



BS Aviation Curriculum Requirements

General College of Engineering Requirements		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	3
Aviatn 2100	Private Pilot Fundamentals	5
Aviatn 2200	Aviation Organization Analysis and Writing	3
Aviatn 2300	Aircraft Performance and Weather	3
Aviatn 3000	Aviation Management and Marketing	3
Aviatn 3200	Aviation Regulations and Policy	3
Aviatn 3300	Aviation Human Factors and Safety	3
Aviatn 4500	Aviation Capstone	3
Aviation Electives (choose at least 12 hours)		
Aviatn 2400	Fundamentals in Unmanned Aircraft Systems	3
Aviatn 2401	UAS Ground and Flight Operations	3
Aviatn 2900	Air Traffic Control Fundamentals	3
Aviatn 3193	Individual Studies in Aviation	2-5
Aviatn 3194	Group Studies in Aviation	2-5
Aviatn 3400	Aviation Accident Investigation	3
Aviatn 3600	Business and Corporate Aviation Management	3
Aviatn 3700	Building a Diverse Workforce in Aviation	3
Aviatn 4000	Air Transportation Analysis I	3
Aviatn 4200	Aircraft Dispatch Fundamentals	3
Aviatn 4201	Applied Dispatching	3
Aviatn 4400	Airport Management	3
Aviatn 4800	Professional Practices in Industry	2-5
Aviatn 5000	Air Transportation Analysis II	3
Aviatn 5193	Individual Studies in Aviation	2-5
Aviatn 5194	Group Studies in Aviation	2-5
Aviatn 5300	Airport Planning, Design, and Development	3
Technical Electives (choose at least 27 hours)		
AeroEng 2200	Introduction to Aerospace Engineering I	4
CSE 1222	Introduction to Computer Programming in C++ for Engineers and Scientists	3
CSE 1223	Introduction to Computer Programming in Java	3
CSE 1224	Introduction to Computer Programming in Python	3
ISE 2040	Engineering Economics	2
MechEng 2010	Statics	2
MechEng 2030	Dynamics	3
MechEng 2040	Statics and Introduction to Mechanics of Materials	4
NavalSc 3110	Naval Ship Systems	3
NavalSc 3210	Naval Mission Systems	3
Physics 1251	E&M, Waves, Optics, Modern Physics	5
Aviatn, CSE, Math or Stat courses at the 2000 level or above		
May choose one of the following:		
Chem 1210	General Chemistry I	5
Chem 1220	General Chemistry II	5
Chem 1250	General Chemistry for Engineers	4
General Education (choose at least 25 hours)		
For detailed GE curriculum requirements and course lists visit advising.engineering.osu.edu/current-students/curriculum/general-education		



BS Aviation 4-Year Sample Schedule

	Autumn		Spring	
Year 1	<i>Engr 1100.02</i>	1	GenEd 1201	3
	<i>Engr 1181</i>	2	<i>English 1110</i>	3
	<i>Math 1151</i>	5	<i>Engr 1182</i>	2
	<i>Aviatn 2000</i>	3	<i>Math 1172</i>	5
	<i>Aviatn 2100</i>	5	<i>Physics 1250</i>	5
		16		18
Year 2	Aviatn 2300	3	Aviatn 3000	3
	Aviatn 2200	3	Aviatn 3200	1-5
	GE Foundation	3	GE Foundation	3
	GE Foundation	3	GE Foundation	3
	Technical Elective	1-5	Technical Elective	1-5
		13-17		12-18
Year 3	Aviatn 3300	3	Aviatn 4500	3
	Aviation Elective	3	Aviation Elective	3
	Technical Elective	1-5	Technical Elective	1-5
	Technical Elective	1-5	Technical Elective	1-5
	GE Theme	4	GE Theme	4
		12-18		12-18
Year 4	Aviation Elective	3	GenEd 4001	1
	Technical Elective	1-5	Aviation Elective	3
	Technical Elective	1-5	Technical Elective	1-5
	Free Elective	1-5	Free Elective	1-5
	Free Elective	1-5	Free Elective	1-5
		12-18		12-18

Admission to the Aviation major requires:

- Completion of the courses shown above in italics or honors versions thereof
- Not currently on academic probation