Professional Pilot

Bachelor of Science (BS)

Want to see the world in a whole new way. Why not try the view from the cockpit! The professional pilot program is intended to provide the training needed to attain the FAA certifications and become a professional pilot within commercial aviation. Successful students will obtain their private pilots, commercial pilots, and flight instructor certifications.

Students in this program will take a variety of courses to prepare them for a career in commercial aviation. The core of the program fundamental courses to prepare for the FAA certifications. These courses are paired with lab courses at the airport that let you work with the aircraft both on the ground and in the air. You will take the controls to gain the flight hours required. In addition, you take other classes to help you learn how to successfully manage an aircraft and its crew.

The professional pilot program is a new program for fall semester of 2021. We will continue to refine this program to best prepare students for their future careers.

Becoming Career Ready...

/ Faculty with relevant experience work closely with students by providing them with practical experience and a curriculum that meets the needs of commercial aviation.

/ A graduate from this program should have the qualifications to become an FAA certified flight instructor.

/ 100% of Southeast programs offer real-world experience. Professional pilot students earn this experience through a series of lab courses completed at the Cape Girardeau Regional Airport.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

/ The Office of Career Services in Academic Hall 057 can provide students with professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

Career Opportunities:
- Commercial Pilot
- Flight Instructor
- Freight Airline Pilot
- Military Pilot
- Regional Airline Pilot
- Corporate Aviation
- Charter Operations
- Federal and State Government (i.e. border protection, FBI, law enforcement, transportation)

Transfer and Dual Credit Students
If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.

Lab Course Fees
There is a substantial cost associated with the flight training labs for this program:

- Year 1: Private Pilots (AV111 and AV112)
- Year 2: Instrumentation (AV211 and AV212)
- Year 3: Commercial Pilots (AV311 and AV312)
- Year 4: Instructor (AV411 and AV412)

The total approximate lab fees to complete the curriculum is $71,000-$75,000. Actual cost will vary depending on the number of flight hours the student requires to successfully pass the needed milestones. These are estimated fees that are subject to approval by the Board of Regents. These lab fees are in addition to tuition and fees associated with the academic program.

Some expenses may be covered by financial aid and Student Financial Services can provide students with available financing options.

To learn more
Office of Admissions
(573) 651-2590
admissions@semo.edu
semo.edu

To explore
the College of Science, Technology, Engineering and Mathematics
online, visit
semo.edu/stem

For advising
Center for Academic Advising
semo.edu/advising
# CURRICULUM CHECKLIST

**Professional Pilot** – 99-101 hours required – no minor required

Some courses may fulfill General Education requirements.

- AV110 Private Pilots (3)
- AV111 Private Pilots Lab 1 (2)
- AV112 Private Pilots Lab 2 (1)
- AV210 Aviation Instrumentation (3)
- AV211 Aviation Instrumentation Lab 1 (2)
- AV212 Aviation Instrumentation Lab 2 (1)
- AV301 Aviation Safety (3)
- AV306 Aviation Management 1 (3)
- AV310 Commercial Pilot (3)
- AV311 Commercial Pilot Lab 1 (2)
- AV312 Commercial Pilot Lab 2 (1)
- AV390 Aircraft Design (3)
- AV395 Aircraft Performance (3)
- AV406 Aviation Management 2 (3)
- AV408 Flight Management 2 (3)
- AV410 Flight Instructor (3)
- AV411 Flight Instructor Lab 1 (2)
- AV412 Flight Instructor Lab 2 (1)
- AV420 Jet Flight Management (3)
- AV430 Professional Flight (3)
- AV450 Aviation Capstone (3)
- EN100 English Composition (3)
- ET380 Vision and Sensor Systems (3)
- ET381 Fundamentals of Flight (3)
- ET384 UAS Law and Policy (3)
- GO418 Meteorology (4)
- IM300 Technical Communications (3)
- IM301 Industrial Safety Supervision (3)
- IM311 Statistical Process Control (3)
- IM411 Total Quality Assurance (3)
- IM419 Industrial Supervision (3)
- MA116 Precalculus A (3)
- MN220 Engineering Economic Analysis (3)
- PH120/020 Introductory Physics I (3)

Choose 3-5 hours:
- CH180 Chemistry in Our World (3)
- CH181 Basic Principles of Chemistry (5)
- GO110 Physical Geology (3)

Choose 3 hours:
- SC105 Fundamentals of Oral Communication (3)
- SC155 Fundamentals of Interpersonal communication (3)

### General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

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### SAMPLE FOUR-YEAR PLAN

#### FALL SEMESTER

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#### FIRST YEAR

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*Many major courses are on a set rotation and thus dependent on when prerequisite courses are completed. The actual semester a course is taken may vary based on the rotation.*

**Degree requirements for all students**: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

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Revised 2/9/2021