

## Department of Earth & Atmospheric Sciences Atmospheric Science Major

March 23, 2006

### 1<sup>st</sup> Semester

- (4) CHM 115 General Chemistry
  - (5) MA 161 Pl. An. Geom. & Calc I
  - (4) ENGL 106 Fr. Composition
  - (3) EAS 109 Dynamic Earth
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### 2<sup>nd</sup> Semester

- (2) EAS 117 (New Atmospheric Intro course)
  - (4) CHM 116 General Chemistry
  - (5) MA 162 Pl. An. Geom. & Calc II
  - (1) EAS 1xx Fr. Sem. Earth & Atmospheric Sciences
  - (3) xxx xxx Language & Culture
- 15

### 3<sup>rd</sup> Semester

- (4) PHYS 172 Modern Mechanics
  - (4) MA 261 Multivariate Calculus
  - (3) EAS 225 Science of the Atmosphere
  - (3) xxx xxx Modules (3 one-credit) Teamwork, Technical Writing, Technical Presentation
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### 4<sup>th</sup> Semester

- (3) EAS 320 Physics of Climate
  - (3) PHYS 241 Electricity & Optics
  - (1) PHYS 252 Elec. & Optics Lab
  - (3) MA 265 Linear Algebra
  - (3) xxx xxx Language & Culture
  - (3) xxx xxx Elective
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### 5<sup>th</sup> Semester

- (3) EAS 421 Atmospheric Thermodynamics
  - (1) EAS 431 Synoptic Lab I
  - (3) MA 266 Differential Equations
  - (3) xxx xxx Programming Elective
  - (3) xxx xxx Liberal Arts Elective
  - (3) xxx xxx Language & Culture
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### 6<sup>th</sup> Semester

- (3) EAS 422 Atmospheric Dynamics I
  - (1) EAS 432 Synoptic Lab II
  - (3) EAS 532 Atmospheric Physics I
  - (3) xxx xxx Statistics Elective
  - (3) xxx xxx Liberal Arts Elective
  - (3) xxx xxx Multidisciplinary Science Elective
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### 7<sup>th</sup> Semester

- (3) EAS 535 Atmospheric Observ. & Measure.
  - (3) EAS 423 Atmospheric Dynamics
  - (1) EAS 433 Synoptic Lab III
  - (3) xxx xxx Great Issues
  - (3) xxx xxx Elective
  - (3) xxx xxx Elective
- 16

### 8<sup>th</sup> Semester

- (3) xxx xxx Liberal Arts Elective
  - (3) xxx xxx Elective
  - (3) xxx xxx Elective
  - (3) xxx xxx Elective
  - (3) xxx xxx Elective
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Total Credits: 124

### Core Electives

Programming Electives: CS 159A, CS 177. CS 159A recommended for most career options.

Statistics Electives: STAT 301, 503, 511; EAS xxx ( to be developed).

### Requirements for Entry into the Upper Division in Earth and Atmospheric Sciences for Students Beginning Fall 2003:

A student pursuing a major in Earth and Atmospheric Science must satisfy the following before being permitted to enter the upper division:

- (1) Completion of MA 161, MA 162, CHM 115, CHM 116 and PHYS 172 or equivalents each with a grade of C or better; and
- (2) Completion of required lower division courses in the student's major area each with a grade of C or better.

For the application of these requirements, entry into the upper division is defined as registration for the semester which includes EAS 3xx (for all geosciences programs) or EAS 421 (for atmospheric science) in the course selection.

### Graduation Requirement.

To graduate in any EAS major, a student must have an average grade point index of 2.00 or above in EAS courses required for the major. This requirement applies to students who enroll in their EAS major after the Fall 2001 semester.

The University requires that at least 32 credits hours must be at the 300 level or above.