



## Bachelor of Science (BS) Aerospace Sciences (Aerospace Administration 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 Aerospace Administration at Polk State College. Admission to this program requires an associate degree from a regionally-accredited institution. 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 Aerospace Administration and do not currently have an associate degree should follow the Program Map for Associate of Science (AS) in Aerospace Administration. 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.

### Program Map for Students Attending Full-Time Entering with an AS Degree in Aerospace Administration

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
	AVM 4150	Aviation Business Strategies	3 Credits
	AVM 4460	Environmental Issues for Aerospace	3 Credits
<b>Term 3</b> <b>6-7 Credits</b>	Natural Sciences	Natural Science General Education Course (See Note 2 Below)	3-4 Credits
	LIT 1000	Introduction to Literature	3 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 3 Below)	3 Credits
	AVM 4411	Airport Operations	3 Credits
	AVM 4516	Airline Operations	3 Credits
	Elective	Approved Elective (See Note 4 Below)	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
	AVM 4950	Capstone Experience: Aerospace Administration	3 Credits
	Elective	Approved Elective (See Note 4 Below)	3 Credits

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

#### A Few Notes:

1. Students must meet all graduation requirements, including demonstrating proficiency in a foreign language. To learn more about graduation requirements, [please refer to the College Catalog](#).
2. 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.
3. 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.



4. Students must earn 6 credit hours of electives from the following list: ASC4940, AVM 4110, AVM 4131, AVM 4451, AVM 4530, GEB 4891, MAN 4504, or PAD 4204.

Program: S6210 - **2021-22 Catalog Year**



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### Program Map for Students Attending Part-Time Entering with an AS Degree in Aerospace Administration

Term	Course ID	Course Title	Credits
<b>Term 1</b>	Mathematics	Mathematics General Education Course	3 Credits
	AVM 3671	Safety Management Systems and Security	3 Credits
<b>Term 2</b>	ASC 3474	Applied Human Factors	3 Credits
	AVM 4150	Aviation Business Strategies	3 Credits
<b>Term 3</b>	ENC 1102	College Composition II	3 Credits
	Natural Sciences	Natural Science General Education Course (See Note 2 Below)	3-4 Credits
<b>Term 4</b>	AVM 3011	Air Transportation Systems Management	3 Credits
	ASC 3690	Airspace Systems and NextGen	3 Credits
<b>Term 5</b>	AVM 4460	Environmental Issues for Aerospace	3 Credits
	ASC 3321	Aerospace Law and Ethics	3 Credits
<b>Term 6</b>	Social Sciences	Social Sciences General Education Course	3 Credits
	Humanities	Humanities General Education Course (See Note 3 Below)	3 Credits
<b>Term 7</b>	AVM 4411	Airport Operations	3 Credits
	AVM 4516	Airline Operations	3 Credits
<b>Term 8</b>	AVM 3030	Principles of Aerospace Leadership	3 Credits
	GEB 3213	Advanced Communications in Business	3 Credits
<b>Term 9</b>	LIT 1000	Introduction to Literature	3 Credits
	Elective	Approved Elective (See Note 4 Below)	3 Credits
<b>Term 10</b>	AVM 4950	Capstone Experience: Aerospace Administration	3 Credits
	Elective	Approved Elective (See Note 4 Below)	3 Credits

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

#### A Few Notes:

1. Students must meet all graduation requirements, including demonstrating proficiency in a foreign language. To learn more about graduation requirements, [please refer to the College Catalog](#).
2. 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.
3. 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.



4. Students must earn 6 credit hours of electives from the following list: ASC 4940, AVM 4110, AVM 4131, AVM 4451, AVM 4530, GEB 4891, MAN 4504, or PAD 4204.

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### Program Map for Students Attending Full-Time Entering with an AA Degree

Term	Course ID	Course Title	Credits
<b>Term 1</b> <b>12 Credits</b>	ASC 1010, or AVM 1010	Foundations of Air Transportation, or Aviation Management	3 Credits
	ASC 1210	Aviation Meteorology	3 Credits
	ASC 2870	Safety Management Systems & Operational Risk	3 Credits
	AVM 1022, or ASC 2473, or AVM 2410	Flight Operations, or Human Factors and Resource Management, or Airport Management	3 Credits
<b>Term 2</b> <b>12 Credits</b>	ASC 1310	US and International Aviation Operations	3 Credits
	ASC 3321	Aerospace Law and Ethics	3 Credits
	AVM 3030	Principles of Aerospace Leadership	3 Credits
	ASC 3474	Applied Human Factors	3 Credits
<b>Term 3</b> <b>6 Credits</b>	ENC 2210, or GEB 2214	Introduction to Technical Writing, or Business Communications	3 Credits
	GEB 3213	Advanced Communications in Business	3 Credits
<b>Term 4</b> <b>15 Credits</b>	AVM 3011	Air Transportation Systems Management	3 Credits
	ASC 3690	Airspace Systems and NextGen	3 Credits
	AVM 3671	Safety Management Systems and Security	3 Credits
	AVM 4411	Airport Operations	3 Credits
	AVM 4516	Airline Operations	3 Credits
<b>Term 5</b> <b>15 Credits</b>	AVM 4460	Environmental Issues for Aerospace	3 Credits
	AVM 4150	Aviation Business Strategies	3 Credits
	AVM 4950	Capstone Experience: Aerospace Administration	3 Credits
	Elective	Approved Elective (See Note 2 Below)	3 Credits
	Elective	Approved Elective (See Note 2 Below)	3 Credits

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

#### A Few Notes:

- Students must meet all graduation requirements, including demonstrating proficiency in a foreign language. To learn more about graduation requirements, [please refer to the College Catalog](#).
- Students must earn 6 credit hours of electives from the following list: ASC 4940, AVM 4110, AVM 4131, AVM 4451, AVM 4530, GEB 4891, MAN 4504, or PAD 4204.

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### Program Map for Students Attending Part-Time Entering with an AA Degree

Term	Course ID	Course Title	Credits
Term 1	ASC 1010, or AVM 1010	Foundations of Air Transportation, or Aviation Management	3 Credits
	ASC 1210	Aviation Meteorology	3 Credits
	ASC 2870	Safety Management Systems & Operational Risk	3 Credits
Term 2	AVM 1022, or ASC 2473, or AVM 2410	Flight Operations, or Human Factors and Resource Management, or Airport Management	3 Credits
	ASC 1310	US and International Aviation Operations	3 Credits
Term 3	ENC 2210, or GEB 2214	Introduction to Technical Writing, or Business Communications	3 Credits
	AVM 3011	Air Transportation Systems Management	3 Credits
Term 4	ASC 3690	Airspace Systems and NextGen	3 Credits
	ASC 3321	Aerospace Law and Ethics	3 Credits
Term 5	AVM 3030	Principles of Aerospace Leadership	3 Credits
	GEB 3213	Advanced Communications in Business	3 Credits
Term 6	Elective	Approved Elective (See Note 2 Below)	3 Credits
	AVM 3671	Safety Management Systems and Security	3 Credits
Term 7	AVM 4411	Airport Operations	3 Credits
	ASC 3474	Applied Human Factors	3 Credits
Term 8	AVM 4460	Environmental Issues for Aerospace	3 Credits
	AVM 4150	Aviation Business Strategies	3 Credits
Term 9	Elective	Approved Elective (See Note 2 Below)	3 Credits
	AVM 4516	Airline Operations	3 Credits
Term 10	AVM 4950	Capstone Experience: Aerospace Administration	3 Credits

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

#### A Few Notes:

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Program: S6210 - 2021-22 Catalog Year



## Additional Information

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### **Career Coach**

Are you interested in learning more about the careers this program will prepare you for? If so, check out Career Coach. Career Coach provides information on job openings, wages, education requirements, required skills, and job postings. You can even complete a career assessment to find careers that match your interests. To learn more about the careers that this program will prepare you for, [please visit Career Coach](#).

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### **Polk State Pathways**

Interested in exploring Program Maps for other programs and transfer intents at Polk State? Visit [www.polk.edu/program-maps](http://www.polk.edu/program-maps) to view additional Pathways and Program Maps.

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