

Purdue University
 Department of Earth and Atmospheric Sciences
 Atmospheric Science Major

If you are planning to work for the **NATIONAL WEATHER SERVICE** or want the option to work for the federal government once you graduate, it is recommended that you select the courses below for your plan of study to meet both Federal Civil Service and 2005 AMS guidelines.

<u>Credits</u>	<u>Course</u>	<u>Recommended Semester</u>	<u>Pre-requisites</u>
3___	EAS 225	3	Calc. I co-req
3___	EAS 320	4	Calc I, PHYS 172 co- or pre-req.
3___	MA 265	4	MA 261
3___	EAS 421	5	EAS 225, MA 261, PHYS 272 co- or pre-r.
1___	EAS 431	5	EAS 225, co-req EAS 421
3___	MA 266	5	MA 261
3___	C S 158	5	MA 161
3___	EAS 422	6	EAS 421, MA 266
1___	EAS 432	6	EAS 431, co -req EAS 422
3___	EAS 532	6	EAS 421, MA 266
3___	EAS 423	7	EAS 422
3___	EAS 433	7	EAS 423
3___	EAS 535	7	EAS 225

Open Electives

3___	EAS 434	8	EAS 423, 433
3___	EAS STAT or STAT 301	5/6/7/8 A stat course is req.	

3 _____
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****See previous page for suggestions on useful electives for a career in the National Weather Service or private companies.**

**Note that a formal internship with, or volunteering for, a NWS office is highly recommended to increase chances of employment.

Suggested electives:

For NWS Employment (based on 2005 AMS report)

- a course in physical hydrology
- a course in physical oceanography
- a course in physical climatology
- a course in radiative transfer
- a course in aeronomy
- a course in advanced thermodynamics
- a course in advanced electricity and magnetism
- a course in light and optics

Based on recent employment requirements (2008):

- course in GIS