

BS DEGREE IN METEOROLOGY

ISU 2009-2011

Path 1 for students prepared to start in calculus

Semester 1	FRESHMAN YEAR		Semester 2
General Chemistry- CHEM 163 or 177 ¹	4	Critical Thinking & Communication- ENGL 150	3
Lab in Gen Chemistry- CHEM 163L or 177L ¹	1	Calculus II- MATH 166	4
Humanities Choice	3	Library Instruction- LIB 160	0.5
Calculus I- MATH 165	4	Intro to Classical Physics I- PHYS 221	5
Synoptic Applications- MTEOR 111	1	Humanities Choice	3
Intro to Meteorology- MTEOR 206	3		
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Semester 3	SOPHOMORE YEAR		Semester 4
Elementary Multivariate Calculus- MATH 265	4	Elementary Differential Equations- MATH 266	3
Introductory Seminar – MTEOR 201	R	General Meteorology- MTEOR 301	4
Computational Meteorology- MTEOR 227	3	Intro to Statistics for Engineers- STAT 105	3
Intro to Classical Physics II- PHYS 222	5	Written, Oral, Visual & Elect Comp- ENGL 250	3
Fundamentals of Public Speaking- Sp Cm 212	3	Social Science Choice	3
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Path 2 for students needing preparatory mathematics

Semester 1	FRESHMAN YEAR		Semester 2
Critical Thinking & Communication- ENGL 150	3	Calculus I – MATH 165	4
General Chemistry- CHEM 163	4	Intro to Meteorology- MTEOR 206	3
Lab in General Chemistry- CHEM 163L	1	Fundamentals of Public Speaking- SP CM 212	3
Library Instruction- LIB 160	0.5	Social Science Choice	3
College Algebra- MATH 140	3	Humanities Choice	3
Trig & Analytical Geometry- MATH 142	3		0.5
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Semester 3	SOPHOMORE YEAR		Semester 4
Calculus II- MATH 166	4	Elementary Multivariate Calculus- MATH 265	4
Synoptic Applications- MTEOR 111	1	General Meteorology- MTEOR 301	4
Introductory Seminar- MTEOR 201	R	Intro to Classical Physics II- PHYS 222	5
Computational Meteorology- MTEOR 227	3	Intro to Statistics for Engineers- STAT 105	3
Intro to Classical Physics I- PHYS 221	5		
Written, Oral, Visual & Elect Comp- ENGL 250	3		
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Semester 5	JUNIOR YEAR		Semester 6
Intro to Synoptic Meteorology- MTEOR 311	2	Atmospheric Physics II- MTEOR 342	3
Atmospheric Physics I- MTEOR 341	3	Dynamic Meteorology I- MTEOR 443	3
Foreign Language/Elective	4/3	Foreign Language/Elective	4/3
Humanities Choice	3	Humanities Choice	3
Elective (Path 1)	3	Social Science Choice	3
MATH 266 (Path 2)	3		
	Path 1	15/14	16/15
	Path 2	15/14	

Semester 7	SENIOR YEAR		Semester 8
Synoptic Meteorology-MTEOR 411	3	Mesoscale Forecasting Lab- MTEOR 417	3
Dynamic Meteorology II- MTEOR 454	3	Instrumentation & Measurements- MTEOR 432	3
Senior Research – MTEOR 499	2	Meteorology Elective ²	3
Tech/Business Communication- ENGL 314 or 302	3	Meteorology Elective ²	3
Meteorology Elective ²	3	Social Science Choice	3
Humanities Choice/Elective	3		
		17	15

Students in all ISU majors must complete a three-credit course in U.S. diversity and a three-credit course in international perspectives. Check www.iastate.edu/~registrar/courses/div-list.html for a list of approved courses. Discuss with your adviser how the two courses that you select can be applied to your graduation plan.

LAS majors require a minimum of 120 credits, **including a minimum of 45 credits at the 300/400 level**. You must also complete the LAS foreign language requirement.

¹Students taking CHEM 177 should plan to take CHEM 178 as well.

²Student must select at least 9 credits from a list of optional courses.

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LAS majors require a minimum of 120 credits, including a minimum of 45 credits at the 300 or above level. You must also complete the Communication Proficiency and LAS World Language Requirements. Six semesters of one foreign language taken in high school satisfies the World Language requirement.

Students in all ISU majors must complete a 3 cr. course in U.S. Diversity and a 3 cr. course in International Perspectives. Discuss with your adviser how the two courses you select can be applied to address general education requirements. Check for a list of approved courses at:

<http://www.iastate.edu/~registrar/courses/div-ip-guide.html>