



## Bachelor of Science (BS) Aerospace Sciences (Professional Pilot Concentration)

This Program Map is Part of the **Industry, Manufacturing, and Construction Pathway**

This Program Map is for students who plan to earn a BS degree in Aerospace Sciences with a concentration in Professional Pilot at Polk State College. Admission to this program requires an associate degree from a regionally-accredited institution and the following FAA certifications: Private Pilot, Instrument Rating, and Commercial Pilot. For more information about admission criteria, [please refer to the College catalog](#). Students who are interested in earning a BS in Aerospace Sciences with a concentration in Professional Pilot and do not currently have an associate degree should follow the Program Map for Associate in Science (AS) in Professional Pilot Science. This Program Map is intended to serve as a guide, and students should always meet with their Student Success Advisor to develop a personalized Educational Plan.

### Full-time Program Map for Students Entering with an AS Degree in Professional Pilot Science

Term	Course ID	Course Title	Credits
<b>Term 1</b> <b>12 Credits</b>	Mathematics	Mathematics General Education Course	3 Credits
	AVM 3671	Safety Management Systems and Security	3 Credits
	AVM 3011	Air Transportation Systems Management	3 Credits
	ASC 3690	Airspace Systems and NextGen	3 Credits
<b>Term 2</b> <b>15 Credits</b>	ENC 1102	College Composition II	3 Credits
	GEB 3213	Advanced Communications in Business	3 Credits
	ASC 3474	Applied Human Factors	3 Credits
	ASC 4460	Crew Resource Management (See Note 3)	3 Credits
	ASC 4671	Transport Category Aircraft Systems (See Note 3)	3 Credits
<b>Term 3</b> <b>6-7 Credits</b>	LIT 1000	Introduction to Literature	3 Credits
	Natural Sciences	Natural Sciences General Education Course (See Note 1 Below)	3-4 Credits
<b>Term 4</b> <b>15 Credits</b>	Social Sciences	Social Sciences General Education Course	3 Credits
	Humanities	Humanities General Education Course (See Note 2 Below)	3 Credits
	ASC 4551	Advanced and High-Altitude Aerodynamics (See Note 3)	3 Credits
	ASC 4630 Elective	Propulsion Fundamentals (See Note 3) Approved Elective (See Note 3 Below)	3 Credits 3 Credits
<b>Term 5</b> <b>12 Credits</b>	ASC 3321	Aerospace Law and Ethics	3 Credits
	AVM 3030	Principles of Aerospace Leadership	3 Credits
	Elective	Approved Elective (See Note 3 Below)	3 Credits
	ASC 4950	Capstone Experience: Professional Pilot	3 Credits

**Total Required Program Hours: 120 (Includes Credits from AS Degree)**

#### A Few Notes:

1. Students who completed a 4-credit-hour science class as part of their AS degree may take either a 3-credit-hour or 4-credit hour science class. Students who completed a 3-credit-hour science class as part of their AS degree must take a 4-credit-hour science class.
2. Students who completed HUM 2020 as part of their AS degree may take any approved Humanities General Education course. Students who completed PHI 2600 as part of their AS degree must take HUM 2020.



3. Students must earn 6 credit hours of electives from the following list: ASC 4940, ATF 3404L, ATF 3502L, ATF 3511L, ATF 3531L, ATF 4705C, ATT 3134, AVM 4110, and AVM 4530.
4. Students must meet all graduation requirements, including demonstrating proficiency in a foreign language and civic literacy requirements. To learn more about graduation requirements, [please refer to the College Catalog](#).

Program: S6200 - **2024-2025 Catalog Year (tentative)**





## Bachelor of Science (BS) Aerospace Sciences (Professional Pilot Concentration)

This Program Map is Part of the **Industry, Manufacturing, and Construction Pathway**

This Program Map is for students who plan to earn a BS degree in Aerospace Sciences with a concentration in Professional Pilot at Polk State College. Admission to this program requires an associate degree from a regionally-accredited institution and the following FAA certifications: Private Pilot, Instrument Rating, and Commercial Pilot. For more information about admission criteria, [please refer to the College catalog](#). Students who are interested in earning a BS in Aerospace Sciences with a concentration in Professional Pilot and do not currently have an associate degree should follow the Program Map for Associate in Science (AS) in Professional Pilot Science. This Program Map is intended to serve as a guide, and students should always meet with their Student Success Advisor to develop a personalized Educational Plan.

### Part-Time Program Map for Students Entering with an AS Degree in Professional Pilot Science

Term	Course ID	Course Title	Credits
Term 1	Mathematics	Mathematics General Education Course	3 Credits
	AVM 3671	Safety Management Systems and Security	3 Credits
Term 2	ENC 1102	College Composition II	3 Credits
	ASC 3474	Applied Human Factors	3 Credits
Term 3	LIT 1000	Introduction to Literature	3 Credits
	Natural Sciences	Natural Sciences General Education Course (See Note 1 Below)	3-4 Credits
Term 4	AVM 3011	Air Transportation Systems Management	3 Credits
	ASC 3690	Airspace Systems and NextGen	3 Credits
Term 5	ASC 4460	Crew Resource Management (See Note 3)	3 Credits
	ASC 4671	Transport Category Aircraft Systems (See Note 3)	3 Credits
Term 6	Social Sciences	Social Sciences General Education Course	3 Credits
	Humanities	Humanities General Education Course (See Note 2 Below)	3 Credits
Term 7	ASC 4551	Advanced and High-Altitude Aerodynamics (See Note 3)	3 Credits
	ASC 4630	Propulsion Fundamentals (See Note 3)	3 Credits
Term 8	ASC 3321	Aerospace Law and Ethics	3 Credits
	AVM 3030	Principles of Aerospace Leadership	3 Credits
Term 9	Elective	Approved Elective (See Note 3)	3 Credits
	GEB 3213	Advanced Communications in Business	3 Credits
Term 10	Elective	Approved Elective (See Note 3)	3 Credits
	ASC 4950	Capstone Experience: Professional Pilot	3 Credits

**Total Required Program Hours: 120 (Includes Credits from AS Degree)**

#### A Few Notes:

- Students who completed a 4-credit-hour science class as part of their AS degree may take either a 3-credit-hour or 4-credit hour science class. Students who completed a 3-credit-hour science class as part of their AS degree must take a 4-credit-hour science class.
- Students who completed HUM 2020 as part of their AS degree may take any approved Humanities General Education course. Students who completed PHI 2600 as part of their AS degree must take HUM 2020.



7. Students must earn 6 credit hours of electives from the following list: ASC 4940, ATF 3404L, ATF 3502L, ATF 3511L, ATF 3531L, ATF 4705C, ATT 3134, AVM 4110, and AVM 4530.
8. Students must meet all graduation requirements, including demonstrating proficiency in a foreign language and civic literacy requirements. To learn more about graduation requirements, [please refer to the College Catalog](#).

Program: S6200 - **2024-2025 Catalog Year (tentative)**

