

# B.S. in Meteorology

Open Elective	5
<b>Credits Subtotal</b>	<b>29.0</b>
<b>Credits Total:</b>	<b>120.0</b>

## Suggested Plan of Study

Students should be aware that several courses in each academic year may have prerequisites and/or co-requisites. Please check the course descriptions at the back of this catalog before registering for classes to ensure requisite sequencing.

### Year One

		<b>Credits</b>
WX 201	Survey of Meteorology	3
UNIV 101	College Success	1
MA 143	Precalculus Essentials	3
COM 122	English Composition	3
CHM 110	General Chemistry I	3
CHM 110L	General Chemistry I Laboratory	1
COM 219	Speech	3
MA 241	Calculus and Analytical Geometry I	4
	HU 14X Lower-Level Elective	3
	WX Lower or Upper-Level Elective	3
CS 118	Fundamentals of Computer Programming	3
<b>Credits Subtotal</b>		<b>30.0</b>

### Year Two

MA 242	Calculus and Analytical Geometry II	4
PS 150	Physics for Engineers I	3
	SS Lower-Level Elective	3
PS 113L	Introductory Physics I Laboratory	1
WX 325	General Meteorology	3
MA 243	Calculus and Analytical Geometry III	4
PS 160	Physics for Engineers II	3
WX 367	Thermodynamic Meteorology **	3
WX 272	Meteorological Instruments and Data Analysis	3
GEO 215	Introduction to Geoscience	3
<b>Credits Subtotal</b>		<b>30.0</b>

### Year Three

WX 374	Dynamic Meteorology I *	3
WX 368	Physical Meteorology *	3
COM 221	Technical Report Writing	3
WX 327	Operational Analysis and Forecasting *	3
MA 345	Differential Equations and Matrix Methods	4
WX 375	Dynamic Meteorology II **	3
WX 378	Synoptic Analysis **	3
	WX Upper-Level Elective	3
	Open Elective	3
	HU/SS Lower or Upper-Level Elective	3
<b>Credits Subtotal</b>		<b>31.0</b>

### Year Four

WX 422	Meteorological Statistics and Data Analysis *	3
WX 462	Numerical Weather Prediction *	3
WX 466	Advanced Synoptic Analysis and Forecasting *	3
	Open Elective	3
	HU/SS Upper-Level Elective	3
WX 381	Climate Dynamics **	3
WX 482	Research Methods in Meteorology **	3
WX 478	Mesoscale Meteorology **	3

\* Offered in the Fall semester only.

\*\* Offered in the Spring semester only.