



BS Aviation PPC Curriculum Requirements

General College of Engineering Requirements		RATP	Hours
Engr 1100.02	Introduction to Ohio State and Aviation		1
Engr 1181	Fundamentals of Engineering I		2
Engr 1182	Fundamentals of Engineering II		2
Math 1151	Calculus I		5
Math 1172	Engineering Mathematics A		5
Physics 1250	Mechanics, Thermal Physics, Waves		5
Aviation Core			
Aviatn 2000	Introduction to the Aviation Industry	X	3
Aviatn 2100	Private Pilot Fundamentals	X	5
Aviatn 2200	Aviation Organization Analysis and Writing	X	3
Aviatn 2300	Aircraft Performance and Weather	X	3
Aviatn 3000	Aviation Management and Marketing		3
Aviatn 3200	Aviation Regulations and Policy	X	3
Aviatn 3300	Aviation Human Factors and Safety	X	3
Aviatn 4520	Aviation Capstone		3
Aviation Electives			
Aviatn 2101	Private Pilot Flight Lab I	X	2
Aviatn 2102	Private Pilot Flight Lab II	X	2
Aviatn 2501	Commercial Cross Country Flight Lab	X	2
Aviatn 3100	Instrument Flight Fundamentals	X	3
Aviatn 3101	Instrument Flight Lab	X	3
Aviatn 4100	Commercial Flight Fundamentals	X	3
Aviatn 4101	Commercial Flight Lab I	X	2
Aviatn 4102	Commercial Flight Lab II	X	2
Aviatn 4300	Advanced Multi-Engine Operations	X	2
Aviatn 5100	Flight Instructor Methodology	X	2
Choose one of the following			
Aviatn 4301	Commercial Multi Engine Flight Lab	X	2
Aviatn 5101	Flight Instructor ASE Flight Lab	X	2
Aviation Technical Electives (choose at least 20 hours)*			
AeroEng 2200	Introduction to Aerospace Engineering I	X	4
Aviatn 2900	Air Traffic Control Fundamentals	X	3
Aviatn 3400	Aviation Accident Investigation	X	3
Aviatn 3600	Business and Corporate Aviation Management	X	3
Aviatn 3900	Air Traffic Management Systems and Environment	X	3
Aviatn 4000	Air Transportation Analysis I	X	3
Aviatn 4200	Aircraft Dispatch Fundamentals	X	3
Aviatn 4201	Applied Dispatching	X	3
Aviatn 5102	Flight Instructor AME Lab	X	1
Aviatn 5200	Instrument Flight Instructor Methodology	X	2
Aviatn 5201	Flight Instructor Instrument Flight Lab	X	1
Other technical courses related to a career in aviation approved by the Center for Aviation Studies			
May choose one of the following:			
AtmoSc 2940	Basic Meteorology	X	3
Geog 5900	Weather, Climate and Global Warming	X	3
General Education (choose at least 25 hours)			
For detailed GE curriculum requirements and course lists visit advising.engineering.osu.edu			



BS Aviation 4-Year Sample Schedule

	Autumn		Spring		Summer	
Year 1	Engr 1100.02	1	GenEd 1201	1		
	Engr 1181	2	GE Foundation	3		
	Math 1151	5	Engr 1182	2		
	Aviatn 2000	3	Math 1172	5		
	Aviatn 2100	5	Aviatn 2200	3		
		16		14		0
Year 2	Aviatn 3000	3	Aviatn 2300	3	Aviatn 2101 2	
	Physics 1250	5	GE Foundation	3		
	GE Foundation	3	GE Foundation	3		
	GE Foundation	3	Technical Elective	3		
			Technical Elective	3		
		14		15		2
Year 3	Aviatn 3200	3	Aviatn 3300	3	Aviatn 3101 3 Aviatn 4100 3	
	Aviatn 2102	2	Aviatn 2501	2		
	Technical Elective	3	Aviatn 3100	3		
	Technical Elective	3	GE Theme	4		
	GE Theme	4				
		15		12		6
Year 4	Aviatn 5100	2	GenEd 4001	1	Aviatn 4301 or 5101 2	
	Aviatn 4101	2	Aviatn 4102	2		
	Technical Elective	3	Aviatn 4300	2		
	Technical Elective	3	Aviatn 4520	3		
	Free Elective	3	Technical Elective	2		
			Free Elective	2		
		13		12		2

Admission to the Aviation major requires:

- Enrolled in College of Engineering on the Columbus campus
- Not currently on academic probation (CPHR greater than 2.0)

Flight Ed Enrollment (PPC):

- Enrollment in the first flight lab in the summer semester of the 2nd year is an estimate and not a guarantee
- More information on flight ed enrollment can be found at <https://aviation.osu.edu/students/future-students/academic-programs/professional-pilot-specialization>