

**Polk State College – BS in Aerospace Sciences
Professional Pilot Concentration
Program Curriculum Table**

Curriculum for BS in Aerospace Sciences – Professional Pilot Concentration			
Courses from AS/AA Degree + General Education			
		Credits	TOTAL
Technical Courses from AS degree (Prereqs for AA entrants)		42	42
General Education Courses (18 extra credits needed for AS entrants)		36	36
Upper-Division Common Core Courses			
Course Number	Course Title	Credits	
ASC 3474	Applied Human Factors	3	
AVM 3011	Air Transportation Systems Management	3	
ASC 3321	Aerospace Law and Ethics	3	
ASC 3690	Airspace Systems and NextGen	3	
AVM 3671	Safety Management Systems and Security	3	
AVM 3030	Principles of Aerospace Leadership	3	
GEB 3213	Advanced Communications in Business	3	21
Professional Pilot Concentration Required Courses			
ASC 4460	Crew Resource Management	3	
ASC 4671	Transport Category Aircraft Systems	3	
ASC 4551	Advanced and High Altitude Aerodynamics	3	
ASC 4630	Propulsion Fundamentals	3	12
Professional Pilot Concentration Elective Courses (Choose 6 credits)			
ATF 4705C	Advanced Flight Operations	3	
ASC 4940	Aerospace Internship	3	
AVM 4110	Fixed Base Operations	3	
AVM 4530	Corporate Aviation Operations	3	
ATT 3134	Applications in Aviation Instruction	3	
ATF 3404L	Commercial Pilot Multi-Engine Additional	1	
ATF 3502L	Advanced Flight Instructor – Airplane	1	
ATF 3531L	Advanced Flight Instructor – Instrument	1	
ATF 3511L	Advanced Flight Instructor – Multi-Engine	1	6
Capstone Course			
ASC 4950	Capstone Experience: Professional Pilot	3	3
TOTAL		120 Credits	