airplane passing! You've been thinking about learning to fly for a long time, probably since you were a kid, but you haven't taken that first step to turn your dream into a reality. Well, now is the time. Our Aviation/Professional Pilot Training program at the Bixhorn Technical Center prepares students to receive their Federal Aviation Administration (FAA) Private Pilot Certificate. Soar above your friends! Learn to fly with The Academy!

"To invent a plane is nothing, to build one is something, to fly is everything."  
— Otto Lilienthal



Advanced college/trade school credit is available to qualifying students from the following institution:

**VaughnCollege**  
of aeronautics and technology

**COURSE TITLE: AVIATION/PROFESSIONAL PILOT TRAINING**

**COURSE DESCRIPTION — FIRST YEAR**

The students will study aerodynamics, navigation, meteorology, aviation physiology, airplane performance and air traffic control procedures. They will operate actual aircraft as well as flight simulators. All students will be prepared to take the Federal Aviation Administration (FAA) Private Pilot Knowledge Exam (FAA testing procedures apply) and the FAA 3rd Class Medical Exam by the end of the first year.

**COURSE DESCRIPTION — SECOND YEAR**

Students who have passed the FAA Private Pilot Knowledge Exam and the FAA 3rd Class Medical Exam will be eligible to enroll in the second year of the program. Students will have ground school and flight instruction in a single engine training aircraft. All flight time earned will be recorded in student logbooks and can be credited toward pilot certification. Students will also use computers with flight training simulator programs and graphics as well as academic software to cover aviation science areas and FAA exam material.

**COURSE CONTENT**

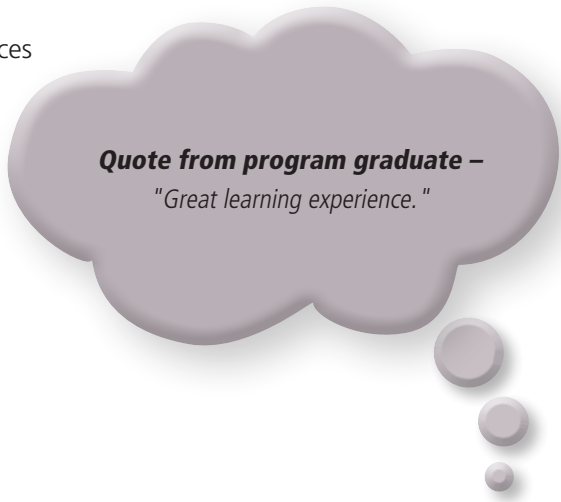
|                           |  |
|---------------------------|--|
| Science of Meteorology    | Basic Sciences of Pre-Flight (Ground School) |
| Airport Layout and Design | Navigation and Related Mathematics           |
| Radio Communications      | Airplane Construction                        |
| Air Traffic Control       | Aerodynamics and Related Services            |

**EDUCATIONAL OPPORTUNITIES**

Advanced College and Military Standing

**CAREER OPPORTUNITIES**

|                                     |                               |
|-------------------------------------|-------------------------------|
| Professional Pilot                  | Flight and Ground Instruction |
| Air Traffic Controller and Services | Aircraft Management           |
| Military Options                    | Airport Operations            |
| Aircraft Dispatcher                 | Aeronautical Engineer         |
| Meteorology                         | Aircraft Mechanic/Repairman   |
| Aircraft Avionics Technician        |                               |



**SUGGESTED SUPPORTIVE COURSES**

Algebra, Earth Science and Physics

**ADDITIONAL INFORMATION**

|                                  |   |
|----------------------------------|---|
| <b>COSTS</b> .....               | <b>First Year:</b><br>Approximately \$30 for required charts;<br>Approximately \$20 for professional pilot shirt;<br>FAA Knowledge Exam fee approximately \$165<br>*FAA Medical Exam fee approximately \$75-\$125 |
| <b>LENGTH OF COURSE</b> .....    | 2 years   |
| <b>LOCATION</b> .....            | Gary D. Bixhorn Technical Center  |
| <b>CTE/ACADEMIC CREDIT</b> ..... | Please see chart on pages 4 and 5 for updated details   |
| <b>OPTIONAL INDUSTRY</b>         |   |
| <b>CERTIFICATION</b> .....       | Federal Aviation Administration Private Pilot Certification<br>(Additional fees will apply)   |



\*Please note: Certain medications may disqualify a student from passing the FAA Medical Review. Please see instructor for additional guidance.

