

Meteorology + Aerospace Engineering

2017-2018 Catalog

*Note: One 3 credit Humanities/Soc Sci choice must be taken in summer, online, transfer in from high school, or with request to have more than 18 credits in a semester. Credits in red font meet ISU requirement for 15 credits (toward Meteorology BS) to not count toward the AERO E degree. **Yellow highlighting indicates courses specifically needed for the Meteorology BS.**

First Year

Cr.	Semester 1	Cr.	Semester 2
4	Chem 167 or 177	4	Math 166
R	Engr 101	5	Phys 221
3	Engl 150	3	AerE 161
1	Lib 160	3	Humanities/Soc Sci choice
4	Math 165	4	Mteor 301
3	Engineering Problem Solving		<i>19 total credits: WAIVER NEEDED</i>
3	Humanities/Soc Sci choice		
	<i>18 total credits</i>		

Year 2

Cr.	Semester 3	Cr.	Semester 4
4	Math 265	4	Math 267
5	Phys 222	3	EM 345 (Dynamics)
3	AerE 261	3	MatE 273
3	EM 274 (Stat for engineers)	3	EM 324
3	Engl 250	3	ME 231 (Thermodynamics)
	<i>18 total credits</i>		<i>16 total credits</i>

Year 3

Cr.	Semester 3	Cr.	Semester 4
3	AerE 321	3	AerE 421
2	AerE 322	3	AerE 361 (Numerical Methods) (also fulfills Meteo Elective)
3	Engl 314	3	AerE 362
3	AerE 310 (Aerodynamics)	3	AerE 344 (Aerodynamics lab)
3	AerE 351 (Astrodynamics)	3	AerE 311 (Gas dynamics)
3	AerE 355 (Aircraft Flight dynamics)	3	AerE 331
R	AerE 301		<i>18 total credits</i>
	<i>17 total credits</i>		

Year 4

Cr.	Semester 3	Cr.	Semester 4
3	Mteor 411 (Tech Elective)	3	Mteor 432 (Tech Elective)

3	Tech Elective	3	Mteor 417
3	AerE 461	3	Tech Elective
3	AerE 411	3	AerE 462
3	Mteor 341	3	Mteor 342
3	Mteor 454	3	Humanities/Soc Sci choice
	<i>18 total credits</i>		<i>18 total credits</i>

NOTES FOR METEOROLOGY: The typical meteorology major requirements are changed by having students **not** take 111, 112, 201, 206, 227, 311, and 499, substitute EM345 for 443, take AerE 361 (numerical methods) as one of the 3 elective courses, and count two of the required other AerE 300+ classes as the other 2 required meteo elective courses (there are 5 such classes related to dynamics).